UG & PG Regulations

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

State University of Government of Karnataka Established as per the VTU Act, 1994"JnanaSangama" Belagavi-590018, Karnataka, India

Prof. B. E. Rangaswamy, Ph.D
REGISTRAR
Phone: (0831) 2498100
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REF: VTU/BGM/Aca/BoS/2023/ 611 DATE: 2 MAY 2023

NOTIFICATION

Subject: Regulations Governing the award of B.E./B.Tech., (2022 scheme) regarding...

Reference: JBOS 10.02.2023 and 171st EC meeting Proceeding no. 2.2.1 dated: 23.02.2023

Pursuant to the aforesaid Executive Council Proceedings the Regulations Governing the award of a degree in Bachelor of Engineering /Technology under Outcome-based education and choice-based credit system (2022) are hereby notified.

These regulations are applicable to students

- who are admitted to the 1st semester (1st year) of the B.E./B.Tech., programs from the academic year 2022-23 and onward.
- who are admitted to 3rd semester(2nd year) through lateral entry in the academic year 2023-24 and onward

The previous regulations in this regard are treated as null and void.

All the Principals of the Engineering Colleges are hereby informed to bring the content of this Notification to the notice of the all concerned

Sd/-
Registrar

To,

1. All the Principals of Engineering Colleges under the ambit of the VTU Belagavi
2. The Chairperson and Program Coordinator, PG Centres' VTU Belagavi where B.E./B.Tech., programs are being offered.

Copy to

1. To the Hon'ble Vice-Chancellor through the secretary to VC for information
2. The Registrar (Evaluation) for information and needful
3. The Director (I/c) ITI SMU VTU Belagavi for information and make arrangements to upload it on the VTU web portal.
4. The Special Officer QPDS Examination section VTU Belagavi
5. The Coordinator IQAC VTU Belagavi
6. Office Copy

02/05/23

REGISTRAR

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY ★ BELAGAVI 590 018

REGULATIONS

PREAMBLE:

The quality of Technical Education depends on many factors but largely on- outcome based socially and industrially relevant curriculum, good quality motivated faculty, teaching learning process, effective industry internship and evaluation of students based on desired outcomes. To regulate, in an orderly manner, the process of admission, registration of students, conduct of classes, teaching –learning, Assessment, Evaluation and Grading processes to award Bachelor of Engineering/ Technology degree in Visvesvaraya Technological University, Belagavi and the Colleges affiliated to it, with due consideration to the NEP-2020 policy, and applicable Regulations of UGC and AICTE, in exercise of the powers conferred under Section 22 of UGC Act 1956 and under Sections [7(2) and 8(1,2, & 4] of the VTU Act 1994, the University hereby makes the following Regulations, namely:-

1. **SHORT TITLE, APPLICATION AND COMMENCEMENT:**

1.1. These Regulations may be called the Visvesvaraya Technological University [Award of Bachelor of Engineering/ Technology Degree] Regulations, 2022.

1.2. These Regulations shall apply to all the B.E./ B.Tech. Programmes conducted at the Visvesvaraya Technological University, its constituent Colleges and all other Colleges affiliated to it.

1.3. They shall come into force with effect from the date of their notification by the Visvesvaraya Technological University, Belagavi.

1.4. These Regulations shall be applicable to the batch of students admitted from the academic year 2022-23 and later and will be in force until revised or withdrawn by a notification.

2. **DEFINITION OF KEY WORDS:**

In these Regulations, unless the context otherwise requires:

2.1. **Academic Bank of Credits (ABC):** The Academic Bank of Credits (ABC), is a National-level facility that will promote the flexibility of the curriculum framework and interdisciplinary/multidisciplinary academic mobility of students across the Higher Educational Institutions in the country with an appropriate "credit transfer" mechanism.

2.2. **Academic Year:** Two consecutive semesters (odd followed by an even), including intervening periods constitute one Academic Year.

2.3. **Act**: The Visvesvaraya Technological University Act 1994 including the amendments thereon.

2.4. **Choice-Based Credit System (CBCS):** The CBCS provides students with choices from the prescribed set of courses viz. Engineering Sciences, Professional core and electives, Professional and Open Electives, Non-Credit Mandatory Courses, Internships and Skill Courses. Under the CBCS, the requirement for awarding a degree or certificate is prescribed in terms of number of credits to be earned by the students.

2.5. **College:** An affiliated College or a constituent College of the University or the University Departments offering different programmes.

2.6. **Constituent College**: An Institution operating under the administrative, academic, and financial control of the University and declared as such under the Notification. It is an institution maintained by the University as such and includes an institution admitted to the privileges of the University as an affiliated College of the University in accordance with provisions of the Act.

2.7. **Course:** Usually referred to as 'subject'/ 'paper' and is a component of a Programme with defined learning objectives, course out comes and number of credits. The course credits vary depending on the required teaching-learning hours to accomplish the learning outcomes, specified in the course syllabus. A Course may be designed to comprise lectures/ tutorials/laboratory work/ fieldwork/outreach activities/ project work/ vocational training/ viva-voce/ seminars/ term papers/ assignments/ presentations/ self-study components etc., or a combination of some of these.

2.8. **Course Code:** An alpha numeric code used to uniquely identify a course in the programmes offered in the University. Three-digit number used as suffix with the Course Code for identifying the level of the course in the University. Digit at hundred's place signifies the semester in which course is offered and the tens place signifies type of course with unit place representing the sequence number in a semester in the Scheme of Teaching and Evaluation.

2.9. **Credit:** A unit or weightage by which the Coursework is measured. It represents the number of hours of instructions prescribed per week. One credit is equivalent to one hour of lecture or two hours of laboratory/practical Courses/ tutorials/ fieldwork etc., per week.

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2.10. **Credit Point:** This is the product of grade point and the number of credits for a Course.

2.11. **Credit Representation:** Refers to the Credit Values for different academic activities considered, as per Table 1. Credits for the project phases, project viva-voce and internship shall be as specified in the Scheme of Teaching and Examinations.

Table 1: Credit Values

Theory/Lectures (L) (hours/ week/ Sem)	Tutorials (T) (hours/week/Sem)	Laboratory/ Practical (P) (hours/ week/ Sem)	Credits (L:T:P)	Total Credits
4	0	0	4:0:0	4
3	0	2	3:0:1	4
2	2	2	2:1:1	4
3	0	0	3:0:0	3
2	2	0	2:1:0	3
2	0	2	2:0:1	3
0	0	6	0:0:3	3
2	0	0	2:0:0	2
1	0	0	1:0:0	1
0	0	2	0:0:1	1

2.12. **Choice-Based Credit System (CBCS):** The education model refers to customizing the Coursework, Core, Professional Elective, Open Electives, Skill-based ability Enhancement Courses, Non-Credit Mandatory Courses, and Internships to provide the necessary support for the students to achieve their goals.

2.13. **Continuous Internal Evaluation (CIE)(also known as Formative Assessment):** Refers to the evaluation of student's performance in the course during the teaching-learning process. CIE shall be done by the faculty teaching course and evaluation components may include tests, assignments, group discussion, quizzes, course-specific projects, field surveys, seminars, etc., conducted during the semester tenure with a weightage for different activities as specified by the University.

2.14. **Course Evaluation:** This represents the measurement of the impact of the

teaching-learning process and offers an opportunity for improving the quality of learning in courses and teaching performance. Courses evaluation is done by adopting different methods such as tests, quizzes, assignments, etc., during the teaching-learning period at the end of some modules or chapters of syllabus contents and at the end of the semester. While the former part of the evaluation is called the Continuous Internal Evaluation (CIE) and the latter part of the evaluation is called Semester End Evaluation (SEE).

2.15. **Course Registration:** It is a formal registration to Courses of study every semester by every student under the supervision of a Mentor(also called Faculty Advisor, Counselors) in the college to maintain proper records. Registration on the University portal is mandatory.

2.16. **Cumulative Grade Point Average (CGPA):** This is a measure of the cumulative performance of a student of all semesters and is computed from the 2nd semester onwards. It is a measure of the overall cumulative academic performance of a student over the entire span of the academic program. CGPA is not an arithmetic mean a but weighted mean. It is also a number that lies between 0 and 10.

2.17. **Dean:** Dean of the Faculty of Engineering.

2.18. **First Attempt:** A student who has studied in a semester and attended any one of the University examinations of that semester after satisfying attendance and CIE requirements of all the prescribed courses of that semester and has registered for SEE. Such an attempt shall be considered the first attempt. Even if the student is absent for all the semester exams after registering for SEE, such an attempt shall also be considered the first attempt.

2.19. **Grade Card:** Refers to the certificate showing the grades earned by a student. A grade card shall be issued to all the registered students after every semester-end examination. The grade card shall have the Program details (Course code, title, number of credits, grades secured, along with the SGPA of that semester and CGPA (except for the first semester) earned till that semester.

2.20. **Grade Point (GP):** Refers to a numerical weightage allotted to each letter grade on a 10-pointscale against a range of percentage of marks secured by students in a course.

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2.21. **Institution:** An institution of higher education engaged in teaching and research at the undergraduate, post-graduate or higher levels.

2.22. **Letter Grade:** Course Letter Grade (or simply letter grade or grade) is an index of performance of a student in a said course and refers to a qualitative measure of achievement of a student in each course, based on the percentage range of marks secured in CIE and SEE put together or CIE alone. Grades are denoted by letters O, A+, A, B+, B, C, P and F. The rubrics attached to letter grades are as follows: **O**: Outstanding, **A+**: Excellent, **A**: Very Good, **B+**: Good, **B**: Above Average, **C**: Average, **P**: Pass and **F**: Fail. Additional letter grades used under special circumstances are, **DX:** Attendance below 75%, **AU**: Satisfactory in an Audit course, **AB:** Absent for the Course, **PP:** Passed in Non-credit course, **NP**: Not Passed in Non-credit course, **W**: Dropped/ withdrawn.

2.23. **Non-Credit Mandatory Courses (NMC):** In the case of non-credit mandatory courses, students shall attend the classes during the respective semesters to satisfy the attendance requirements as well as CIE requirements. In case, any student fails to register for the said course/fails to secure the minimum 40% of the prescribed CIE marks, he/she shall be deemed to have not completed the course. In such a case, the student has to fulfill the requirements during subsequent semester/s to appear for CIE. These Courses shall not be considered for CGPA calculation and vertical progression, but completion of the courses shall be mandatory for the award of a degree.

2.24. **Major Degree:** A Major degree will be awarded along with "Honours" distinction if a student completes the specified additional number of credits during the regular programme as per the Regulations governing Honours Degree Programme. A student admitted to the Programme shall be eligible to register to "Honours" programme if he/she fulfils the conditions as per the Regulations.

2.25. **Mentor:** A Faculty Advisor allotted by the principal to guide about 15-20 students about their registration to the courses and progression in the Programme .

2.26. **Notification:** A notification issued by the concerned Statutory Officer of the University.

2.27. **Minor Degree:** A Degree along with Minors is awarded in a programme if a student completes the required number of credits of another programme as per the

Regulations governing Minor Degree Programme. A student shall be eligible to register to a Minor programme if he/she fulfills the conditions as per the Regulations

2.28. **Multiple Entry and Multiple Exit (MEME):** The multiple entries and exit points in the academic programmes would remove rigid boundaries and create new possibilities for students. To facilitate flexible learning within the stipulated period (eight years for regular students and 06 years for lateral entry students), multiple-entry and multiple-exit options are offered to needy students.

2.29. **Passing Standards:** Refers to passing a course only when GP is greater than or equal to 04.

2.30. **Principal:** The Head of the College or a Higher Educational Institution (HEI). In the case of programmes offered at University campuses, it shall be the Head/ Chairperson of the Department offering the programme.

2.31. **Programme:** A planned series of events/activities comprising of a combination of courses leading to the award of degree.

2.32. **Semester:** One of the two sessions of an Academic Year, each session being of sixteen weeks duration (with not less than 90 working days). The odd and even semesters shall be as per the University academic calendar.

2.33. **Semester End Examinations (SEE) (also called Summative Assessment):** Also called summative assessment, which refers to the examinations conducted by the University covering the entire course syllabus. For this purpose, syllabi shall be modularized, and SEE questions shall be set from each module as specified by the University.

2.34. **Semester Grade Point Average (SGPA):**It is a measure of academic performance of a student in a semester. It is the weighted average or weighted mean of the grade points obtained by a student in the various courses of any semester. It results in a number that lies between 0 and 10. It shall be expressed up to two decimal places.

2.35. **Teacher:** A member of the regular faculty at the levels of Professor, or Associate Professor or Assistant Professor, and includes adjunct faculty and faculty on a long-term contract of not less than three years.

2.36. **Transcript, Grade Certificate and Grade Card:** Grade card shall be issued to candidates indicating the programme details (Course code, title, number of credits, grade secured and grade points) for all the registered courses after every semester. On successful completion of all courses/earning credits, specified in a semester, the grade certificate is issued indicating the programme details along with SGPA of that semester and CGPA earned till that semester. Transcripts to the successful candidates shall be issued after completion of the programme.

2.37. **University:** Visvesvaraya Technological University (VTU), Belagavi, established under the Karnataka State Act as defined in the University Grants Commission Act, 1956.

REGULATIONS

22OB 1.0. TITLE AND DURATION OF THE PROGRAMME

22OB 1.1: The Programme of study, which is an undergraduate Programme, shall be called the degree of Bachelor of Engineering/Bachelor of Technology, abbreviated as B.E./B.Tech., followed by specialization indicated within brackets.

22OB 1.2: The duration of the Programme for B.E./ B.Tech. degree shall be four academic years, organized in eight semesters, with each semester having duration of 16-18 weeks,having provision for Multiple-Entry-Multiple-Exit and award of Honours degree or Minor degrees.

22OB 1.3: The annual academic calendar of events in respect of the Programme of study approved by the Academic Council, shall be notified at least a month before the commencement of each academic year. It is mandatory for students/ faculty members to strictly adhere to the Academic Calendar for completion of academic activities. Academic Calendar shall be displayed on the Academic Office homepage of the University website.

22OB 2.0. ACADEMIC ELIGIBILITY FOR ADMISSION

The rules specified in the following clauses shall be followed for admission to B.E./ B.Tech. Programmes, but the orders issued from the Government/the regulatory bodies from time to time shall prevail.

22OB 2.1. Admission to 1st year: Eligibility for candidates Passed in second PUC or equivalent,

1) As notified by the Government of Karnataka from time to time.
2) Those students, who have passed a qualifying examination other than the PUC II examination of the Pre-University Education Board of Karnataka, have to obtain an eligibility certificate for seeking admission to I year B.E./B.Tech. Degree Programme from the University.

22OB 2.2. Admission to 2nd year (Lateral Entry): Eligibility for candidates who have passed a 3-year Diploma in Engineering and B.Sc. Degree shall be,

1) As notified by the Government of Karnataka and the University from time to time for admission in to 3rd semester of B.E./B.Tech. degree programme.
2) Those candidates who have completed an Engineering Diploma from States other than Karnataka shall submit the Equivalence/ Eligibility Certificate issued by the Director of Technical Education, Karnataka.

22OB 2.3. Qualification earned from foreign Countries:

With regard to the qualification earned from foreign countries, an equivalence certificate from the Association of Indian Universities/ University is mandatory for admission to B.E./B.Tech. Programmes. In case of any dispute about the equivalence in qualification earned from foreign countries, the decision of the University in this regard shall be final and binding on all concerned.

22OB 2.3.4 Additional Requirements:

1) All the Diploma and B.Sc. degree holders seeking admission to lateral entry, shall also pass any deficit courses as specified by the University before the completion of the degree.
2) Further, all the Diploma and B.Sc. degree holder applicants shall also be required to register and pass the non-credit mandatory Mathematics bridge course(s) specified by the University, within two year of joining the programme. However, applicants with B.Sc. degree (with Mathematics major) may apply to the Registrar through Principal/ Dean seeking exemption from the bridge course.

22OB 3.0. CURRICULUM FRAMEWORK AND ACADEMIC PROCESSES

22OB 3.1. Semesters – Odd and Even:

The University follows the Choice based credit system and the semester scheme.

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There are two regular semesters in an academic year. The semester that begins in August (August to December) is known as the Odd Semester and the semester that begins in January (January to May) is known as the Even Semester.

22OB 3.2. Curriculum:

Every Programme has a prescribed course structure which, in general terms, is known as the Curriculum or the Courses of Study or the Scheme of Teaching and Evaluation. It prescribes all the courses/ laboratory/ other requirements for the degree and sets out the nominal sequence semester wise.

It provides the syllabus and a list of text/ reference books (or other learning material sources) for each course. The Courses of Study details are updated every semester and are made available at the University website: http://vtu.ac.in/BEBTECH/. Curriculum shall also include some Online Courses including SWAYAM and other MOOC courses, approved by the University. However, selection of such courses, if any, shall always be within prescribed guidelines of the relevant regulatory bodies and the University.

22OB 3.2.1. Choice Based Credit System (CBCS):

1) A certain quantum of academic work, measured in terms of credits, is laid down as the requirement for completion of B.E/B.Tech. degree in the different available specialization areas. A student earns credits by satisfactorily completing courses/other academic activities every semester.
2) The credits are distributed semester wise, as prescribed in the Scheme of Teaching and Evaluation for each of the programmes. The courses generally progress in sequences, building competencies as per the course learning outcomes. The positioning of a course indicates certain academic maturity on the part of the students.
3) Some courses do, in addition, may specify a grade/pass/exposure for other courses, offered earlier in the programme, as pre-requisites for the course.
4) Since the University follows the CBCS, the students shall be offered courses as per the Scheme of Teaching and Evaluation, and the students are required to register for the courses of their choice before the beginning of every semester.
5) Students are required to follow the semester wise schedule of courses specified

in Scheme of Teaching and Evaluation; they do, however, have freedom to follow alternative schedules to optimize their academic profile with additional courses, keeping the requirements for each course in mind. For students with backlog courses, such rescheduling may even become necessary. Such departures from suggested schedules need to be done very carefully, and always with guidance from the Mentor.

22OB 3.2.2. Types of Courses:

There will be following types of courses in a B.E./B. Tech. programme, namely:

1) Humanities and Social Sciences (HS), including Management, Skill enhancement and Economics.
2) Basic Sciences (BS) including Mathematics, Physics, Biology and Chemistry.
3) Engineering Sciences (ES) including Workshop, Drawing, Basics of Electrical/ Civil/ Mechanical/ Computer Engineering, Materials, and Instrumentation.
4) Professional Core Courses (PC): These are the courses to be compulsorily studied by a student as a core requirement to complete the requirements of a programme in a said discipline of study.
5) Professional Elective Courses (PE): These are the courses from which a student can choose and study as part of the requirement to complete the programme in a said discipline of study.
6) Open Elective Courses (OE): These courses are supportive to the discipline/ providing extended scope/enabling an exposure to some other discipline/ domain and they are chosen from the pool of courses.
7) Skill development Courses (SD): These courses will be nurturing student proficiency skills. These courses are offered to achieve the programme outcomes not specifically covered by the other courses.
8) Ability Enhancement Courses (AE):These are the generic skill courses which are basic and needed to all to ensure progression across all careers.
9) Non-Credit Mandatory Courses (NM): These are courses on peripheral subjects in a programme, wherein familiarity is considered mandatory.
10) Project work (PW), Mini Project work (MP), and Internship (IS) are also considered as courses in the programme.

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22OB 3.2.3. Offering Courses

The above types of courses in a B.E./B. Tech. programme are offered as follows:

1) Humanities and Social Sciences (HS) courses will have 1 to 3 credits per course.
2) Basic Sciences (BS) courses will have 2 to 4 credits per course.
3) Engineering Sciences (ES) courses are common across all disciplines and will have 2 to 4 credits per course.
4) Professional Core Courses (PC) will have 2 to 4 credits per course.
5) Professional Elective Courses (PE) will have 2 to 4 credits per course.
6) Open Elective Courses (OE) may have 2 to 4 credits per course.
7) Skill development Courses (SD) and may have 1 to 3 credits per course.
8) Ability Enhancement Courses (AE)may have 1 to 2 credits per course
9) Non-Credit Mandatory Courses (NM) require only a pass in each of the specified courses to qualify for the award of the Degree.
10) Project work (PW), Mini Project work (MP) and Internship (IS) are offered which may have 10, 3, and 6 credits respectively.

The courses in the above types may be a combination of Lectures, Tutorials and Practical in any combination with suitable credits assigned to them. All the courses registered by a student under any of the above types of courses as required for award of the degree shall be considered as heads of passing which shall be Graded according to his/her performance. However, the Non-Credit Mandatory Courses shall be passed by a student for which Grades are not assigned.

The following procedure shall be used for designing and offering the above courses:

The courses for a programme under the following types from (a) to (l) shall be designed within the framework of UGC and AICTE guidelines by the concerned Board of Studies and approved by the Academic Senate of the University. The number of courses offered in a programme under each of the above types shall be decided as per the curriculum framework specified under clause 22OB 3.4.

The list of different types of theory courses and details of the practical courses used in the programmes are given below respectively from (a) to (i) and (j) to (l).

(a) Humanities and Social Sciences
(b) Basic Sciences
(c) Engineering Sciences
(d) Professional Core Courses
(e) Professional Elective Courses
(f) Open Elective Courses
(g) Skill development Courses
(h) Ability Enhancement Courses
(i) Non-Credit Mandatory Courses

(j) **Project work:**

Based on the ability/abilities of the student/s and recommendations of the mentor, a disciplinary or an inter-disciplinary major project can be assigned to a group having not more than 4 students. The main project work needs to be taken up within the institute/ research laboratory/industry. It is desirable, that the outcome of the project work may be published/patented.

(k) **Mini Project work:**

A Mini Project is a laboratory/ societal/ Industry-oriented work that will provide a platform for students to enhance their practical knowledge and skills through the development of small systems/ applications based on the ability/abilities of the student/s and recommendations of the mentor, a disciplinary or aninter-disciplinary mini-project can be assigned to a group having not more than 4 students.

(l) **Internship:**

The internship is an extended period of work experience undertaken by the students aspiring to supplement their degree with professional development. The students are allowed to prepare themselves for the workplace and develop practical skills.The Internship shall be completed during the period specified in the Scheme of Teaching and Evaluation.

The institution shall encourage students to take up,

(i) an interdisciplinary Research Internship or Industry internship and
(ii) a rural internship, a work-based activity carried out to learn practical experiences in rural areas, for the upliftment of living standards.

With the consent of the internal guide and Principal of the Institution,

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students shall be allowed to carry out the internship in their home town (within or outside the state or abroad), provided favorable facilities are available for the internship and the student remains regularly in contact with the internal guide.

University shall not bear any cost involved in carrying out the internship by students. However, students can receive any financial assistance extended by the College.

22OB 3.2.4. Audit Courses:

A student desirous of additional exposure to a course, without the rigors of obtaining a good grade, 'audits' a course. The minimum requirement of attendance for an 'Audit Course' is 75%, with any additional requirements as set by the instructor such as submission of assignments and minimum performance in some of the in-semester evaluations. Auditing of courses during regular semesters from 3rd semester onwards is permitted under the following conditions:

1) Students with CGPA>6.0 will be permitted to 'Audit' a course. A course can be audited provided the course is offered in the semester as a credit course for others, and there is no slot clash. Prior permission of the Instructor is required.
2) Audit courses would be restricted to a maximum of two (2) courses per student in the entire period of the programme.
3) The Course Teacher would award the 'AU' grade, if the attendance is satisfactory and additional requirements, as set out by the Course Teacher, are met. If the attendance and performance in additional requirements is not satisfactory, the Course Teacher will award 'No Grade'. The grade 'AU' does not carry any grade points and therefore does not figure in SGPA/ CGPA calculations.
4) The course successfully completed in Audit mode will be reflected in the Semester Grade card and the Transcript as Audit Course.

22OB 3.3. Prescribed Number of Credits for the Programme

All courses prescribed by the University, except the Non-credit Mandatory courses,

shall have credits and be considered as a head of passing for vertical progression. The credits fixed for the courses are awarded to the students on passing the courses registered by him.

1) The total number of credits to be earned for the award of B.E./ B.Tech. degree by students admitted to the first semester of the four year B.E./B.Tech. programme shall be **160**.
2) The total number of credits to be earned for the award of B.E./ B.Tech. degree by students admitted under lateral entry scheme to the third semester of the four year B.E./B.Tech. programme shall be **120**.
3) A student shall be awarded B.E./ B.Tech. degree with **Honours or Minor**, if he/she earns a minimum of **additional 18 credits**, satisfying the conditions specified in "VTU (Award of B.E./B.Tech. Honors/ Minors Degree) Regulations, 2022".

22OB 3.4. Curriculum Framework

The structure of UG programme in Engineering shall have essentially the following types of courses with the breakup of credits as shown against them:

Table – 3.4 : Credit Breakup for a Programme

Sl. No.	Category	Credits *	% of total Credits
1	Humanities and Social Sciences including Management courses, including AE	16	10.00
2	Basic Science courses	22	13.75
3	Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer/ PL/ET etc.	24	15.00
4	Professional Core courses relevant to chosen specialization/branch	59	36.88
5	Professional Elective courses relevant to chosen specialization/branch	12	7.50
6	Open subjects – Electives from other technical and /or emerging subjects	12	7.50
7	Project workand internship in industry or elsewhere	15	9.37
8	Mandatory Courses	(non-credit)	0.00

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	[Environmental Sciences, Induction Program, Indian Constitution, Essence of Indian Knowledge Tradition]		
	Total	**160**	**100.00**

*Minor variation is allowed as per need of the respective disciplines on approval of the University.

22OB 3.5. Scheme of Teaching and Evaluation

1) The Scheme of Teaching and Evaluation shall be framed by distributing the total credits over eight semesters as follows:

Table – 3.5 : Semester-wise Allocation of Credits

	Semester	Credits	Total Credits
I year	1	20	40
	2	20	
II Year	3	20	40
	4	20	
III Year	5	20	40
	6	20	
IV Year	7	20	40
	8	20	
Total:		**160**	

- Lecture(L): one hour/week : 1 credit
- Tutorial(T): Two hours/week: 1 credit
- Practical/ Lab/ Drawing (P): Two hours/ week: 1 credit
- Project, Mini-project, Internship: credits as recommended by the University.
- Credit for the Seminars shall be part of the courses.

2) **Course Load:**

Every student to register for a set of *Courses* in each *Semester,* with the total number of their *Credits* being limited by considering the permissible *weekly Contact Hours (typically: 35 hours/Week);* For this, an average *Course Load* of 18-24 *Credits/Semester* (e.g., 6-7 *Courses*) generally acceptable; to also include 2 or 3 *Units of Non-Credit Mandatory Courses* in some Semesters.

3) **Teaching-Learning Process**

The theory courses shall be designed to have the syllabus spanning over one semester depending on the credits allocated for them. That is, Four-credit theory courses shall

be designed for 55-60 hours of Teaching-Learning process, Three-credit theory courses shall be designed for 40-45 hours of Teaching-Learning process, Two-credit theory courses shall be designed for 25-30 hours of Teaching-Learning process and One credit theory course shall be designed for 15 hours of Teaching-Learning process.

4) The Scheme of Teaching and Evaluation provides the list of courses offered in a semester, their types, course credits in L-T-P format and the contact hours. As per this, detailed syllabus content, hour distribution, Text and reference Books, Assessment and Evaluation procedure shall also be provided for all the semesters by the Board of Studies of the respective programmes. A course may include online references and virtual labs as approved by the University.
5) The composition of courses in the curriculum may be only a theory, a thory with practical or only a practical. These carry separate course codes and each are considered as separate "head of passing".
6) The Syllabus formulated shall be well structured and enable CBCS implementation, provide MEME options and incorporate Outcome Based Education (OBE) framework.
7) The University/Colleges shall provide necessary class rooms, Laborary equipments, Internet and computing laboratories, Library, qualified faculty and other supporting facilities to meet the standards as specified by the University and concerned Statutory bodies to create proper teachng-learning environment for the students.

22OB 3.6. Course Registration

1) It is mandatory for every student to register for the semester to attend various courses/ earn credits, using the prescribed Course Registration Form (CRF), till he completes his programme. The registration is normally done on the last two working days of each semester upon completion of the SEE. In all circumstances, registration shall be completed on or before the prescribed last date for registration announced in the Academic Calendar. The registration of courses in each semester with the University portal is mandatory.
2) **Student Mentoring**

On joining the University or a College, a group of students are assigned a Mentor from the concerned department offering the Programme. Students are advised to consult

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the Mentor on any matter relating to their academic performance and the courses they may register in various semesters. Mentor guides the students to complete their courses of study for the required degree in a smooth and satisfactory manner.

3) **Minimum Number of Registrations for Offering a Course:**

There is no restriction on minimum registrations in a professional core course. However, the minimum number of students registered to any Professional Elective Course/Open Elective Course/ Ability Enhancement Course (from 3rd semester onward) offered by the Departments shall not be less than ten. In such cases, if the number of registrants for the elective course is less than 10, the college must seek permission from the Registrar (Evaluation) within 15 days from the date of commencement of the semester as per the academic calendar of the University, if that Professional Elective Course/Open Elective Course/ Ability Enhancement Course is to be offered in that college.

22OB 3.6.1. Course Registration Procedure:

1) The procedure involves the following steps:
   a) A student shall register for required courses each semester with prior permission of the Mentor.
   b) The student can register for courses he intends to take during a given semester on the basis of his plan for each Programme, as given in the Scheme of Teaching and Evaluation and as per the advice of the Mentor.
   c) The students shall decide on the courses to be registered during the ensuing semester immediately after their SEE examinations.
   d) The Mentor is expected to discuss with the student his academic performance during the previous semesters and then decide the number and nature of the courses for which the student can register during the semester within the framework of the Regulations.
   e) The Mentor may advise the student to drop one or more courses/activities based on his academic performance. The Mentor may even advise a reduced load program over several semesters for students with poor performance at the end of the first semester/year.
   f) Every student is permitted to register for the courses to an extent subjected to

the conditions under clause 22OB 3.6.2.

g) Students are not permitted to re-register for a course, which they have already passed.

h) The student shall fill up the CRF online, stating the courses that they propose to complete during the ensuing semester as per the prescribed curriculum.

i) They shall take a printout of the completed CRF, take signature of the Mentor and submit to the Dean/ Principal within the date notified by the University for registration.

j) Students having outstanding dues to the University/ College, or a hostel may not be permitted to register.

k) The registration is deemed to be complete only on approval by the University.

l) Without registration, any academic activity (course/seminar etc.) undergone by a student will not be counted towards the requirements of his/her degree.

m) A student shall exercise the option in respect of a higher semester Professional Elective Course/Open Elective Course/Ability Enhancement Course and register for the same at the end of the previous semester. However, the student may be permitted to opt for a change of Elective Course/s preferably within 15 days from the date of commencement of the semester as per the academic calendar of the University

22OB 3.6.2. Permitted Maximum Credits for Registration:

The student shall be permitted to register in a semester for that number of courses with total credits not exceeding 28. These 28 credits, include Minor/ Honours degree courses, the courses of the regular semester and backlog courses. The registration of these additional credits also includes the courses with a shortage of attendance and the courses with unfulfilled CIE requirements. A student shall pay the prescribed registration fees as notified by the University from time to time.

22OB 3.6.3. Late Registration:

Registration beyond the last date may be permitted only in special cases till the date specified in the Academic Calendar, on payment of a late registration fee.

22OB 3.6.4. Registration for Non-credit Mandatory courses:

1) Formal registration for these courses shall also be done along with other courses, at the beginning of the semesters.
2) Non-credit requirements are assessed as Pass (PP)/ Not Pass (NP) subject to the fulfillment of the minimum requirements of the specified activities and a minimum of 75% attendance. The award of degree is subject to successful completion of these requirements.
3) A student will be awarded PP (Pass) grade for the course he is registered for, in that semester, provided the minimum requirement is met during that semester together with attendance criteria.
4) Not satisfying these requirements will result in a failure grade NP (Not Pass), and the student has to re-register for the course when offered next in the subsequent semesters and pass within two years. The grades shall be submitted to the University before the commencement of the SEE.

22OB 3.6.5. Course substitution:

A student obtaining 'F' grade four times in a course, other than the Professional core courses, is permitted to choose an equivalent course for substitution on approval by the University. The student shall re-register for the new course and complete the course requirements subjected to the conditions of clause 22OB 5.2. A student shall not be permitted to avail this option beyond a maximum of two courses during the programme.

22OB 3.7. Attendance Requirement

1) Every prescribed course shall be considered as a unit for the calculation of attendance. The students are required to attend all the lectures, tutorials, practical, and other prescribed curricular and co-curricular activities, and earn full attendance. However, a student shall obtain a minimum attendance of 85% in each of the courses registered. However, if the attendance is below 85%, the shortage upto a maximum of 10% of the attendance may be condoned by the Vice Chancellor on the specific recommendations of the Dean/ Principal of the college where the candidate is studying. This provision shall be utilised based on medical grounds, participation in NSS/ NCC/ Red cross/ National level Republic Day and Independence Day Parade/ participation in University/

State/ National/ International level sports and cultural activities, seminars, workshops, paper presentation etc., of significant value, supported by valid documents. The Course Teacher may recommend for condoning the shortage of attendance and submit the application with documents through the Dean/ Principal along with his recommendation to the office of the Registrar (Evaluation) before the last day of the semester.

2) The basis for the calculation of attendance shall be the period prescribed by the University by its academic calendar of events and as notified by the Registrar.
3) In case of late admissions, approved by competent authority (KEA/DTE/VTU), for admission to I semester and III semesters (for lateral entry scheme), the attendance shall be reckoned from the date of admission to the Programme.
4) The Principal shall also notify every month, the list of candidates who are falling short of required attendance. The Course Teacher/ Mentor/Class Teacher or the College office shall inform the students as well as their parents/guardians about the attendance requirement and the attendance status every month. Students facing an attendance shortage shall be mentored to make up for the shortage.
5) A student who does not satisfy the attendance requirement in one or more courses (including bridge courses for lateral entry students, if any) shall not be permitted to appear for the Semester End Examinations of those courses. The grade card for such courses shall be marked as DX. The candidate shall repeat those courses whenever offered next. However, the student shall be allowed to appear for the SEE in other courses of the semester.

22OB 4.0. ASSESSMENT AND EVALUATION PROCEDURE

Formative, Summative and other Assessments shall be conducted as per the University calendar of events in all the courses of the programme offered to the students, within the framework of Scheme of Teaching and Evaluation approved by the University. The details of Assessment and Evaluation for specific theory and practical courses, including theory question paper setting patterns, as recommended by the Joint Board of Studies and approved by the University are included in Annexure- VI.

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22OB 4.1 Assessment and Evaluation Process:

1) CIE and SEE constitute the major evaluations prescribed for each course, with only those students maintaining a minimum standard in CIE are permitted to appear in the SEE of the course.
2) In such cases where a laboratory is attached to the course, CIE marks shall be awarded separately for both theory and the laboratory. However, the laboratory may or may not have the SEE component in the evaluation.
3) In such cases where a laboratory carries more credits and is not part of the theory, they are listed separately in the Scheme of Teaching and Evaluation. Hence, they are treated as separate "heads of passing" which are assessed and evaluated independently.
4) CIE and SEE to carry 50% weightage each, to enable the course to be evaluated for a total of 100 marks, irrespective of its credits.
5) The evaluation system of the programme is comprehensive and continuous during the entire period of the Semester, by the faculty who is teaching the course. For a course, the evaluation and grading will be on the following parameters:

A	Continuous and Comprehensive Evaluation (CCE)	25 marks
B	Internal Assessment Tests (IAT)	25 marks
	Total of CIE (A+B)	50 marks
C	Semester End Examination (SEE)	50 marks
	Total of CIE and SEE (A + B + C)	100 marks

22OB 4.2. Continuous Internal Evaluation (CIE)

1) For a theory course, with an L-T-P distribution of L-0-0, the CIE will carry a maximum of 50% weightage of the total marks of a course. Before the start of the Academic session of each semester, a faculty may choose for his course **Internal Assessment Test** and a **minimum of two of the following assessment methods** with suitable weightage for each.
   i) Assignments (Individual and/or Group)
   ii) Seminars
   iii) Oral/Online Quizzes

iv) Group Discussions
v) Case studies/Case lets
vi) Practical orientation on Design Thinking, Creativity & Innovation
vii) Participatory & Industry-integrated learning
viii) Practical activities / problem solving exercises
ix) Class presentations
x) Analysis of Industry/Technical/Business Reports
xi) Reports on Guest Lectures / Webinars / Industrial Visits
xii) Industrial / Social / Rural projects
xiii) Participation in Seminars/ Academic Events/Symposia, etc.
xiv) Any other academic activity

2) The faculty will submit the 'CCE Assessment Plan' to the Principal/Dean/HOD for approval and notify the same along with the course syllabus before the start of semester. The total marks of the above two assessment components shall be scaled down to 25 marks/ 25% of total marks of the respective course (i.e., A).
3) To assess the students in a course under IAT component, two tests shall be conducted in a semester. Each test will be conducted for 25 marks. The average marks obtained in these two tests will be taken as IAT Marks (i.e., B).
4) The CIE marks awarded to students at different stages during the course shall be displayed on the notice board of the Department concerned to enable the students to point out any discrepancies.
5) The student shall obtain a minimum of 40% of marks allotted for CIE in each course (i.e., A+B) to be eligible to appear for the SEE in that course.
6) When a laboratory is part of a theory course, with L-T-P distribution of L-0-P, the student shall obtain a minimum of 40% marks in CIE of the laboratory to be eligible to appear for SEE in that course. This is in addition to the requirement specified under (5) above for the theory part of the course. The CIE marks obtained by a student in the laboratory, if it is equal to or greater than 40%, shall be retained until the end of that academic year till he passes the SEE. Otherwise, he shall re-register for the course when offered next.
7) If a student is unable to secure a minimum of 40% in CIE marks in any course, he shall

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not be eligible to take up SEE/ viva-voce examination in that particular course. It shall be the responsibility of Principal/Dean to scrutinize the list of candidates and permit only the eligible students to take up SEE/ viva-voce. In the event of an ineligible student inadvertently being allowed to appear for the theory/viva voce examination, the result of the concerned student shall be withdrawn forthwith by the University.

8) The list of such students, who have not secured the minimum in CIE marks, shall be sent to the Registrar (Evaluation) along with the submission of CIE marks of the successful students.
9) After the submission of CIE marks to the Registrar (Evaluation) of the University, any request for changes in the marks by the Principal/Dean shall be considered only after due approval of the Vice-Chancellor obtained through the Registrar (Evaluation).
10) The students not obtaining 40% marks in CIE shall re-register for the course during the subsequent semester whenever it is offered.

22OB 4.3. Semester-End Examination:

1) Only those students who satisfy the attendance requirement as per 22OB3.7 and CIE requirement as per 22OB4.2 shall be eligible to appear for SEE of that course.
2) University examination for all courses under SEE shall be conducted for a maximum of 100 Marks. The marks secured by the students for 100 marks shall be proportionately scaled down to a maximum f 50 marks to add the same with e CIE marks for the award of the letter grade.

Notes:

A	Continuous and Comprehensive Evaluation (CCE)	25 marks
B	Internal Assessment Tests (IAT)	25 marks
	Total of CIE (A+B)	50 marks
C	Semester End Examination (SEE)	50 marks
	Total of CIE and SEE (A + B + C)	100 marks

Table A [Regulation 22OB 4.1]

3) The Semester End Examination for all the courses offered during the semester shall be conducted at the end of each semester except when there are no students taking examinations for any course as per the Scheme of Teaching and Evaluation.
4) Only those students who satisfy the attendance requirement as per 22OB 3.7 and CIE requirement as per 22OB 4.2 shall be eligible to appear for SEE of that course.

5) University examination for all courses under SEE shall be conducted for a maximum of 100 Marks. The marks secured by the students for100 marks shall be proportionately scaled down to a maximum of 50 marks to add the same with the CIE marks for the award of the letter grade. (except for the project work the total SEE marks are 100)
6) The University examinations for all the Programmes of study shall be conducted at the end of each semester.
7) Students having no backlog courses, may not have more than one examination scheduled on the same day. However, students having backlog course may face a situation where they may have,
   a) Two examinations scheduled at the same time of the day,
   b) To take two examinations on the same day, one during the morning session and the other in the afternoon session, and
   c) Examinations on consecutive days.

   The students shall be prepared to appear for the examinations specified above under (b) and (c) cases. However, the University shall take utmost care to avoid scheduling as specified under(a) as far as possible. But in view of time constraint to complete the examinations and announce results on time, if it becomes unavoidable, the students shall choose to appear for the examination as per the advice of their Mentor. As changing the examination date is not an option, the examination time table shall not be modified/ altered/ adjusted in any of the above three cases.
8) The passing standards in CIE, SEE, a course and a semester for all types of the courses in which grades are awarded shall be as per the clause 22OB 6.3.
9) A student securing an 'F' grade in any courses, shall reappear for that course during the subsequent SEE. The CIE marks awarded to the student at the first attempt in the concerned course shall be carried forward. Revised CIE marks are considered only for courses where grade DX was awarded.
10) For a pass ('P' grade), sum total of CIE and SEE marks must be 40% of the maximum marks prescribed for a course as per the Scheme of Teaching and Evaluation.

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22OB 4.4. Makeup Examination:

1) The makeup examination facility shall be available to those students who have appeared and failed in the SEE in one or more courses in a semester. However, the students passing in the makeup examination shall lose their eligibility to be considered for the award of Ranks.
2) If a student has satisfactory attendance in a course and has secured a minimum of 40% in CIE but could not appear in SEE for valid and convincing reasons as specified under 22OB 3.7.1 , shall be eligible to appear for the makeup examination, after due recommendation by the Principal/ Dean and approval from the University.
3) Following may be considered as other valid reasons for semester end makeup examination:
    a) Serious Illness/ personal accident in the case of the student himself.
    b) Serious illness/ Accident/ Death of parent /guardian.
4) Students claiming semester end makeup examination on the above reasons are required to apply to the Principal/ Dean, on or before the prescribed last date for registration for such makeup examination announced in the Academic Calendar, along with proper medical certificate issued by a competent Authority. In the event of death and/ or serious illness/ accident of parent or guardian, the application should be supported by adequate evidence of the same/ appropriate documents. Decision of the Vice Chancellor is final in these matters.
5) The Makeup Examinations for both the semesters shall be conducted once in a year at the end of the even semester.

22OB 4.5. Maintenance of Examination Records

1) The candidate shall write tests, assignments/unit-tests /written quizzes in Blue Books, which shall be preserved by the Principal/ Head of the Department for at least 3 years after the announcement of University results and shall be made available for verification as per the direction of the Registrar (Evaluation).
2) Any corrections or overwriting of CIE marks on the blue book/drawing sheet laboratory record etc., where CIE marks are awarded, shall bear the signature(s) of the concerned Teacher(s) and the Head of the Department.

3) CIE marks shall reach the University before the commencement of examinations as per the notification from the office of the Registrar(Evaluation) from time to time. After submission of CIE marks to the University, any request under any circumstances for a change of CIE marks shall not be considered.
4) CIE marks of those students, who come under 22OB 4.6(4) and (5), shall also be sent to the Registrar (Evaluation) along with other course CIE Marks.
5) The final list, incorporating corrections (if any), of CIE marks awarded to the students in the Theory/Practical/Internship/ Mini – Project Work/Major-Project Work shall be displayed on the notice board of the college much before the closure of the semester.
6) The college/Department shall enter the CIE marks of each on the University's online CIE marks portal and submit a certified copy of the same to the University Examination Section within the stipulated date notified by University. Every page of the CIE marks sheet (hardcopy) shall bear the signatures of the concerned Teacher/Teachers, Head of the Department, and the Principal/ Dean.

22OB 4.6. Review Committee for CIE

1) Review of assessment is an organized procedure that ensures the use of valid assessment methods and consistent application of criteria, to provide fair academic judgment and reliable outcomes in the form of marks or grades. It assures appropriate designing and implementation of assessment activities along with the generation of valid and reliable results.
2) After each test, the Principal/ Dean shall ensure that the evaluation is fair in each of the courses, scheme of valuation is uniformly followed and that the award of marks in the courses follow a normal distribution curve. If there are any lapses or the marks distribution is either left skewed or right skewed, corrective measures shall be taken and the Report to be submitted to the University.
3) If the review exercise is done solely for the purpose of unduly favouring the students, the University reserves its right to take punitive action on the concerned.
4) There shall be a Review Committee for Internal Assessments in every

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Department, which shall be chaired by the Head of Department and two senior faculty members nominated by the Principal/Dean. This Committee shall be responsible for the entire process of Internal Assessment in the Department, including redressal of grievances, if any.

5) **Guideline for the Review Committee:**

Review may be conducted after each test or after the tests in case there is a large number of failures or high marks, or when large numbers of students have received the same marks, or when there are wide discrepancies between marks allocated to individual students in different courses,

a) Split-up of marks used for each of the different types of assessment in the course may be checked.

b) Checking of the questions to find whether it maps to course outcomes.

c) Checking the difficulty level of questions paper i.e is the difficulty level on the high extreme, very easy or otherwise.

d) Whether the assessment modes are used to cover the entire syllabus or not.

e) Checking the manner of awarding the marks, i.e has correction been at the extremes, liberal or tough?

f) Moderation should not be restricted to just assessment but also includes the assessment design (scheme of evaluation).

g) Each college shall submit the moderation committee report to Registrar (Evaluation) along with the CIE marks.

22OB 4.7. Rejection of Result

1) A student is permitted to reject the total performance of a semester (including CIE marks) or reject only the result of his/her performance in University examinations(SEE) of a semester. The rejection is permitted only once during the entire Programme of study.

2) Students who desire to reject the SEE results of a semester shall reject the total performance(irrespective of the earned course grades) in all the courses of the semester either rejecting or retaining the CIE marks. However, rejection of the performance of the VIII semester project shall not be permitted.

3) Students who desire to reject the total SEE performance of an odd or even semester including CIE marks, have to repeat that odd or even semester of the prevailing scheme by taking readmission during the subsequent academic year/s, governed by clauses 22OB 5.3 and 22OB 5.2.
   a) If the rejection of SEE results excluding CIE marks is of the odd semester, students shall be allowed to take admission to the immediate next even semester.
   b) If the rejection of SEE results excluding CIE marks is of an even semester, then students shall be allowed to take admission to the next odd semester.
   c) Readmission to odd/even semesters shall not be considered as fresh admission and therefore students shall continue to have the same University Seat Number, which was allotted earlier. The maximum duration of the Program shall be counted with reference to the University Seat Number (USN).
   d) Applications for rejection of results excluding CIE and approval to reappear for University examinations shall be sent to the Registrar (Evaluation) through the Principal of the College within 30 days from the date of announcement of the results, with prescribed fee as notified by the University from time to time. Late submission of applications shall not be accepted for any reason.
   e) Application for rejection of results including CIE and approval for readmission shall be sent to the Registrar through the Principal of the College within 30 days from the date of the announcement of the results with prescribed fee as notified by the university from time to time. Late submission of application shall not be accepted for any reason.
4) Registration for SEE is compulsory if the student/s has satisfied the attendance and CIE requirement of ODD /EVEN semester.

   In case, the students fail to register for SEE of the odd semester after satisfying the attendance and CIE requirements of the semester, they shall be permitted to move to an even semester of that academic year.

   However, such students have to register for odd semester examinations conducted at the end of the academic year for all the semesters and registration shall be considered for the first attempt.

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In case, students fail to register for the odd semester SEE after completing successfully the even semester, they shall not be permitted to move to the higher odd semester of the subsequent academic year. Irrespective of a student appearing for SEE, he/she has to register for SEE for odd and even semesters before completing the academic year.

5) Students who opt for rejection of results of the University examination shall be eligible for the award of the Degree and Minor Degree but not for the award of ranks and Honors Degree.

22OB 4.8. Academic Malpractice

Academic malpractices shall be seriously viewed, and appropriate action taken. In case of malpractice during any of the internal examinations like assignments, quizzes, and tests, the Course Teacher/Invigilator shall report the matter to the Principal/ Dean for penal action. If the Principal/ Dean finds that the offence is serious enough or the candidate appeals in writing to the University, then the matter shall be further refered to the Academic Malpractice Committee of the University. However, any malpractice in the SEE shall be reported to the University irrespective of the seriousness of the malpractice.

22OB 5.0. MAXIMUM DURATION FOR PROGRAMME COMPLETION

22OB 5.1: Multiple-Entry-Multiple-Exit Options

While earning credits towards their B.E./B.Tech degree, the students may judiciously use the options provided to them through CBCS and MEME clauses in the Regulations, to obtain additional certificate and a B.Sc. degree. However, they shall earn the required credits for the award of the degree within the maximum specified duration.

The following distinctions are awarded under MEME options:

1) Certificate in Respective Programmes of Engineering

A student who exit at the end of II year of the programme shall be awarded a certificate, if he/she successfully passes the registered courses and earns:

(i) Atleast 50% of the credit requirements of B.E./B.Tech. programme. (i.e. 80 credits) However, it is 25% for lateral admission candidates (i.e. 40 credits).

(ii) Atleast 50% of the programme professional core courses (some specific

courses may be specified, so the leaving student has decent skills), and

(iii) A minimum CGPA of 5.0.

2) B.Sc. in Respective Programmes of Engineering

A student who exit the end of III year of the programme shall be awarded a B.Sc. degree, if he/she successfully passes the registered courses and earns:

(i) Atleast 75% of the credit requirements of B.E./B.Tech. programme (i.e. 120 credits); and completed atleast 3 years (80 credits and 2 years respectively for lateral admission candidates) in the programme.

(ii) 100% of programme professional core courses

(iii) A minimum CGPA of 5.0.

With B.Sc., the student is eligible for entry into programmes which take B.Sc. as admission eligibility criteria.

3) Re-entry to complete the programme

A student exiting with a certificate or B.Sc. should be entitled to re-enrol in the programme. All the credits will be transferred, if the student enrols back within a limited period of 3 years of exiting. In case a student enrols after that, then the transfer of credits should be examined by looking at the change in the curriculum from what the student did. Exits are permitted by the University within 15 days of announcement of II year and III year University results, on written request for the award of certificate and B.Sc. degree by a student when he/she is eligible. Corresponding to these two exits, a maximum of two re-entries are permitted with the condition that he/she complete the programme within the maximum specified duration.

4) Programme Completion in another Institution

The University permits a student to earn a certificate/B.Sc. in one institution and complete the degree programme in another. This will enhance the value of certificates and the B.Sc. Degree.

22OB 5.2. Maximum Duration for Programme Completion

The minimum duration of the program is four academic years for regular students and three years for lateral entry students. Students admitted to first-semester B.E./B. Tech.,

shall complete the programme within eight academic years from the year of the first admission, failing which they will not be eligible for the award of a degree. Students admitted to third semester B.E./ B.Tech., under the lateral entry category shall complete the programme within six academic years from the year of the first admission, failing which they will not be eligible for the award of degree.

22OB 5.3. Readmission

1) Students who are temporarily discontinuing the programme and getting readmitted to the eligible semester are permitted subjected to the clause 22OB 5.2.
2) The permission for readmission is only on request through the Principal and is not treated as a matter of right. Such students shall not claim any benefits based on the readmission.
3) Students who take re-admission to any semester of the existing scheme from another scheme, as a repeater/fresher because of various reasons, shall attend and complete all the remaining semesters of the programme adhering to the Regulations of the prevailing scheme and shall complete additional courses, if any, as per the decision of equivalence committee in concurrence with concerned Board of Studies on establishing the equivalence between two schemes. Such a candidate shall not be eligible for the award of rank.
4) Readmission to odd/even semester shall not be considered as fresh admission and therefore students shall continue to have the same University Seat Number (USN), which was allotted at the time of his/her admission to the programme. The maximum duration of the programme shall be counted with reference to the USN allotted during his/her first admission to the programme.
5) A student who has not obtained the eligibility for III semester even after three academic years from the date of admission to I semester shall discontinue the programme or get readmitted to I semester of first year B.E./B.Tech., with a new University Seat Number (USN) but retaining the same year of admission.
6) The candidates who have temporarily discontinued the programme of study or changed the scheme of study from one to another because of various reasons or transferred with credits from the autonomous college of the University/other University to non-autonomous constituent/affiliated college of the University,

shall be eligible for the award of degree provided the total credits earned at that stage are equal to or greater than the credits prescribed by the University under clause 22OB 3.3. and satisfy all other conditions of this Regulations.

7) In case, the forecasted or estimated credits are going to be less than that of the credits prescribed by the University on the completion of all the semesters of the programme under the prevailing scheme, the candidate shall register for a course or courses not studied earlier and make up the credits which are equal to or greater than the University prescribed credits.

Letter Grade and corresponding Grade Points on a typical 10 – Point scale								
Letter Grade	O	A+	A	B+	B	C	P	F
	Outstanding	Excellent	Very Good	Good	Above Average	Average	Pass	Fail
Grade Point	10	9	8	7	6	5	4	0
% of Marks Secured	90-100	80-89	70-79	60-69	55-59	50-54	40-49	0-39

8) In case of any difficulty, Vice-Chancellor shall decide on individual cases, which shall be final.

22OB 6.0. GRADING AND VERTICAL PROGRESSION

22OB 6.1. Award of Grades:

1) The University adopts absolute grading system wherein the marks are converted to grades, and every semester result will be declared with semester grade point average (SGPA) on successful completion of all courses of that semester.
2) The total marks obtained by the student in CIE and SEE of a course is expressed as a percentage to compute the grade points and the letter grade is awarded as indicated in the table below:

3) If there is no SEE for a course, then the CIE marks alone will be the basis for the determination of letter grade.

22OB 6.2. Other Letter Grades:

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The letter grades specified in 22OB 6.1 are used as student performance measures in all kinds of assessments. However, the following letter grades are also awarded under thecircumstances defined below (Letter Grade: Grade Point - Circumstances).

1) DX: 0 - Credits are not included in CGPA, Attendance below 75%, hence Repeat the course (In case of electives, course change is permitted)
2) AU: 0 - Satisfactory in an Audit course
3) AB: Absent for the Course
4) PP: 0 – Passed in Non-credit course
5) NP: 0 - Not Passed in Non-credit course
6) IC: No credits - Incomplete (a place holder; gets converted to an appropriate grade after clearing SEE examination else converted to 'F') else automatically converted to 'F'.
7) W: No credits – Dropped/ withdrawn (W is not a grade but only a place holder indicating that the course has been dropped/withdrawn and it must be cleared in subsequent semesters).

22OB 6.3. Passing Standards

1) **Maximum and Minimum CIE Marks:**

   The maximum weightage of CIE mark shall be 50. To appear for the SEE, the minimum CIE marks to be secured in each of the courses shall be 40 % of the maximum marks of CIE.

2) **Maximum and Minimum SEE Marks:**

   The maximum weightage of SEE marks shall be 50 and marks to be secured for passing shall be 35 % of the maximum marks of SEE.

3) **Eligibility for Passing a Course:**

   The overall passing marks shall be 40% of the maximum marks (the sum of the CIE and SEE should be 40% of the maximum marks) of the course.That is, minimum passing grade in a course (head of passing) shall be "P".

4) **Semester Passing Standards:**

   a) A student shall be declared successful or 'passed' in the entire undergraduate programme, only when he secures a Grade Point of 4 ("P" Grade) or above in every registered course in each Semester during the entire programme for the Degree

Award, as required.

b) A Student shall be declared successful or 'passed' in any Non-Credit Course if he secures a 'Satisfactory Grade (PP)' for that Mandatory Course.

5) A student who satisfy the conditions (1), (2), and (3) above, and obtain any grade from 'O' to 'P' in a course shall be considered to have passed that course.

6) A student shall be awarded letter grade in a course as indicated below, if he/she,
   a) Fails to satisfy the conditions under Section (5) above: 'F' Grade,
   b) Absents himself/herself from the University examinations: 'AB' Grade,
   c) Has attendance shortage in a course: 'DX' Grade, and
   d) Course is Incomplete for any reason: 'IC'.

7) Students satisfying the attendance requirement but failing to secure the minimum percentage of CIE marks, in any course/s, shall not be eligible for the SEE, conducted by the University and they shall be considered as fail in that Course/those Courses and marked as DX in the grade cards against this course/s. However, they can appear for University examinations conducted for other Courses of the same semester and backlog course/s if any.

8) Students who have satisfied the attendance requirement but not the CIE requirements can be permitted to register afresh and appear for SEE after satisfying the CIE requirements in the same Course(s) when offered during the next immediate semester/s or later.

9) Each appearance to SEE or absence after completing CIE and attendance requirements to complete a course shall be treated as an attempt.

22OB 6.4. Vertical Progression

A student progresses according to his/her performance and could register for the higher semesters subjected to conditions under clause 5.2.

1) **Students admitted to the first year:**
   a) Students having "F" grades for the courses totaling to more than 16 credits in the 1st and 2nd semesters of the first year of the programme shall not be permitted to to move to the 3rd semester (2nd year) of the programme. These courses include

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courses marked as DX.

b) The students who fail to satisfy CIE and attendance requirement shall repeat the courses whenever offered next and become eligible for the 2nd year.

2) **Obtaining CIE:** From the 3rd semester (II year) onwards the student who obtains the required attendance for the course, but not the required CIE marks is allowed to move forward to the next semester. However, the student shall mandatorily obtain the required CIE in the subsequent semester. Obtaining minimum CIE marks for the course is mandatory. It may also be noted that the student shall not be permitted to appear for SEE in such courses until he/she obtains the required CIE.

3) **Completion of backlog courses:** From 3rd semester (II year) onwards,

   a) the student who obtains required attendance, CIE, and appearing for SEE obtains "F" Grade shall be allowed to move forward to the next semester (odd /even) irrespective of several "F" grades, subjected to satisfying the clause 22OB 3.3 and 22OB 5.2.

   b) there shall be no restriction for promotion from an even to next odd semester (or odd to next even semester) even if the student has not satisfied the attendance requirement in one or more courses (including bridge courses for lateral entry students), but he/she shall not be eligible to appear for SEE in those course(s). Such students shall repeat those courses whenever offered next.

4) A student shall be given admission to the 7th semester (IV year) provided he/she passes all courses of 1st and 2nd semesters.

5) **Permitted Maximum credits for registration:** The student shall be permitted to register for total courses to an extent subjected to the conditions under clause 22OB 3.6.2.

6) **Successive Failures and alternate course selection:**

   a) If a student not completing a course, other than the professional core course, even after four attempts, may drop that course and choose an alternate course having the same number of credits from the pool of courses suggested by the concerned Board of Studies.

   b) The course so selected should not have been studied by the student or

to be studied in future at higher semesters. The faculty advisor shall guide/ advise the student in this regard.

c) The college shall make arrangements for the registration and conduction of CIE for the alternate course selected.

d) This provision is given only for two courses (one at a time) during the entire maximum duration of the programme.

e) This provision is optional; the student/s can continue registering for the same course without opting for a change.

22OB 6.5. Condition for Re-Registering a Course:

1) Students who do not pass the course as per clause 22OB 6.3(3) and awarded "F" Grade may Re-Register and improve their performance.

2) Such student, after passing the failed course in subsequent examination/s, will be awarded letter grade based on the marks he scores while passing in the subsequent examination/s.

22OB 6.6. Computation of SGPA and CGPA:

1) Semester Grade Point Average (SGPA) will be awarded at the end of each Semester and Cumulative Grade Point Average (CGPA) will be awarded at the end of the program. However, CGPA is calculated at the end of each semester from the second semester onwards and reflected in the grade card for indicating the progress of the student.

2) Each course in a program is associated with number of credits (C). Based on the number of Credits for a course and obtained Grade Point (GP) for that course in a Semester, the GPA is calculated as given below:

a) The SGPA is the ratio of sum of the product of the number of credits with the grade points secured by a student in all the courses taken by him and the sum of the number of credits of all the courses undergone by a student, i.e.,

$$SGPA = \sum (Ci \times Gi) / \sum Ci$$

Where Ci is the number of credits of the ith course and Gi is the grade point scored by the student in the ith course.

b) The CGPA is also calculated in the same manner considering all the courses undergone by a student over all the semesters of a programme, i.e.,

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$$CGPA = \sum (Ci \times Si) / \sum Ci$$

Where Si is the SGPA of the ith semester and Ci is the total number of credits in that semester.

Finally, the SGPA and CGPA shall be rounded off to 2 decimal points and reported in the grade cards. An illustrative example to calculate SGPA and CGPA for one academic year is shown in **Annexure-I**.

22OB 6.7. Conversions of CGPA into Percentage of marks and Class Equivalence

The following formula for conversion of the CGPA on a 10-point scale into the percentage of marks (M) for employment/ higher studies, etc. may be used;

Percentage of marks secured, M = CGPA Earned x 10

E.g.: Illustration for a CGPA of 8.20;

Percentage of marks secured, M = 8.20 × 10= 82.0 %

22OB 6.8. Class Equivalence

Subsequent to the conversion of final CGPA, after successful completion ofthe Program, into the percentage of marks (M), a graduating student isreckoned to have passed in

(i) First Class with Distinction (FCD) if M≥ 70

(ii) First Class (FC) if 60 ≤M<70

(iii) Second Class (SC) if 50 ≤ M < 60

(iv) Pass Class (P) if 40≤ M ≤ 50

22OB 6.9. Award of Grade Cards, Certificates and Transcripts:

(1) **Grade Cards:** At the end of each semester, a Grade Card shall be issued to all the registered students of that semester, indicating the Course code, Title, Number of credits, Letter grade awarded, and Credits earned, for all the Courses as specified in the scheme of teaching and evaluation, along with total credits earned, SGPA, and CGPA as applicable. This may have F grades and other temporary grades awarded to the student.

(2) **Grade Certificate:** The Grade Certificate, having the same format of Grade card but indicating the month and year of clearing a course, is issued to the student on demand

only on clearing all the temporary grades specified in the Grade Card.

(3) **Transcripts:** Transcript is the consolidated statement of the academic performance of a student for all the semesters since joining the programme and is generally given to a student on successful completion of the programme along with the degree certificate.

(4) For those students who have taken multiple attempts to clear a course, the transcript given on successful completion of the programme will only contain earned pass grade ('O' to 'E', AU and PP); the courses cleared subsequently will however be shown in the respective semester with Month and Year in which the student has finally cleared the course. The transcript will show only the overall CGPA based on all the courses taken by the student. Credits earned beyond the requirement for the award of the degree shall be shown as additional courses separately, indicating the grade earned by the student. Additional copies of the transcript can be obtained if needed, on request submitted along with payment of applicable fee.

(5) Students who have not yet completed the programme can obtain an interim Transcript at the end of any semester, if needed, on request and upon payment of applicable fee. The interim Transcript includes failed courses, which have not been cleared at the time of issue.

22OB 6.9.1. Mandatory Earning of Activity points:

Sl. No.	Student Category	Activity Points prescribed
1	Regular Students admitted to the 4 year Degree Programme	100
2	Students entering 4 year Degree Programme through lateral entry	75
3	Students transferred from other Universities. To the 5th Semester	50

The Activity Points earned shall be reflected on the student's eighth semester Grade Card.

(i) Activity Points (non-credit) have no effect on SGPA/CGPA.

In case a student fails to earn the prescribed activity Points before the

commencement of 8th semester examinations, the Eighth Semester Grade Card shallbe issued only after earning the required activity Points. Students shall be admitted for the award of the degree only after the release of the Eighth Semester Grade Card.

(ii) The Guidelines and suggestive activities under Activity points are listed in Annexure –VII

22OB 7.0. ELIGIBILITY FOR AWARD OF DEGREE, PRIZES, MEDALS, AND RANKS

22OB 7.1. B.E./B.Tech. degree

(a) Students shall be declared to have completed the undergraduate Programme of B.E./B.Tech. degree and is eligible for the award of degree provided they have undergone the stipulated course work of all the semesters under the Scheme of Teaching and Examinations and have earned the prescribed number of credits as per clause 22OB 3.3 within the permitted maximum duration specified under clause 22OB 5.2.

(b) For the award of degree, completion of bridge courses, if any, as applicable is compulsory.

22OB 7.2. B.E./B.Tech. (Honors) Degree

(a) Students shall be declared to have completed the undergraduate Programmme of B.E./B.Tech., degree with Honours, provided they have,

(i) Been declared eligible for the award of the degree as per clause 22OB 7.1,

(ii) Earned additional 18 or more credits through University-approved online courses, and

(iii) Satisfied the conditions of "VTU (Award of Honours/ Minor at B.E./B.Tech. Degree Programmes) Regulations, 2022".

22OB 7.3. B.E./B.Tech. with Minor Degree

a) Students shall be declared to have completed the undergraduate Programmme of B.E./B.Tech., degree with Minors, provided they have,

(i) Been declared eligible for the award of the degree as per clause 22OB 7.1,

(ii) has earned additional 18 or more credits through University-approved online courses, and

(iii) Satisfied the conditions of "VTU (Award of Honors/Minor at B.E./B.Tech. Degree Programmes) Regulations, 2022".

22OB 7.4. Award of Degree for an Extraordinary Student:

1) The University through college can offer a fast-track degree for an extraordinary student. The same is done by offering courses of his/ her choice to fulfill the requirement of the programme in three and half years.
2) However, the degree shall be awarded on completion of 04 years.
3) The course completion letter shall be issued jointly by the University and the College immediately after completion of the programme, not withstanding the minimum duration.
4) The extraordinary student is one with a CGPA ≥ 9 in 2nd and 3rd semesters and continue to maintain the same in all the semesters. Otherwise, his/her registration shall stand canceled automatically.
5) Aspirant students shall register with the University through the Principal of the college at the 4th semester level, with the prescribed registration fee as fixed by the University from time to time. Such students shall register for more credits, other than the regular semester credits, along with the 5th semester registration.

22OB 7.5. Noncompliance Cases

1) **Noncompliance of Mini-project**

   The mini-project shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take up/complete the mini-project shall be declared fail in that course and shall have to complete the same during subsequent University examinations after satisfying the Mini-project requirements.

2) **Noncompliance of Major-project**

   The Project Work shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take up/complete the Major-project shall be declared fail in that course and shall have to complete the same during subsequent University examinations after satisfying the Major-project requirements.

3) **Noncompliance of Internship**

All the students of B.E./B.Tech. shall have to undergo mandatoryinternship The internship shall be considered as a head of passing andshall be considered for the award of degree. Those, who do not takeup/complete the internship shall be declared fail in that Course and shallhave to complete the same during subsequent University examinationsafter satisfying the internship requirements.

4) **Non compliance to earn credits in Honours and Minors**

When a student registering for minor or honours degree is unable to complete all the required courses or earn the required credits within the maximum programme duration or at the time of becoming eligible for the award of the Degree, may withdraw from these additional degree programmes and request for the award of a certificate. The University shall consider those additional courses passed as Value Added Courses and issue a certificate to that effect.

22OB 7.6. Award of Prizes, Medals, and Ranks

For the award of Prizes and Medals, the conditions stipulated by the Donor shall be considered subject to the provisions of the statutes framed by the University for such awards.

(1) For the award of rank in a Specialization of Bachelor of Engineering/Technology, the highest CGPA secured by the students at the end of the VIII semesters shall be considered after having completed the requisite credits.

(2) The additional credits earned for the award of Honours/ Minors degree shall not have any bearing for the Rank declaration.

(3) A student shall be eligible for a rank at the time of award of the degree of Bachelor of Engineering/ Technology, provided that the student,

a) (i) Has passed all the Courses of I to VIII semester in the first attempt only in case of Candidates admitted to I year.

(ii) Has passed all the Courses (including bridge courses) of III to VIII semester in the first attempt only in case of Candidates admitted under lateral entry scheme.

b) Is not a repeater in any semester because of rejection of result of a semester/ shortage of attendance /temporarily discontinued and rejoined/readmitted etc.

c) Has completed all the semesters (I to VIII or III to VIII for lateral entry students) in VTU constituent college or in any VTU affiliated college, excluding the autonomous colleges.

d) Has not been transferred from any autonomous college affiliated to VTU or any other University.

(4) The total number of ranks awarded shall be 10% of the total number of students who appeared in the VIII semester subject to a maximum of10 ranks in a specialization.

(5) For an award of ranks in a specialization, a minimum of 10 students should have appeared in the VIII semester examination.

Illustration:

a) If 1228 students appeared for the VIII semester in Electronics and Communication Engineering Program, the number of ranks to be awarded for Electronics and Communication Engineering shall be10.

b) If 90 students appeared for the VIII semester in Biomedical Engineering, the number of ranks to be awarded for Biomedical Engineering will be 09.

c) In case of a fractional number of ranks, it is rounded to a higher integer only when the first decimal place is greater than or equal to 5.

22OB 7.7. Ranks shall be awarded based on the merit of the students as determinedby CGPA. If two or more students get the same CGPA, the tie shall beresolved by considering the number of times a student has obtained ahigher SGPA. If it is not resolved even at this stage, the number of times a student has obtained higher grades like S, A+, A, B+ etc., shall be taken in to account to decide the order of the rank.

22OB 8.0. CHANGE OF COLLEGE: TRANSFER OF STUDENTS

The Regulations Governing the Change of College shall be followed [Annexure-II].

22OB 9.0. CHANGE OF BRANCH

The Regulations Governing the Change of Branch shall be followed[Annexure-III].

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22OB 10.0. MISCELLANEOUS

1) Guidelines for using Online content in courses at the University and Colleges [Annexure-IV].
2) The Regulations Governing the Academic Bank of Credits shall be followed [Annexure-V]

22OB 11.0. Applicability and Power to Modify

i) The regulations governing the degree of Bachelor of Engineering/ Technology of Visvesvaraya Technological University shall be binding on all concerned.

ii) Notwithstanding anything contained in the foregoing, the University shall have the power to issue directions/ orders to address and removal of any difficulty.

iii) Nothing in the foregoing may be construed as limiting the power of the University to amend, modify or repeal any or all of the above.

Annexure – I

An illustrative example to calculate SGPA and CGPA for one academic year:

(a) SGPA and CGPA Calculations: An Illustrative Example for one academic year

Semester (Odd :I, Even: II)	Course Code	Credits	Grade	Grade Points (GP)	Credit Points (CrP)	SGPA, CGPA
I	XX11	3	B	8	3x8=24	$SGPA = \frac{101}{20} = \mathbf{5.05}$
I	XX12	3	Absent(F)	0	3x0=00	
I	XX13	3	A+	9	3x9=27	
I	XX14	3	F	0	3x0=00	
I	XX15	3	B	6	3x6=18	
I	XX16	1	C	5	1x5=05	
I	XX17	1	A+	9	1x9=09	
I	XX18	2	B	6	2x6=12	
I	XX19	1	B	6	1x6 = 06	
	Total	20(14*)		Total	101	
(14*): Total credits of the semester excluding the credits of the courses under F grade. Considered for the calculation of CGPA of the two consecutive semesters under consideration.						
II	XX21	3	B+	7	3x7=21	$SGPA = \frac{178}{26} = \mathbf{6.85}$
II	XX22	3	A	8	3x8=24	
II	XX23	3	B	6	3x6=18	
II	XX24	3	C	5	3x5=15	
II	XX25	3	A+	9	3x9=27	
II	XX26	1	F	0	1x0=00	$CGPA$
II	XX27	1	A	8	1x8=08	

II	XX28	2	A+	9	2x9=18	$=\frac{(101+178)}{14+25}$
II	XX29	1	A	8	1x8=08	$=\frac{279}{39}=\mathbf{7.15}$
I semester						
I	XX12	3	B	6	3x6=18	
I	XX14	3	B+	7	3x7=21	
	Total	26(25*)		Total	178	

(25*): Total credits of the semester excluding the credits of the courses under F grade. Considered for the calculation of CGPA of the two consecutive semesters under consideration.

(b) CGPA Calculation of the Program: An Illustrative Example

Semester	I	II	III	IV	V	VI	VII	VIII
Credits of the semester	20	20	20	20	20	20	24	16
SGPA	5.0	6.73	9.20	6.86	8.18	7.73	9.18	9.40
∑CrP	100	175	220	165	204	185	184	169

$$CGPA = \frac{[100+175+220+165+204+185+184+169]}{160} = \frac{[1402]}{160} = \mathbf{8.76}$$

For Lateral Entry Students

$$CGPA = \frac{[220+165+204+185+184+169]}{120} = \frac{[1127]}{120} = \mathbf{9.39}$$

Annexure – II

The Regulations Governing the Change of College:

(@ https://vtu.ac.in/wp-content/uploads/2021/01/Notified-COC-Regulations.pdf)

Annexure – III

The Regulations Governing the Change of Branch:

(@ https://vtu.ac.in/wp-content/uploads/2021/01/Notified-COB-Regulations.pdf)

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Annexure – IV

Guidelines for Using Online Content in Courses at the University and Colleges.

1.0. Background

A lot of online high quality content is available today either free or at a low cost. Besides the Government supported NPTEL, there are companies who aggregate courses from several Universities (and even private commercial organizations) and offer them to students all over the world. There are other companies who offer courses designed and developed by them. Further, a lot of companies have online content available to students.

On the other hand, most of the Computer Science (and related) departments face serious shortage of faculty, particularly in areas where there is a significant demand in the industry.

So, on one hand, we have quality content available for free or low cost, and on the other hand, we don't have faculty to teach such courses. The natural solution is to find ways to use online content for the courses in the curriculum (with credits). This way, either a knowledgeable faculty can "teach" a much larger class, or a faculty member with inadequate background in the topic can still "teach" the course better than what he/she would have done without the support of such online content.

1.1. Issues

The online content has been around for several years. The regulatory bodies have also been encouraging use of such content (particularly, NPTEL). And yet, the online content has not been integrated with the curriculum in most colleges. The pandemic has allowed people to take a fresh look at online content and the mental barriers to using such content in the curriculum have been breached. At this time, it is felt that a lot of colleges would want to use this content. However, there are two primary academic issues that need to be addressed (besides logistics, financial, and HR issues). These are:

1. How do we decide what material to use? This has two sub-issues. One, what content would be equivalent to the content that is mentioned in our curriculum (course mapping). Note this is a challenge because there may not be a single module which covers all parts of the curriculum. So we may need to select more than one module. Two, given the plethora of content, which content is of reasonable quality.
2. How would a college do evaluation of students in order to assign marks/grades?

1.2. Modes of Learning

There are several ways of using the online content in the curriculum.

The simplest mode (Mode 1) is to use online content as additional reference material. In this mode, the normal teaching is anyway being done and the faculty is referring to online content in the same way he/she would refer to a book. This mode requires no change or suggestions and hence is outside the scope of this document.

The next mode (Mode 2) is the flipped classroom model where the students go through the online content (including writing programs, small quizzes, etc.), and the local faculty takes discussion sessions and does all the evaluation. This mode still requires a knowledgeable faculty member to be the course Teacher. However, given that we can now reduce the contact hours for the students and faculty, the same faculty can handle a much larger class (or multiple sections in case there is an upper limit on the size of the class).

The next mode (Mode 3) is that the students are studying only through the online mode and there is very little interaction with the faculty at the college. May be there can be some sessions once in a while, but mostly, the role of a local faculty is only to handle evaluation (exams, assignments, projects, etc.). This partially addresses the issue of lack of faculty in certain areas since the expertise required for handling evaluation is arguably lesser than the expertise required to teach the course.

The last mode (Mode 4) is where the online provider does everything, including evaluations. We don't need any faculty member at the college to offer this course. We only need to decide how to translate the evaluation done by an outsider to an equivalent grade/ mark on the college transcript.

The table below illustrate the four models in brief.

S. No.	Model	Local Part	Online Part	Guidelines
1	Reference Mode	All lectures, home works, evaluations	Additional Reference material	No additional recommendations. This requires no additional details.
2	Flipped Mode	Discussion sessions, evaluations	Lectures, Home works, Quizzes, Project options	Requires local faculty with some knowledge in the subject area. Large sections/class sizes can be handled

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3	Screen Mode	Evaluations	All lectures, Home works, Projects	Place reasonable limit on the number of credits that can be earned in this mode. Use in cases where there is faculty shortage in critical areas.
4	Fully online	--	All lectures, evaluations, Projects, Tests	Place reasonable limit on the number of credits that can be earned in this mode. Advised not to repeat this model for the same course more than two times. Local faculty also to register and go through the course. Official score/grade to be suitably added to the student transcript.

1.3. Course Mapping

Each course in the curriculum has course outcomes and the content defined by the University. Typically, we may have some course outcomes which are important ones and may be some outcome which is desirable or optional. Similarly, the curriculum may also define the rough duration of each topic. Sometimes the curriculum will also include the kind of projects or assignments that the student shall be asked to do in the course.

The key to course mapping is to realize that any two individuals defining a course will have some differences and we must be flexible to accept differences to some extent. The committee trying to do course mapping should have an understanding of what are the important components (in all three: outcomes, topics, and projects) and should ensure that the online content meets all the important requirements. But looking for identical course would be usually futile.

Also, what is noticed is that typical online courses are often available in smaller modules than a typical 4- credit course in our curriculum. And therefore, one may need to consider more than one online courses together to be equivalent to one course in the college. It may also be noted that just like some small aspects of the course may not be present in the modules chosen, there may be some aspects of the online modules which were not part of the college course. This amount of flexibility should be acceptable to the college. Typically, if the online content covers 80% of the college course, it may be accepted.

While autonomous colleges and Universities do have this flexibility, the affiliated colleges may not have the flexibility of not teaching even 20% of the content. In case of affiliated colleges, one will have to either be stricter in course mapping or find a way to cover the gaps through a local faculty or a visiting faculty. It is assumed that it is easier to find a visiting faculty for a small part of the course and

hence it is still a useful mode.

It may also be noted here that for Core courses, the overlap needs to be significantly higher while for the elective courses, the overlap could be relaxed somewhat. It is because the core courses typically are pre-requisites for other courses. Also, core courses have been defined to be such because it is assumed that content is more important for the graduates than what is taught in electives.

However, course mapping is still not an easy thing to do. It requires an understanding of important versus less important components, and quality of content among the plethora of options available. It may require someone to go through the content patiently.

And hence it is recommended that for courses recommended in the curriculum, a course mapping may be suggested for the benefit of colleges by the University.

1.4. Evaluation

In Modes 1, 2, and 3, the complete evaluation is local, and hence there is no issue. In Mode 4, we need to consider an external evaluation and use that internally. This is a challenge. There is a difference in how to handle this in a University versus an affiliating college. In a University, a simple way of handling this would be to assign a Pass/Fail grade to the student. In case of an affiliating college, where only the internal marks need to be forwarded to the University, one could consider the external evaluation since it impacts only 30% of the marks, and the University will anyway have its own exam of 70% marks.

There are other models like normalizing the external evaluation to the college's internal policy or average distribution of marks in other courses.

It is assumed that in Mode 4, there is a formal way of communicating performance of the student by the provider of the online courses since colleges/Universities will not accept screen shots, emails, etc.

1.5. Other Issues

a) **Financial:** If there is a fee to be paid for online content, the college should have a policy on that. Typically, if the savings due to reduced faculty requirements are significant, then the fees for the online provider shall be reimbursed by the college.

b) **Teaching Load:** Faculty member supporting the course whether by taking a few discussion sessions (in Mode 2) or by evaluating the students (in Mode 3) is still putting in substantial effort in managing the course, and an appropriate credit should be given to the faculty member when his/her teaching load is computed.

c) **Training the teacher:** When a course is being done in Mode 3, the local faculty member should also be expected to register for the course and go through the course (with load being appropriately counted). After a faculty member has gone through the course in two academic sessions, he/she would be well prepared to teach the course in the class in a much better way. Even if the course is being offered in Mode 4, there is no harm in asking a faculty member to register for the course and go through it. Some responsible person in the college would know the level of the course and what exactly students have done, and again, after two such sessions, the faculty member would be well prepared to teach the course. Hence this mode will also lead to better training of the teachers.

d) **Limits on Credits:** The University recommends that there should be a limit on the number of credits students can earn through online courses. In case of Mode 4, where even the evaluation is done by the online course provider, the proposed limit is 8 credits only. As the technology for online exams or the processes for evaluation by online providers improve over a period of time, this limit may be increased. In case of Mode 3 where the content is delivered online but evaluation is local, the limit can be high. For Mode 3 and Mode 4 combined, the limit can be what the regulatory bodies like UGC have announced for online courses, which is currently 40% of the total credits. In Modes 1 and 2 where the online content is really the reference material, there is no need for any limit.

Another constraint the committee would want the colleges to consider is that in a sequence of courses in one stream of Computer Science, at least one course should be in class. For example, if we consider the sequence of systems courses – Operating Systems, Databases, Networks, Architecture, at least one course should be in class. This is to ensure that if there were some gaps in online courses, the faculty in the face to face class can try to cover that to some extent.

e) **Faculty Incentive:** There is a need to provide some incentive to faculty members who would manage the course that is being taught in the online mode. If a course is being taught in Mode 2, the load on the faculty is only marginally less than the load of teaching an in person course. So the full teaching load should be considered for the faculty. In Mode 3, the load is much less, and in Mode 4, the load is only that we are asking the faculty to also go through the course along with the students. In these two modes, the college may consider this as reduced load. However, their learning the course may be treated as equivalent to having done a Faculty Development Program when it comes to their appraisal and promotions.

f) **Consideration in NBA Accreditation**: One of the prime reasons why online courses haven't become popular with colleges is that they must recruit faculty with a certain faculty to student ratio for accreditation and ranking. And once they have recruited faculty, one would always want the faculty to teach and not keep them under-loaded. If one can consider online courses as equivalent to faculty strength while deciding faculty-to-student ratio, then colleges would be attracted to online courses. A typical faculty member teaches about 100 students in a semester (across 2-3 courses). If 100 students do a course in Mode 4, we may consider this as equivalent to having one additional full time equivalent (FTE) faculty member on the rolls of the college for that semester. Similarly, if 200 students do a course in Mode 3, we may consider this as equivalent to having one additional FTE faculty member for that semester.

g) Online offering of AICTE Model Curriculum Courses by Experts

It is known that a significant number of colleges do not have adequately qualified faculty to teach the courses in the model curriculum properly. This proposal tries to alleviate this challenge by utilizing our newly acquired comfort level with online education. Essentially, the suggestion is that AICTE incentivizes top faculty to offer the AICTE model courses online and publishes a calendar of such courses well in advance, so colleges/HEIs can use them for teaching the AICTE curriculum.

The following would be the salient features of the proposed scheme.

1. All the identified core courses and later on some key electives of the AICTE curriculum may offered regularly (maybe every semester) with a predefined calendar enabling colleges to plan to use them for their students.

2. For each course AICTE identifies through a process a set of "Distinguished National Technical Teachers" who are subject experts and who also have experience teaching the course at the undergraduate level.

3. These "Distinguished Teachers" are offered financial reward for offering one course online once every 2 to 3 years. The reward must be substantial to make it prestigious as well as attractive. Suitable funding is also made available to the instructor for engaging TAs for help sessions as well as laboratory exercises.

4. AICTE can also recognize industry professionals in the panel of distinguished faculty as they can make these courses more interesting and industry oriented. They could teach jointly with

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academics appointed as Distinguished Teachers and handle certain components of the course. The Distinguished Teachers will be encouraged to actively invite guest faculty from industry and/or professional associations (e.g., ACM) to give lectures in these courses to make them more interesting and industry oriented.

5. There is a registration procedure for colleges (not individual students) to register for making this course available to their students. They should also commit to assigning an instructor for coordinating classes including infrastructure, conducting assessments, help in grading etc.

6. Colleges may be asked to pay a reasonable amount as registration charges so that the scheme is self-sustaining.

7. This will be an AICTE scheme for teaching its model curriculum courses by experts. It can be managed by AICTE directly, or it can offer it to another institutions/consortium to manage them. Any platform (e.g., NPTEL) can be used to deliver these courses.

This approach differs from the currently available online courses from NPTEL and other platforms substantially.

1. Syllabus for each course is the approved AICTE syllabus.

2. The courses would be available against a set calendar each semester making it possible for colleges to rely on them.

3. It empowers the college rather than individual students to make use of the online course in a "mixed" mode and thus addresses the deficiency of expertise in specific areas in that college.

4. With suitable incentive (both prestige and financial) top experts may be motivated to offer these courses.

Annexure – V:

The Regulations Governing the Academic Bank of Credits: (to be framed)



Annexure – VI:

ASSESSMENT AND EVALUATION IN SPECIFIC COURSES

[Recommendations of the Joint Board of Studies]

22OB A6.1. CIE and SEE Assessment in Specific Courses:

Examination and Evaluation for all the courses shall be done as specified under Sections 22OB 4.1, 22OB 4.2 and 22OB 4.3 of this Regulations for SEE and CIE. However, for some specific courses, the procedure is made clear in the following sections.

22OB A6.1.1. CAED

The CIE marks for CAED course offered in the 1st year shall be assessed as follows:

1) The CIE marks awarded in the case of Drawing shall be based on weekly evaluation of the classwork (sketching and computer- aided drawing) with each drawing evaluated as mentioned module-wise in the syllabus. The marks for all the drawing sheets are added and scaled down to **30 marks**.
2) One class test similar to SEE will be conducted after completion of the syllabus for 100 marks and scaled down to **20 marks**.
3) CIE marks (out of 50) scored by the student is the sum of classwork evaluation and test marks.

22OB A6.1.2. Engineering Graphics/ Drawing /Field Works

1) **Engineering Graphics and Drawing (Laboratory Course)**
   a) The CIE marks awarded for higher semester Engineering Graphics/ Drawings/ Design Drawings offered by various branches shall be based on the evaluation of the sheets and one test in the ratio 80:20. Method of assessing the CIE for such courses shall as per the scheme of Teaching and Evaluation of the course.
   b) The SEE shall be conducted and evaluated for a maximum of marks 100. Marks obtained shall be accounted for SEE final marks, reducing it by 50%.
      (i) SEE will be conducted by the two examiners of the same institute appointed by the Principal.
      (ii) Question paper shall be set jointly by both the Examiners and made available for each batch as per schedule. Examiners may refer question bank for this purpose.

(iii) Evaluation shall be carried out jointly by both examiners as per the scheme of Teaching and Evaluation.

2) **Field Works**

a) Field works include Surveying Practice/ Socio-Economic survey/ Marketing survey/ traffic survey/environmental survey. The CIE marks shall be split into two components with 80% of maximum marks (40 marks) are considered for fieldwork report evaluation and 20% of maximum marks (10 marks) for internal assessment test evaluation.

Fieldwork evaluation includes attendance, data collection through survey, use of datafor design drawing, and report. The split-up of marks for the report shall be decidedby the faculty member who is guiding them for the design drawing and report. The criteria for split-up of marks shall be done to achieve the course outcomes. The report evaluation shall be carried out for 100 marks and scored marks shall be scaled down to 40 marks.

The assessment shall be through a presentation of the report followed by the viva-voce. This test shall be conducted by the fieldwork project guide and fieldwork coordinator. If the fieldwork coordinator happens to be the same faculty, then, HOD or senior faculty member will conduct the test with the guide. A test similar to SEE shall be conducted for 100 marks and marks scored shall be scaled down to 10 marks.

The sum of the report and test marks shall be the total CIE marks for fieldwork.

b) SEE for fieldwork Conducted by the two examiners of the same institute appointed by the University. Report and design drawing evaluation and viva-voce are in the ratio of 60:40. Fieldwork will be jointly evaluated by the Internal and External examiners and the duration of SEE shall be three hours.

22OB A6.1.3. Practical Courses:

1) **CIE for Practical Work Courses**

a) CIE marks for a practical course shall be 50 Marks. The split-up of CIE marks for record/ journal and test to be split in the ratio 60:40.

(i) Each experiment to be evaluated for conduction with observation sheet

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and record write-up. Spit up of marks for the evaluation of the journal/write-up for hardware/software experiments designed by the faculty who is handling the laboratory session and shall be made known to students at the beginning of the practical session.

(ii) Record shall contain all the specified experiments in the syllabus and each experiment write-up be evaluated for 10 marks.

(iii) Total marks scored shall be scaled downed to 30 marks (60% of maximum marks).

(iv) Weightage to be given for neatness and submission of record/write-up on time.

(v) Department shall conduct one test for 100 marks, after the completion of the experiments.

(vi) In test write-up, conduction of experiment, acceptable result, and procedural knowledge shall carry a weightage of 60% and the rest 40% for viva-voce.

(vii) The suitable split up of marks can be designed to evaluate each student's performance and learning ability.

(viii) The test marks out of 100 shall be scaled down to 20 marks (40% of the maximum marks).

The Sum of scaled-down marks scored in the report write- up/journal and marks of the test shall be the total CIE marks scored by the student.

b) Internal tests for laboratory courses with software experiments shall be conducted for a total of 100 marks at the end of the semester, jointly by the class Teacher and a Senior faculty nominated by the Principal.

In this evaluation, Observation, write-up of procedure/ Algorithm/ program, and execution of experiment shall be assessed for 80 marks and the Viva-voce for 20 marks.

Marks scored out of 100 shall be scaled down to 50 marks.

2) SEE for Practical Work Courses

1) The SEE marks for the practical courses shall be 50 Marks.

2) SEE shall be conducted jointly by the two examiners of the same institute

appointed by the University.

3) All laboratory experiments are to be included for practical examination.
4) Breakup of marks and the instructions printed on the cover page of the answer script are to be strictly adhered to by the examiners. **OR**
   Based on the course requirement, a split-up of marks for evaluation shall be decided jointly by the examiners.
5) Students shall pick one question (experiment) from the questions pool prepared by the examiners jointly.
6) Evaluation of write-up/ conduction procedure and result/viva will be conducted jointly by the examiners.
7) The split-up of maximum allocated marks for SEE are:
   (i) procedure/ writeup 20%,
   (ii) Conduction and result 60%,
   (iii) Viva-voce 20%
8) SEE for the practical course shall be evaluated for 100 marks and scored marks shall be scaled down to 50 marks.
9) Change of experiment is allowed only once and 20% Marks allotted to the procedure/write-up part to be made zero (Evaluation is to be carried out for 80% of total maximum marks).
10) The duration of SEE shall be three hours.

22OB A6.1.4. Internship

1) The Internship shall be taken up during the period specified in the Scheme of Teaching and Examinations.
   The Department/ College shall nominate faculty member/s to facilitate, Guide, and supervise students under an internship.
   The students shall report the progress of the internship to the Guide in regular intervals and seek his/her advice. The Guide shall maintain the progress record of the candidates undergoing internship. Duration of the internship shall be as mentioned in the scheme of Teaching and Examination.
   The Internship examination shall be conducted at the end of the internship period.

2) **Report evaluation:**Internship shall be evaluated for 50% maximum marks. The split-up of marks suggested for report evaluation shall be based on,
   a) Report formatting (20% of marks of CIE for report)
   b) Presentation of the outcomes in the report (40% of marks for CIE for report) and
   c) Technical content of the report (40% of marks for CIE for report)

   Weightage shall be given for paper publication in reputed journals/refereed journals/ Conferences/Product developed/ Patent filed – only for Industry/ Research Internship.
3) **Viva-Voce** shall be conducted for 50% of marks of CIE. The split-up of marks suggested are:
   a) For demonstration of (soft) skills/Engineering Knowledge gained (50% of marks of CIE for Viva-voce).
   b) The question-answer session will check for the understanding of the fundamentals and concepts (40% of CIE marks for Viva-voce)
   c) Clarity in answering the questions (10% of CIE marks for Viva-voce)

   Viva-voce shall be conducted by the Mentor/ Guide and Head of the Department/ one of the senior faculty assigned by the Head of the department.
4) Those who do not complete the internship shall be declared Fail and shall complete it during subsequent University examinations after satisfying the internship requirements during subsequent semesters.

22OB A6.1.5. Seminar

1) The maximum marks prescribed for the Seminar and the evaluation process shall be notified by the University/ College before offering the course.
2) The Seminar performance evaluation shall be a part of CIE only in a course where required.
3) The Seminar shall be assessed as indicated below.
   a) The Head of the Department shall make arrangements for the conduct of seminars through a committee of faculty members of the Department. The committee, constituted for the purpose by the Head of the Department, shall award the CIE marks for the seminar. The committee shall consist of

three senior faculty members of the Department and the most senior among them shall be the Chairperson.

b) The marks awarded for Seminar shall be based on the evaluation of the Seminar Report, Presentation skill, and Viva-voce (Question & Answer session) in the ratio of 50:25:25.

c) Split up Marks to be assessed as follows:

(i) Report marks to be allotted by the seminar guide/s(50% of the maximum marks)

A). Formatting of the report (10% of maximum marks)

B). Literature survey (20% of maximum Marks) and

C). Technical content of the report (20% of maximum marks)

(ii) Seminar Presentation skill marks to be allotted by the committee: (25% of the maximum marks)

(iii) Viva-Voce marks to be allotted by the committee: (25% of the maximum marks)

A). Understanding of fundamentals and concepts (15%)

B). Clarity in answering the questions (10%)

22OB A6.1.6. Mini-Project

1) The Mini-Project performance of a student shall be evaluated under CIE only. The maximum marks rescribed for CIE shall be as mentioned in the Scheme of Teaching and Evaluation.

2) The Head of the Department shall make arrangements for the conduct of viva-voce evaluation of the mini-project. The committee shall consist of a Faculty guide/mentor and two senior faculty members of the Department and the most senior among them shall be the Chairperson.

3) The CIE marks awarded for Mini-Project, shall be based on the evaluation of the Mini-Project Report, Project Presentation skill, and Viva-Voce (Question and Answer session) in the ratio of 50:25:25.

4) The marks awarded for the Mini-Project report shall be the same for all the students of the batch.The faculty guide/ mentor guiding the Mini-project shall Evaluate the performance for 50% of the maximum marks of CIE for the

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report.

5) This committee shall evaluate Mini-project Work for the rest of 50% of the maximum marks considering performance in project presentation and Viva-Voce (question-answer session).
   a) Project presentation: 25% of maximum marks
   b) Viva-Voce (Question and answer session) :25% of maximum marks

22OB A6.1.7. Project Work

1) The project work shall be evaluated considering both CIE and SEE; The CIE and SEE marks shall be as mentioned in the Scheme of Teaching and Evaluation.
2) The CIE marks awarded for Project Work shall be based on the evaluation of the Project Report, Project Presentation skill, and Viva-voce in the ratio of 50:25:25.
3) The marks awarded for the Project report shall be the same for all the students of the batch.
4) The Head of the Department shall make arrangements for the conduct of Viva-Voce for evaluation of the project work. The committee shall consist of the faculty guide/mentor and two senior faculty members of the Department and the most senior among them shall be the Chairperson.
5) The faculty guide/ mentor guiding the project shall Evaluate the performance for 50% of the maximum marks of CIE for the report.
6) This committee shall evaluate Project Work for 50% of the maximum marks considering the project presentation and question-answer session.
   a) Project presentation: 25% of maximum marks
   b) Question and answer session: 25% of maximum marks

22OB A6.2. SEE Assessment in Specific Courses:

22OB A6.2.1. Theory Course with 4, 3 and 2 Credits

The SEE for theory courses shall be conducted by the University as per the scheduled timetable for all, with common question papers for the course. The duration of examination shall be three hours.

1) The question paper will have ten questions. Each question is set for 20 marks.

The medium of the question paper shall be ENGLISH unless otherwise it is mentioned.

2) There will be 2 questions from each module. Each of the two questions under a module (with a maximum of 3 sub-questions), should have a mix of topics under that module.
3) The students have to answer 5 full questions, selecting one full question from each module.
4) Marks scored will be proportionally scaled down to 50 marks.

22OB A6.2.2. Integrated Course (I/c) /Integrated Professional Core Courses (IPCC)

For a course where theory is integrated with Laboratory course, the SEE duration for the theory part shall be three hours, as specified in section **22OB 4.3.** However, the question paper in the SEE examination shall include at least one question from the Laboratory component.

22OB A6.2.3.Theory Course with 1 Credit

The SEE question paper shall have MCQ(multiple choice questions) set for 50 questions, each carrying one mark. The time duration for SEE is one hour.

22OB A6.2.6. Practical Work Courses

1) The SEE marks for the practical courses shall be 50 Marks.
2) SEE shall be conducted jointly by the two examiners of the University/ College appointed by the University.
3) All laboratory experiments are to be included for practical examination.
4) Breakup of marks and the instructions printed on the cover page of the answer script are to be strictly adhered to by the examiners. **OR**
   Based on the course requirement, a split-up of marks for evaluation shall be decided jointly by the examiners.
5) Students shall pick one question (experiment) from the questions pool prepared by the examiners jointly.
6) Evaluation of write-up/ conduction procedure and result/viva will be conducted jointly by the examiners.
7) The split-up of maximum allocated marks for SEE are:
   a) procedure/ writeup 20%,

b) Conduction and result in 60%,

c) Viva-voce 20%

8) SEE for the practical course shall be evaluated for 100 marks and scored marks shall be scaled down to 50 marks.

9) Change of experiment is allowed only once and 20% Marks allotted to the procedure/write-up part to be made zero (Evaluation is to be carried out for 80% of total maximum marks).

10) The duration of SEE shall be two or three hours.

22OB A6.2.7. Internship

1) SEE shall be conducted by the Internal and external examiners approved by the University. The internal examiner shall be the guide for SEE. The external Guide for the Internship shall be the external examiner for SEE.

2) Examination for internship shall be conducted at the college and the date shall be fixed in consultation with the external Guide. The Examiners shall jointly award the SEE marks.

3) In case the external Guide expresses his inability to conduct the Examination at the last moment, the Principal /Chief Superintendent appointed by the University for the concerned examination of the Institute shall appoint a senior faculty of the Department to conduct the Examination along with the internal Guide.

4) Split up of marks for evaluation may be the same as suggested for CIE or Internal and external examiners shall devise split up of marks for SEE and the same may be submitted to the University along with evaluation marks.

22OB A6.2.8. Project Work

1) The project work shall be evaluated for 200 marks with CIE of 100 marks and SEE of 100 marks.

2) The Project Work will be conducted by the two examiners one internal and one external examiner appointed by university.

3) SEE marks for the project shall be awarded using appropriate Rubrics based on the quality of work& report, presentation skills, and viva- voce in the ratio 50:25:25 respectively.

Annexure –VII:

Guidelines and Suggestive Activities under Activity Points

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Annexure-VIII

Evaluation Methods Illustrated using L:T:P

Programme Name:						
Scheme of Teaching and Evaluation: First Semester						
Sl. No.	**Code**	**Course**	**Category of Course**	**Teaching Faculty**	**Contact Hours/ week**	**Credits L-T-P = Total**
1	3BAS1 101					
2	3BAS1 102	Data Structures	DCC-2		3	3– 0 – 0 = 3
3	3BAS1 103	Programming for Problem Solving	DCC-3		5	3– 0 – 1 = 4
4	3BAS1 104					
5	3BAS1 105					
Total:						**20 - 0 - 0 = 20**

Table B: First Semester Template

Programme Name:						
Scheme of Teaching and Evaluation: First Semester						
Sl. No.	**Code**	**Course**	**Category of Course**	**Teaching Faculty**	**Contact Hours/ week**	**Credits L-T-P = Total**
1	3BAS1 101					
2	3BAS1 102					
3	3BAS1 103	Programming for Problem Solving	DCC-3		3	3– 0 – 0 = 3
4	3BAS1 104					
5	3BAS1 105					
6	3BAS1 106	Programming for Problem Solving Lab	DCC-3		4	0– 0 – 2 = 2
Total:						**20 - 0 - 0 = 20**

Table C: First Semester Template

Example Cases: A) L-T-P = 3-0-0 = 3 credits (3 contact hours)

B) L-T-P = 3-0-1 = 4 credits (5 contact hours)

C) L-T-P = 3-0-2 = 5 credits (7 Contact hours)

A. Possibile Situations: { All are under 'Heads of passsing'}

Case A1: 3-0-0 (Table B)

Case B1: 3-0-1. (Table B) [Integrated case]

Case B2: 3-0-0 and 0-0-1. [SEE internally for lab]

Case C1: 3-0-2 (Table C) [To be shown as separate Head of passing]

: 3-0-0 and 0-0-2. [SEE by University]

1) **Case A1:** 3-0-0 (Table B)

Theory CIE = A + B = (25+25) = 50. [22OB 4.2(1)= 22 OB 4.2(2) ← A; 22OB 4.2 (3) ←B]

If CIE ≥ 40%, then eligible for SEE. [22OB 4.2(5)]

CIE + SEE ≥ 40% for a Pass ('P' Grade)

2) **Case B1**: 3-0-1. (Integrated case) (Table B)

Theory CIE (T) = A + B = (5+20) = 25. [22OB 4.2(1)= 22 OB 4.2(2) ← A; 22OB 4.2 (3) ←B]

If CIE (T) ≥ 40%, then eligible for SEE. [22OB 4.2(5)]

Lab CIE (L) = A + B = (15+10) = 25 [22OB 4.2(1)= 22 OB 4.2(2) ← A; 22OB 4.2 (3) ←B]

If CIE (L) ≥ 40%, then eligible for SEE. [22OB 4.2(6)]

CIE + SEE ≥ 40% for a Pass ('P' Grade)

3) **Case B2:** 3-0-1 (Not Integrated case) (Table B)

Theory CIE (T) = A + B = (25+25) = 50. [22OB 4.2(1)= 22 OB 4.2(2) ← A; 22OB 4.2 (3) ←B]

If CIE ≥ 40%, then eligible for SEE. [22OB 4.2(5)]

Lab CIE (L) = A + B = (25+25) = 50 [22OB 4.2(1)= 22 OB 4.2(2) ← A; 22OB 4.2 (3) ←B]

If CIE (L) ≥ 40%, then eligible for SEE. [22OB 4.2(6)]

CIE + SEE ≥ 40% for a Pass ('P' Grade)

4) **Case C1**: 3-0-2 (Table C) [Shown as separate Head of passing 3-0-0 and 0-0-2] **[SEE for theory and Lab conducted by University]**

Theory CIE (T) = A + B = (25+25) = 50. [22OB 4.2(1)= 22 OB 4.2(2) ← A; 22OB 4.2 (3) ←B]

If CIE ≥ 40%, then eligible for SEE. [22OB 4.2(5)]

Lab CIE (L) = A + B = (25+25) = 50 [22OB 4.2(1)= 22 OB 4.2(2) ← A; 22OB 4.2 (3) ←B] If

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CIE (L) ≥ 40%, then eligible for SEE. [22OB 4.2(6)]

CIE + SEE ≥ 40% for a Pass ('P' Grade)

IPCC-Case B1: 3-0-1. (Integrated case) (Table B)

Theory CIE (T) = A + B = (25+25) = 50. [22OB 4.2(1)= 22 OB 4.2(2) ← A; 22OB 4.2 (3) ←B]

If CIE (T) ≥ 40%, then eligible for SEE. [22OB 4.2(5)]

Lab CIE (L) = A + B = (25+25) = 50 [22OB 4.2(1)= 22 OB 4.2(2) ← A; 22OB 4.2 (3) ←B]

If CIE (L) ≥ 40%, then eligible for SEE. [22OB 4.2(6)]

CIE + SEE ≥ 40% for a Pass ('P' Grade)

Assessment Details (both CIE and SEE)

I Para: ---

CIE + SEE = 50% + 50% = 100 %

= 40% (20/50) + ≥ 35% (18/50),

CIE +SEE ≥ 40% (40/100) ,

II Para: CIE (T) = (50)

CIE(T) = A+B = 25 + 25 =50

(25) = > 20 + 20

Theory CIE (T) = A + B = (25+25) = 50. [22OB 4.2(1)= 22 OB 4.2(2) ← A; 22OB 4.2 (3) ←B]

If CIE (T) ≥ 40%, then eligible for SEE. [22OB 4.2(5)]

Lab CIE (L) = A + B = (25+25) = 50 [22OB 4.2(1)= 22 OB 4.2(2) ← A; 22OB 4.2 (3) ←B]

If CIE (L) ≥ 40%, then eligible for SEE. [22OB 4.2(6)]

CIE + SEE ≥ 40% for a Pass ('P' Grade)

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
"ವಿಟಿಯು ಅಧಿನಿಯಮ ೧೯೯೪ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ
"ಜ್ಞಾನ ಸಂಗಮ", ಬೆಳಗಾವಿ-೫೯೦೦೧೮, ಕರ್ನಾಟಕ, ಭಾರತ

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Ref: VTU/BGM/BOS/SO2/2021-22/519 Date: 03 MAY 2022

NOTIFICATION

Subject: Regulation Governing B.E./B.Tech., programs under CBCS from academic year 2021-22 regarding...

Reference

1. EC Proceeding no. 2.2.1 of 164th meeting held on 09.03.2022
2. EC Proceeding no. 2.2.1 of 165th meeting held on 26.04.2022

The regulations governing B.E./B.Tech., programs Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS) effective from the Academic Year 2021-22 are hereby notified. These regulations are applicable to all the students who are admitted to B.E./B.Tech. programs from the academic year 2021-22 for regular students and for lateral students admitting in the year 2022-23 and onwards.

All the Principals of Constituent /Affiliated Autonomous / non-Autonomous colleges coming under the ambit of University are hereby informed to bring the content of this notification to the notice of all concerned.

By Order,
Sd/-
REGISTRAR

To,

1. All the Principals of Constituent /Affiliated Autonomous / non-Autonomous colleges coming under the ambit of University
2. The Chairperson, Department of Mechanical Engineering/Computer Science and Engineering of University

Copy to:

1. Hon'ble Vice-Chancellor through the Secretary to VC, VTU, Belagavi for kind information
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REGISTRAR

Regulations Governing the Degree of Bachelor of Engineering/Technology (B.E./B.Tech.) Effective from the Academic Year 2021-22

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Definitions of Keywords

The following are the definitions/descriptions that have been followed for the different terms used in the Regulations of B.E./B.Tech. Programs:

1. **Program:** This is an educational program in a particular stream/ branch of Engineering/branch of specialization leading to the award of the Degree. It involves events/activities, comprising of lectures/tutorials/laboratory work/fieldwork/outreach activities/project work/vocational training/viva-voce/ seminars/ internship/assignments/ presentations/ self-study, etc., or a combination of some of these.
2. **Semester:** Refers to one of the two sessions of an academic year (vide: serial number 3), each session being of sixteen weeks' duration (with not less than 90 working days). The odd and even semesters shall be as per the University academic calendar.
3. **Academic Year:** Refers to two consecutive semesters (odd followed by an even) sessions, including intervening periods.
4. **Course:** Usually referred to as subject and is a component of a Program. All Courses may not carry the same weightage. Each Course will have course objectives and course outcomes. A Course may be designed to comprise lectures/ tutorials/ laboratory work/ fieldwork/ outreach activities/project work/ vocational training/ viva-voce/ seminars/ term papers/assignments/ presentations/ self-study components etc., or a combination of some of these.
5. **Credit:** Refers to a unit or weightage by which the Coursework is measured. It represents the number of hours of instructions prescribed per week. One credit is equivalent to one hour of lecture or two hours of laboratory/practical Courses/ tutorials/ fieldwork etc., per week.
6. **Choice Based Credit System (CBCS):** The education model refers to customizing the Coursework, through Core, Professional Elective, Open Electives, Skill-based ability Enhancement Courses, Non-Credit Mandatory Courses, and Internships to provide the necessary support for the students to achieve their goals.
7. **Course Registration:** Refers to formal registration to Courses of study in every semester by every student under the supervision of a Faculty Advisor (also called Mentor, Counsellor, Class teacher, etc.), in the Institution to maintain the proper record. Registration to the University portal is mandatory.

8. **Course Evaluation:** Represents the measurement of the impact of the teaching-learning process and offers an opportunity for improving the quality of learning in courses and teaching performance. Courses evaluation is done by adopting different methods such as tests, quizzes, assignments, etc., during the teaching-learning period at the end of some modules or chapters of syllabus contents and at the end of the semester. While the former part of the evaluation is called the Continuous Internal Evaluation (CIE) and the later part of the evaluation is called Semester End Evaluation (SEE).
9. **Continuous Internal Evaluation (CIE)**(also known as formative assessment): Refers to the evaluation of students' performance in the course during the teaching-learning process. CIE shall be done by the faculty teaching course and evaluation components may include tests, assignments, group discussion, quizzes, course-specific projects, seminars, etc., conducted during the semester tenure with a weightage for different activities as specified by the University.
10. **Semester End Examinations Evaluation (SEE)** (also called summative assessment): Refers to the examinations conducted by the University covering the entire Course Syllabus. For this purpose, Syllabi shall be modularized, and SEE questions shall be set from each module as specified by the University.
11. **First Attempt:** Refers to some students who have studied in a current semester and have attended any one of the University examinations of that semester after satisfying attendance and CIE requirements of all the prescribed courses of that semester and registering for SEE. Such an attempt shall be considered as the first attempt. Even if students absent themselves for all the semester examinations after registering for SEE, such an attempt shall also be considered the first attempt.
12. **Credit Representation:** Refers to the Credit Values for different academic activities considered, as per Table-1. Credits for the seminar, project phases, project viva-voce and internship shall be as specified in the Scheme of Teaching and Examinations.

Table-1, Calculation of Credits

Credit Values				
Theory/Lectures (L) (hours/week/Semester)	**Tutorials (T) (hours/week/Semester)**	**Laboratory/ Practical (P) (hours/week /Semester)**	**Credits (L:T:P)**	**Total Credits**
4	0	0	4:0:0	4
3	0	2	3:0:1	4
2	2	2	2:1:1	4
3	0	0	3:0:0	3
2	2	0	2:1:0	3
2	0	2	2:0:1	3
0	0	6	0:0:3	3
2	0	0	2:0:0	2
1	0	0	1:0:0	1
0	2	0	0:1:0	1
0	1	1	0:0.5:0.5	1
0	0	2	0:0:1	1

NOTE: Activities like practical training, study tour, and participation in Guest lecturers do not carry Credits.

13. **Non-Credit Mandatory Course (NCMC):** In the case of non-credit mandatory courses, students shall attend the classes during the respective semesters to satisfy the attendance requirements and as well as CIE requirements. In case, any student fails to register for the said course/fails to secure the minimum 40% of the prescribed CIE marks, he/she shall be deemed to have not satisfied. In such a case, the student has to fulfill the requirements during subsequent semester/s to appear for CIE. These Courses shall not be considered for CGPA calculation and vertical progression, but completion of the courses shall be mandatory for the award of degree.
14. **Letter Grade:** Course Letter Grade (or simply letter grade or grade) is an index of performance of a student in a said course and refers to a qualitative measure of achievement of a student in each course, based on the percentage range of marks secured in CIE and SEE put together or CIE alone. Grades are denoted by letters O, A, B, C, D, E, and F. The rubrics attached to letter grades are as follows:

O – Outstanding, **A+** – Excellent, **A** – Very Good, **B+** – Good, **B** – Above Average, **C** – Average,

P- Pass and **F** – Fail. If a student remains absent for SEE of any of the course/s, the letter grade assigned to that course shall be **F**. If a student is not eligible for appearing, SEE due to non-comply of any of the course/s then the letter grade assigned against that course shall be **NE**

15. **Grade Point (GP):** Refers to a numerical weightage allotted to each letter grade on a **10**-point scale against a preconceived range of percentage of marks secured by students in a course as shown in Table 2.

Table 2, Letter Grade and corresponding Grade Points on a typical 10 – Point scale

Letter Grade and corresponding Grade Points on a typical 10 – Point scale								
Letter Grade	**O**	**A+**	**A**	**B+**	**B**	**C**	**P**	**F**
	Outstanding	Excellent	Very Good	Good	Above Average	Average	Pass	Fail
Grade Point	**10**	**9**	**8**	**7**	**6**	**5**	**4**	**0**
% of Marks secured	90-100	80-89	70-79	60-69	55-59	50-54	40-49	0-39

16. **Passing Standards:** Refers to passing a Course only when GP is greater than or equal to **04**.
17. **Credit Point:** This is the product of GP and number of credits for a Course i.e.,
    Credit points (CrP) = GP × Credits for the Course.
18. **Semester Grade Point Average (SGPA):** Refers to the measure of a student's academic performance in a semester. It is the weighted average or weighted mean of the grade points obtained by a student in the various courses of any semester. It results in a number that lies between 0 and 10.
19. **Cumulative Grade Point Average (CGPA):** This is a measure of the cumulative performance of a student of all semesters and is computed from the 2nd semester onwards. It is a measure of the overall cumulative academic performance of a student over the entire span of the academic program. CGPA is not an arithmetic mean a but weighted mean. It is also a number that lies between 0 and 10.
20. **Grade Card:** Refers to the certificate showing the grades earned by a student. A grade card shall be issued to all the registered students after every semester-end examination. The grade card shall have the Program details (Course code, title, number of credits, grades secured, number of attempts, and alternate course taken instead of successive failure after 4 attempts) along with the SGPA of that semester and CGPA (except for the first semester) earned till that semester.

21. **Academic Bank of Credits (ABC):** The Academic Bank of Credits (ABC), is a national-level facility which will promote the flexibility of the curriculum framework and interdisciplinary/multidisciplinary academic mobility of students across the HEIs in the country with appropriate "credit transfer" mechanism.
22. **Multiple Entry Multiple Exit:** The multiple entries and exit points in the academic programs offered at Higher Education Institutions (HEIs) would remove rigid boundaries and create new possibilities for students. There are occasions when learners have to give up their education mid-way for various reasons. To facilitate flexible learning within the stipulated period (eight years for regular students and 06 years for lateral entry students), multiple exist and entry options are given to the needy students. The student can exit from the program only at the end of the even semester/s (2nd, 4th, and 6th semester) and the entry option is provided to the students at the beginning of the odd semester/s (3rd, 5thand 7th semester).
23. **University:** Visvesvaraya Technological University (VTU), Belagavi.

21OB1.0	**Title and Credits of the Program of Study.**	
	21OB1.1	The Program of study shall be called the degree of Bachelor of Engineering/Bachelor of Technology, abbreviated as B.E./B.Tech.
	21OB1.2	**Prescribed Number of Credits for the Program** **(a)** The total number of credits to be earned by students admitted to the first semester of 04 years B.E./B.Tech., the program shall be **160.** **(b)** The total number of credits to be earned by students admitted to the third semester of 04 years B.E./B.Tech., program under lateral entry scheme shall be **120.** **(c)** A student shall be eligible to obtain an Undergraduate degree with **Honours / Minors,** if he/she earns minimum additional **18** credits, as specified by university norms from time to time regarding the earning of additional credits[To be read along with Regulations Governing the Award of Honors/ Minors in B.E./B.Tech., Degree Programs].
	21OB1.3	**(a) Definition of Credits:** 1. 1-hour Lecture (L) per week per semester =1 Credit 2. 2 hours Tutorial / (T)per week per semester =1 Credit 3. 2 hours Practical/Laboratory/Drawing (P) per week per semester =1 Credit. 4. Four-credit theory courses shall be designed for 50 hours of the Teaching-Learning process. 5. Three-credit theory courses shall be designed for 40 hours of the Teaching-Learning process. 6. Two-credit theory courses shall be designed for 25 hours of the Teaching-Learning process 7. One credit theory course shall be designed for 15 hours of the Teaching-Learning process
21OB2.0	**Academic Eligibility for Admission**	
	21OB2.1	**Admission to 1st year: Eligibility for candidates who have Passed Second PUC or equivalent** I. As notified by the Government of Karnataka from time to time II. Those students, who have passed a qualifying examination other than

		the PUC II examination of the Pre-University Education Board of Karnataka, have to obtain an eligibility certificate for seeking admission to 1st year B.E./B.Tech. Degree Program from Visvesvaraya Technological University, Belagavi.
	21OB2.2	**Admission to 2nd year (Lateral Entry): Eligibility for candidates who have Passed a 3-years Diploma in Engineering and B.Sc. Degree** I. As notified by the Government of Karnataka and university from time to time for admission to 3rd-semester B.E./B.Tech., degree program II. Those candidates who have completed Engineering Diploma from other than Karnataka state shall submit the Equivalence/ Eligibility Certificate issued from the Director of Technical Education, Karnataka.
	21OB2.3	**Qualification earned from foreign countries:** With regard to the qualification earned from foreign countries, an equivalence certificate from the University/ Association of Indian Universities is mandatory for admission to B.E./B.Tech. Programs. In case of any dispute about the equivalence in qualification earned from foreign countries, the decision of the University in this regard shall be final and binding on all concerned.
21OB3.0	**Minimum and Maximum Duration of the Program**	
	21OB3.1	Students admitted to first-semester B.E./B.Tech., shall complete the program within eight academic years from the year of the first admission, failing which they will not be eligible for the award of a degree Students admitted to third semester B.E./ B.Tech., under the lateral entry category shall complete the program within six academic years from the year of the first admission, failing which they will not be eligible for the award of degree.

21OB4.0	**Courses and Course Registration**	
	21OB4.1	There shall be the following types of Courses: (a) Humanities, Social Sciences, and Management Courses (**HSMC**): These are mandatory for all disciplines.
		(b) Basic Science Courses (**BSC**): Physics, Chemistry, and Mathematics. These are mandatory for all disciplines.
		(c) Engineering Science Courses (**ESC**): Materials, Workshop, Drawing, and Basics of Electrical/ Electronics/ Civil/ Mechanical/ Computer Engineering, etc. These are mandatory for all disciplines.
		(d) Professional Core Courses (**PCC**): These are the professional Core Courses, relevant to the chosen specialization/ branch. The core courses shall be compulsorily studied by students and it is mandatory to complete them to fulfill the requirements of a Program.
		(e) Professional Elective Courses (**PEC**): These are professional Electives, relevant to the chosen specialization/branch and can be chosen from the pool of courses. It shall be supportive to the discipline providing extended scope/enabling exposure to some other discipline /domain and nurturing student proficiency skills
		(f) Open Elective Courses (**OEC**): These are the Elective Courses from other technical areas and/ or from emerging fields. Students of other departments shall opt for these courses to fulfilling of eligibility and prerequisite mentioned in the syllabus.
		(g) Integrated Professional Core Courses (**IPCC**): It refers to Professional Theory Core Course Integrated with Practical of the same course. Credit for IPCC shall be 04 considering L: T: P as 3:0:1 or L:T:P as 2:1:1, (where L,T and P represents credits not hours per week)
		(h) Project Work: Mini-project and Project work carried out at the parent Institution or any university / Government recognized organization without affecting the regular class work.

		(i) Seminar: Each student has to present the seminar on specific topic chosen from the relevant field /list provided by the department under the supervision of a faculty coordinator.
		(j) Internship **(INT)**: The internship (a form of experimental learning) program not only helps fresh pass-outs in gaining professional know-how but also benefits corporate sectors. The internship also enhances the employability skills of the student passing out from Technical Institutions
		(k) Non-Credit Mandatory Courses **(NCMC)**: These Courses are mandatory, without the benefit of a grade or credit, passing in each mandatory Course is required to qualify for the award of degree.
		(l) Ability Enhancement Courses **(AEC):** These courses are designed to help students to enhance their skills in communication, language, and personality development etc. They also promote a deeper understanding of courses like social sciences, ethics, culture, human behavior human rights, and the law. Ability Enhancement Courses are based upon the content that leads to Knowledge enhancement.
		(m) Universal Human Values Courses **(UHV):** The courses which teach a holistic perspective based on self-exploration about themselves (human being), family, society, and nature. Understanding (or developing clarity) of the harmony in the human being, family, society, and nature. These are mandatory for all disciplines
	21OB4.2	**Course Registration:** In order to maintain a proper academic record at the Institution, every student shall register for the Courses of a semester (Credit) under the supervision of a Faculty Advisor (also called Mentor, Counselor, class teacher, etc.,) at the beginning of each semester. The registration of courses in each semester with the University portal is mandatory.

	21OB4.3	The minimum number of students registered to any professional Elective Course/Open Elective Course /Ability Enhancement course (from 3rd semester onward) offered by the Departments shall not be less than ten. In such cases. If the number of registrants for the elective course is less than 10, the college must seek permission from the Registrar (Evaluation) within 15 days from the date of commencement of the semester as per the academic calendar of the University, if that professional Elective Course/Open Elective Course/Ability Enhancement course is to be offered in that college.
	21OB4.4	A student shall exercise the option in respect of a higher semester professional Elective Course/Open Elective Course /Ability Enhancement course and register for the same at the end of the previous semester. However, the student may be permitted to opt for a change of Elective Course/s preferably within 15 days from the date of commencement of the semester as per the academic calendar of the University.
21OB5.0	**Attendance Requirement**	
	21OB5.1	Every prescribed course shall be considered as a unit for the calculation of attendance. All students are required to attend all the lectures, tutorials, practicals, and other prescribed curricular and co-curricular activities, and thus the attendance is 100%. However, the candidate has to put in a minimum attendance of 85% in each course with a provision for condoning up to 10% of the attendance by the Vice-Chancellor on the specific recommendations of the Principal of the college where the candidate is studying, based on medical grounds, participation in NSS/NCC/Red cross/National level Republic Day and Independence Day Parade/participation in University/State/ National/ International levels ports and cultural activities, seminars, workshops, paper presentation, etc., of significant value. The supporting documents for condoning the shortage of attendance shall be submitted through the office of the Principal along with the recommendations to the office of the Registrar (Evaluation).

	21OB5.2	**a)** The basis for the calculation of attendance shall be the period prescribed by the University by its academic calendar of events and as notified by the Registrar. **b)** In case of late admissions, approved by competent authority (KEA/DTE/VTU), to I semester (for the regular scheme) and III semesters (for lateral entry scheme) of Engineering Program, the attendance shall be reckoned from the date of admission to the Program.
	21OB5.3	The Course Instructor/ Mentor/Class-teacher or the College office shall inform the students as well as their parents /guardians about the attendance status every month. Students who are facing a shortage of attendance shall be mentored to make up for the shortage. The principal shall also notify every month, the list of candidates who are falling short of required attendance.
	21OB5.4	A student who does not satisfy the attendance requirement in one or more Courses (including bridge courses for lateral entry students) shall not be eligible to appear for the Semester End Examinations (SEE) of that course(s). The grade card for such courses shall be marked as NE (not eligible). The candidate shall be required to repeat that course/s whenever that course/s offered next.
	21OB5.5	If a student fails to satisfy the attendance requirement of the course/s of the semester, he/she will not be permitted to appear for SEE of that course/s. However, the student will be allowed to appear for the Semester End Examination (SEE) for other courses of the semester. The student will repeat the course/s in which he/she falls short of attendance only, whenever the course/s is offered next. These courses of shortage of attendance will not be considered for vertical progression.
21OB6.0	**Internship**	
	21OB6.1	**Internship:** The internship is an extended period of work experience undertaken by

university/Institute students looking to supplement their degree with professional development. The students are allowed to prepare themselves for the workplace and develop practical skills.

The Internship shall be completed during the period specified in the Scheme of Teaching and Examinations. There will be three internships:

1) **Inter/Intra Institutional Internship:** (In the case of the students admitted to 1st-year B.E./B.Tech. program) All the students admitted to engineering programs shall have to undergo a mandatory summer internship of 03 weeks during the intervening semester period of the II and III semesters. The internship shall include Inter / Intra Institutional activities (refer to Annexure-IV). CIE shall be carried out during the Internship period/III semester and prescribed marks shall be included in the IV semester grade cards.

   Inter/Intra Institutional Internship: (In case of students admitted under Lateral Entry): All the students admitted to engineering programs under the lateral entry category shall have to undergo a mandatory internship of 03 weeks during the intervening semester period of the III and IV semesters. The internship shall include Inter / Intra Institutional activities (refer to Annexure-IV). CIE shall be carried out during the Internship period/IV semester and prescribed marks shall be included in the IV semester grade cards.

   Inter /Intra Institutional Internship will have only CIE and no SEE.

2) **Innovation/Societal/Entrepreneurship-based Internship**: During the intervening period of IV and V semester the Internship of 04 weeks period shall be carried out in industries /Govt. organization/NGO/MSME. Focus may be given to Rural Internship/Innovative activities and Entrepreneurship (Social/Industrial). CIE shall be carried out during the Internship period/V semester and prescribed marks shall be included in the VI semester grade cards. **Innovation/Societal/Entrepreneurship based, will have only CIE and no SEE.**

3) **Research Internship/Industry Internship of 24 weeks duration:** At the beginning of the IV academic year, students can opt for VII semester course work or VII semester Internship depending on the opportunities available for enrolling to either Research Internship or Industry Internship. With reference to this, both VII and VIII semesters shall be in progress simultaneously. Research Internship / Industry Internship shall be carried out at Industry / government organizations, non-governmental organizations (NGOs)/ Micro, Small & Medium Enterprises (MSME) /Research and development organizations/Organizations of National or international repute/Institution Research Centers / Innovation and Incubation Centres/Start-ups /entrepreneur cells. The institution shall encourage students to take up (i) interdisciplinary Research Internship or Industry internship and (ii) rural internship, a work-based activity carried out to learn practical experiences in rural areas, for the upliftment of living standards. In case students want to undergo an internship at his/her family business, he/she shall be permitted to provide; a declaration by a parent that is submitted directly to the Principal of the Institution. With the consent of the internal guide and Principal of the Institution, students shall be allowed to carry out the internship at their hometown (within or outside the state or abroad), provided favourable facilities are available for the internship and the student remains regularly in contact with the internal guide.

University shall not bear any cost involved in carrying out the internship by students. However, students can receive any financial assistance extended by the organization.

University Viva-Voce examination shall be conducted at the end of the internship period. Research Internship /Industry Internship shall be considered as head of passing and shall be considered for the award of the degree. Those who do not complete the internship shall be declared fail and shall have to complete it during subsequent University

		examinations after stratifying the internship requirements during subsequent semesters. **Responsibilities of Department and Guides:** 1. The Department/college shall nominate department coordinator /staff member/s to facilitate, guide, and supervise students under internship. 2. The students shall report the progress of the internship to the Guide at regular intervals and seek his/her advice. The Guide shall maintain the progress record/diary of the candidates undergoing internship. 3. After the completion of the Internship, students shall submit a report with a completion certificate to the Head of the Department with the approval of internal Guides. 4. There shall be 100 marks for CIE for Inter/Intra Institutional Internship and Innovation/Societal /Entrepreneurship based Internship. For Research /industry internship 100 marks for CIE and 100 marks for SEE. The minimum requirement of CIE and SEE marks shall be 40% and 35% of the maximum marks respectively. In total, the student has to secure 40% of the course maximum marks i.e., the sum of the CIE and SEE marks prescribed for the course. 5. The internal Guide and one senior faculty shall be the internal examiners for CIE Inter/Intra Institutional Internship and Innovation/Societal /Entrepreneurship based Internship. 6. For Research /Industry Internship, External Guide for the Internship shall be the external examiner for SEE. Examination for internship shall be conducted at the college and the date shall be fixed in consultation with the external Guide. The Examiners shall jointly award the SEE marks. 7. In case, the external Guide expresses his/her inability to conduct the Examination, the Principal /examination Chief Superintendent of the Institute appointed by the University shall appoint a senior faculty of the Department to conduct the Examination along with the internal Guide.
21OB7.0	**Technical Seminar**	
	21OB7.1	**Technical Seminar:** Technical Seminar is one of the heads of passing.

		i. Each student has to present the seminar on a specific topic chosen from the relevant field /list provided by the department under the supervision of a faculty coordinator. ii. The Head of the Department/designated coordinator for technical seminar shall make arrangements for the conduct of seminars through a committee of faculty members of the Department. The committee constituted for the purpose of the Head of the Department, shall award the CIE marks for the seminar. The committee shall consist of three senior faculty members of the Department and the senior-most among them is to act as the Chairperson. **There is no SEE for the seminar.**
21OB8.0	**21OB8.1**	**Mini-Project:** A Mini Project is a laboratory-oriented course that will provide a platform to students to enhance their practical knowledge and skills by the development of small systems/applications Based on the ability/abilities of the student/s and recommendations of the mentor, a single disciplinary or a multidisciplinary Mini-project can be assigned to an individual student or a group having not more than 4 students. **There is only CIE and no SEE for Mini-Project.**
	21OB8.2	**Project Work:** Based on the ability/abilities of the student/s and recommendations of the mentor, a single disciplinary or a multidisciplinary Major-project can be assigned to a group having not more than 4 students. The main project work needs to be taken up within the institute/ research laboratory/industry. It is desirable, that the outcome of the project work may be published /patented.
21OB9.0	**Continuous Internal Evaluation (CIE)**	
	21OB9.1	At the beginning of the semester, the course instructor or the faculty who is teaching the course shall have to announce the methods used for CIE. **Continuous Internal Evaluation Procedure:** The minimum CIE marks to be secured in all courses shall be 40% of the maximum marks for successful completion of courses having only CIE marks and appearing for SEE in case of courses having both CIE and SEE

		marks. (refer Annexure VIII)
	21OB9.1a	**Theory Courses (03 Credits):** Three Tests each of **20 Marks (duration 01 hour)** • First test at the end of 5th week of the semester • Second test at the end of the 10th week of the semester • Third test at the end of the 15th week of the semester Two assignments each of **10 Marks** • First assignment at the end of 4th week of the semester • Second assignment at the end of 9th week of the semester Seminar/quiz/group discussion suitably planned to attain the COs and POs for **20 Marks** (duration 01 hours) The total CIE marks shall be the sum of the marks secured in each of the tests, two assignments, and quiz/seminar/group discussion will be out of 100 marks and will be scaled down to 50 marks.
	21OB9.1b	**Integrated Professional Core Courses (IPCC):** Theory Integrated with practical Courses. **(4 Credits)** The CIE marks for the theory component of the IPCC shall be 30 marks and for the laboratory component 20 Marks. **CIE for the theory component of IPCC** Two Tests each of **20 Marks (duration 01 hour)** • First test at the end of 5th week of the semester • Second test at the end of the 10th week of the semester Two assignments each of **10 Marks** • First assignment at the end of 4th week of the semester • Second assignment at the end of 9th week of the semester **CIE for the practical component of IPCC** • On completion of every experiment/program in the laboratory, the students shall be evaluated and marks shall be awarded on the same day. The **15 marks** are for conducting the experiment and

		preparation of the laboratory record, the other **05 marks shall be for the test** conducted at the end of the semester. • The CIE marks awarded in the case of the Practical component shall be based on the continuous evaluation of the laboratory report. Each experiment report can be evaluated for 10 marks. Marks of all experiments' write-ups are added and scaled down to 15 marks. • The laboratory test **(duration 03 hours)** at the end of the 15th week of the semester /after completion of all the experiments (whichever is early) shall be conducted for 50 marks and scaled down to 05 marks. Scaled-down marks of write-up evaluations and tests added will be CIE marks for the laboratory component of IPCC for **20 marks**. • The minimum marks to be secured in CIE to appear for SEE shall be the 12 (40% of maximum marks) in the theory component and 08 (40% of maximum marks) in the practical component. The laboratory component of the IPCC shall be for CIE only. However, in SEE, the questions from the laboratory component shall be included. The maximum of 05 questions to be set from the practical component of IPCC, total marks of all questions should not be more than the 25 marks. The theory component of the IPCC shall be for both CIE and SEE.
	21OB9.1c	**Theory Course with 01 credit** Three Tests (preferably in MCQ pattern with 20 questions) each of **20 Marks (duration 01 hour)** 1. First test at the end of 5th week of the semester 2. Second test at the end of the 10th week of the semester 3. Third test at the end of the 15th week of the semester Two assignments each of **10 Marks** 1. First assignment at the end of 4th week of the semester 2. Second assignment at the end of 9th week of the semester

		Quiz/Group discussion/Seminar, any two of three suitably planned to attain the COs and POs for **20 Marks (duration 01 hours)** The sum of total marks of three tests, two assignments, and quiz /seminar/ group discussion will be out of 100 marks and shall be **scaled down to 50 marks**
	21OB9.1d	**Theory Course with 02 credits** **CIE will same as 1 credit theory course for the 1st and 2nd semester**; however, for **higher** semesters depending upon the type of the course, the CIE pattern may be MCQ type (100 questions) or the same as other core theory courses. **CIE methods /question paper is designed to attain the different levels of Bloom's taxonomy as per the outcome defined for the course.** At the beginning of the semester, the instructor/faculty teaching the course has to announce the methods of CIE for the course.
	21OB9.2 **21OB9.2a**	**Engineering Graphics/ Drawing /Field Works:** **Engineering Graphics /Drawing / Engineering Visualization Course** 1. The CIE marks awarded in the case of Drawing shall be based on the weekly evaluation of class work (sketching and computer-aided drawing). Each drawing will be evaluated for marks as mentioned module-wise in the syllabus. Marks for all the drawing sheets are added and scaled down to **30 marks.** 2. One class test similar to SEE will be conducted after completion of the syllabus for 100 marks and scaled down to **20 marks**. 3. CIE marks **(out of 50)** scored by the student shall the sum of class work evaluation and test marks. The CIE marks awarded for higher semester Drawings/ Design Drawings offered by various branches shall be based on the evaluation of the sheets and one test in the ratio 80:20.
	21OB9.2b	**Continuous Evaluation(CIE) of Field Work**

		Surveying Practice / Socio-Economic survey/ Marketing survey /traffic survey/ environmental survey. CIE marks will be split into two components 80% of maximum marks (40 marks) are given for fieldwork report evaluation and 20% of maximum marks (10 marks) for internal assessment test evaluation. Fieldwork evaluation includes attendance, data collection through survey, use of data for design drawing, and report. The split-up of marks for the report shall be decided by the faculty member who is guiding them for the design drawing and report. The criteria for split-up of marks shall be done to achieve the course outcomes. The report evaluation shall be carried out for 100 marks and scored marks shall be scaled down to 40 marks. The assessment shall be through a presentation of the report followed by the viva-voce. This test shall be conducted by the fieldwork project guide and fieldwork coordinator. If the fieldwork coordinator happens to be the same faculty then, HOD or senior faculty member will conduct the test with the guide. A test similar to SEE will be conducted for 100 marks and marks scored by the student will be scaled down to 10 marks. The sum of the report and test marks will be total CIE marks for fieldwork.
	210B9.3	**Practical Courses:** CIE marks for the practical course is **50 Marks**. The split-up of CIE marks for record/ journal and test are in the ratio **60:40**. • Each experiment to be evaluated for conduction with observation sheet and record write-up. Spit up of marks for the evaluation of the journal/write-up for hardware/software experiments designed by the faculty who is handling the laboratory session and shall be made known to students at the beginning of the practical session. (Split-up of marks for CIE is as suggested in Annexure-I) • Record should contain all the specified experiments in the syllabus and each experiment write-up will be evaluated for 10 marks. • Total marks scored by the students shall be scaled downed to 30

		marks (60% of maximum marks). • Weightage to be given for neatness and submission of record/write-up on time. • Department shall conduct 02 tests for 100 marks, the first test shall be conducted after the 8th week of the semester and the second test shall be conducted after the 14th week of the semester. • In each test, test write-up, conduction of experiment, acceptable result, and procedural knowledge will carry a weightage of 60% and the rest 40% for viva-voce. • The suitable split up of marks can be designed to evaluate each student's performance and learning ability (Split-up of marks is as suggested in Annexure-I). • The average of 02 tests is scaled down to **20 marks** (40% of the maximum marks). **The Sum of scaled-down marks scored in the report write-up/journal and average marks of two tests is the total CIE marks scored by the student.** Internal tests for laboratory courses with software experiments will be conducted for 100 marks Observation, write-up of procedure/ Algorithm/program, and execution of experiment will be assessed for 80 marks and Viva-voce for 20 marks. Scored marks out of 100 is scaled down to 50 marks
	210B9.4	**Internship:** The Internship shall be taken up during the period specified in the Scheme of Teaching and Examinations. The Department/ College shall nominate faculty member/s to facilitate, Guide, and supervise students under an internship. The students shall report the progress of the internship to the Guide in regular intervals and seek his/her advice. The Guide shall

maintain the progress record of the candidates undergoing internship.

Duration of Internships

- Inter/Intra Institutional Internship 03 weeks
- Innovation /Societal /Entrepreneurship based Internship 04 weeks
- Industry / Research Internship 24 weeks

There shall be only a CIE of 100 marks for Inter/Intra Institutional Internship and Innovation /Societal /Entrepreneurship based Internship.

Inter/Intra Institutional Internship and Innovation /Societal /Entrepreneurship based Internship (refer 21OB6.1, part B point 4 and 5). However, Research / Industry internship will have both CIE and SEE components (refers to 21OB6.1, part B point 6 to 9).

Report evaluation for Research / Industry internships shall be evaluated for 50% maximum marks - The split-up of marks suggested for report evaluation shall be based on the

- Report formatting (20% of marks of CIE for report)
- presentation of the outcomes in the report (40% of marks for CIE for report) and
- Technical content of the report (40% of marks for CIE for report)

(*Weightage may be given for paper publication in reputed journal/refereed journal/ Conferences/Product developed/ Patent filed -only for Industry/Research Internship*).

Viva-Voce conducted for 50% of marks of CIE. The split-up of marks suggested are

- For a demonstration of (soft) skills/Engineering Knowledge gained

		(50% of marks of CIE for Viva-voce). • The question-answer session will be checked for the understanding of the fundamentals and concepts (40% of CIE marks for Viva-voce) • Clarity in answering the questions (10% of CIE marks for Viva-voce) *Viva-voce will be conducted by the Mentor /guide and Head of the department /one of the senior faculty assigned by the head of the department*
	21OB9.5	**Technical Seminar:** **The Technical Seminar performance evaluation shall be through CIE only.** The Technical Seminar is one of the heads of passing. The maximum marks prescribed for CIE shall be 100. The marks awarded for Technical Seminar shall be based on the evaluation of the Seminar Report, Presentation skill, and Question and Answer session in the ratio of 50:25:25. Technical Seminar is one of the heads of passing. The Head of the Department shall make arrangements for the conduct of seminars through a committee of faculty members of the Department. The **committee**, constituted for the purpose by the Head of the Department, shall award the CIE marks for the seminar. The committee shall consist of three senior faculty members of the Department and the senior-most acting as the Chairperson. **Split up of Marks suggested** **Report marks to be allotted by the seminar guide/s** • Formatting of the report (10 marks) • Literature survey (20 Marks) and • Technical content of the report (20 marks) **Seminar Presentation marks to be allotted by the committee: (25 marks)** **Viva-Voce (Question answer session): 25 marks** • Understanding of fundamentals and concepts (15 marks) • Clarity in answering the questions (10 Marks)
	21OB9.6	**Mini – Project:** (also refer 21OB8.1 page 15)

		The Mini-Project shall be under CIE only. The maximum marks prescribed for CIE shall be 100. The CIE marks awarded for Mini-Project, shall be based on the evaluation of the Mini-Project Report, Project Presentation skill, and Question and Answer session in the ratio of 50:25:25. **The marks awarded for the Mini-Project report shall be the same for all the batch mates.** 50 marks of CIE for the report shall be evaluated by the faculty guide /mentor who is guiding the mini-project. The Head of the Department shall make arrangements for the conduct of viva-voce evaluation of the mini-project. The committee shall consist of a guide/mentor and two senior faculty members of the Department. This committee shall evaluate Mini-project Work for 50 marks considering project presentation and question-answer session. • Project presentation: 25 marks • Question and answer session:25 marks
	21OB9.7	**Project Work:** The project work shall be evaluated considering both CIE and SEE; the maximum mark for CIE is 100. The maximum marks prescribed for CIE shall be 100. The CIE marks awarded for Project Work shall be based on the evaluation of the Project Report, Project Presentation skill, and Question and Answer session in the ratio of 50:25:25. **The marks awarded for the Project report shall be the same for all the batch mates.** 50 marks of CIE for the report shall be evaluated by the faculty guide /mentor who is guiding the project work. The Head of the Department shall make arrangements for the conduct of viva-voce evaluation of the project work. The committee shall consist of a guide/mentor and two senior faculty members of the Department. This committee shall evaluate Project Work for 50 marks considering project presentation and question-answer session.

		• Project presentation: 25 marks • Question and answer session:25 marks Split-up of marks to be followed for evaluation is suggested in Annexure-II
	21OB9.8	The candidate shall write tests, assignments/unit-tests /written quizzes in Blue-Books, which shall be preserved by the Principal/ Head of the Department for at least 3 years after the announcement of University results and shall be made available for verification as per the direction of the Registrar (Evaluation).
	21OB9.9	**Maximum and Minimum CIE and SEE Marks:**
		The maximum CIE marks shall be 50. To appear for the SEE, the minimum CIE marks to be secured in all the courses shall be **40 % of the maximum marks.** Inter/Intra Institutional Internship and Innovation /Societal /Entrepreneurship based Internship, Technical Seminar, Mini-Project Works will have only CIE component, maximum CIE marks shall be 100. Minimum CIE marks to be secured shall be 40% of the maximum marks, to qualify in these courses. For Research Internship/ Industry Internship /Major Project the maximum CIE marks shall be 100. To appear the SEE, the minimum CIE marks to be secured shall be 40% of the maximum marks i.e., 40 out of 100 marks. **Maximum and Minimum SEE Marks:** The maximum SEE marks for Research /Industry Internship, Major Project Work is 100, and minimum SEE marks to secure shall be 35% of the maximum marks i.e. 35 marks. For remaining all the courses mentioned in the scheme of teaching and examination maximum SEE marks are 50 and minimum SEE marks to secure shall be 35% of the maximum marks i.e. 18marks No SEE component for Inter/Intra Institutional Internship and Innovation/Societal /Entrepreneurship based Internship, Technical Seminar and, Mini Project.
	21OB9.10	Any corrections or overwriting of CIE marks on the blue book/drawing sheet laboratory record etc., where CIE marks are awarded, shall bear the

		signature(s) of concerned Teacher(s) and the Head of the Department.
	21OB9.11	CIE marks shall reach the University before the commencement of examinations as per the notification from the office of the Registrar (Evaluation) from time to time. After submission of CIE marks to the University, any request under any circumstances for change of CIE marks shall not be considered.
	21OB9.12	i. Students satisfying the attendance requirement but failing to secure the minimum percentage of CIE marks, in any course/s, shall not be eligible for the SEE, conducted by the University and they shall be considered as fail in that Course /those Courses and marked as NE in the grade cards against this course/s. However, they can appear for University examinations conducted for other Courses of the same semester and backlog course/s if any. ii. Students who have satisfied the attendance requirement but not the CIE requirements can be permitted to register afresh and appear for SEE after satisfying the CIE requirements in the same Course(s) when offered during the next immediate semester/s or later. iii. Each appearance to SEE or absence after completing CIE and attendance requirements to complete a course shall be treated as an attempt. iv. The student shall be permitted to register for total courses not exceeding 28 credits. These 28 credits include the courses of the regular semester and backlogs. The registration of these additional credits includes the courses having a shortage of attendance and the courses whose CIE requirements are not fulfilled. A student has to pay the prescribed fee as notified by the University from time to time.
	21OB9.13	CIE marks of those students, who come under 21OB9.12 (i) and (ii), shall also be sent to the Registrar (Evaluation) along with other course CIE Marks.
	21OB9.14	i. The final list, incorporating corrections (if any), of CIE marks awarded to the students in the Theory/Practical/Internship/ Technical Seminar / Mini – Project Work/Major-Project Work shall be displayed on the

		notice board of the college much before the closure of the semester. ii. The college/institution shall enter the CIE marks of each semester in the format of the University online CIE marks portal and submit a certified copy of the same to the University Examination Section within the stipulated date notified by University. Every page of the CIE marks sheet (hardcopy) shall bear the signatures of the concerned Teacher/Teachers, Head of the Department, and Principal.
	21OB9.15	**Moderation Committee for CIE;** Moderation of assessment is an organized procedure that ensures the use of valid assessment methods and consistent application of criteria, to provide fair academic judgment and reliable outcomes in the form of marks or grades. It assures appropriate designing and implementation of assessment activities along with the generation of valid and reliable results. There shall be a Moderating Committee for Internal Assessments in every Department, which shall be chaired by the Head of Department and two senior faculty members to be nominated by the Principal. This Committee shall be responsible for the entire process of Internal Assessment in the Department, including redressal of grievances if any. ***Guideline for the moderation Committee-*** Moderation may be conducted after each test or after the tests in case there is a large number of fail grades or higher letter grades, or when large numbers of students who have received the same grade or clustering of students on letter grades, or when there are discrepancies between marks allocated to individual students in different courses, • Split-up of marks used for each of the different types of assessment in the course to be checked • Checking of the questions whether it maps with course outcomes. • Checking of the level of difficulty of questions paper i.e is difficulty level on the extremes, very easy or otherwise. • Whether the assessment modes are used to cover the entire syllabus or not.

		• Checking the manner of awarding the marks, i.e has correction been at the extremes, liberal or tough. Moderation should not be restricted to just assessment but also includes the assessment design (scheme of evaluation).
21OB10.0	**Semester End Examination (SEE) Marks and Passing Standards**	
	21OB10.1	a. University examination for all Courses under SEE shall be conducted for a maximum of 100 Marks. The marks secured by the students for 100 marks shall be proportionately **scaled down** to a maximum of 50 marks to add the same with the CIE marks for the award of the letter grade. b. The University examinations for all the Programs of study shall be conducted at the end of each semester. c. Students having no backlog course/s, may not have more than one examination on the same day. However, students having backlog course/s may face a situation where they may have 1. Two examinations scheduled at the same time of the day, 2. To take two examinations on the same day, one during the morning session and the other in the afternoon session, and 3. Examinations on consecutive days. d. As changing the examination dates is not an option, the examination timetable shall not be modified/ altered/ adjusted in any of the above three cases. In the first case, the students shall select any one of the clashing courses and in the second and third cases, the students shall manage the examinations as per their decision. e. For all theory Courses /drawing Courses of the Program, the **maximum SEE marks** shall be 50, the minimum SEE marks to be secured shall be 35 % of the maximum marks i.e., 18 marks f. For Practical/Fieldwork/ the maximum SEE marks shall be 50, the minimum SEE marks to be secured shall be 35 % of the maximum marks i.e., 18 marks. Inter/Intra Institutional Internship, Innovation /Societal /Entrepreneurship based Internship, Technical Seminar and Mini-Project is not having any SEE component.

		g. For 24 weeks of Research / Industry Internship /Major Project the maximum SEE marks shall be 100, the minimum SEE marks to be secured shall be 35% of the maximum marks i.e., 35 marks. h. **Students who satisfy the conditions (e), (f), and (g) above, and obtain any grade from O to P in a course shall be considered to have passed that course.** i. **A student shall be declared fail if he/she** • Fails to satisfy the conditions (h) above • Absents himself/herself to the University examination. • Is held guilty of examination malpractice and for any other reasons and declared the performance of any course/s as null and void by the competent authority. • The course/s in which student/s fail to satisfy attendance and CIE requirement (NE courses) are also considered as F only. j. If a student secures an F grade in any of the Courses, he/she shall reappear for that Course(s) during the subsequent SEE. The CIE marks awarded to the student at the first attempt in the concerned Course(s) shall be carried forward. Revised CIE marks are considered only in cases NE (not eligible to appear for SEE due to non-comply of attendance and CIE) cases. **The sum total of CIE and SEE marks must be 40% of the maximum marks prescribed for a course as per the scheme of teaching and examination.**
	21OB10.1a	**Theory Course with 3 Credits** Theory SEE will be conducted by University as per the scheduled timetable, with common question papers for the course(duration 03 hours) 1. The question paper will have ten questions. Each question is set for 20 marks. 2. There will be 2 questions from each module. Each of the two questions under a module (with a maximum of 3 sub-questions), **should have a mix of topics** under that module.

		The students have to answer 5 full questions, selecting one full question from each module.
	21OB10.1b	**Integrated Professional Core Courses (IPCC):**Theory Integrated with Practical Course SEE for the theory part (Duration 03 hours) is the same as that mentioned in serial no. 02 (**questions mentioned in the SEE paper shall include questions from the practical component**).
	21OB10.1c	**Theory Course with 1 Credit** SEE paper shall be set for 50 questions, each of 01 mark. The pattern of the question paper is MCQ (multiple choice questions). The time allotted for SEE is **01 hour**
	21OB10.1d	**Theory Course with 2 Credits** SEE paper will be set for 100 questions each of 01 mark. The pattern of the question paper is MCQ (multiple choice questions). The time allotted for SEE is **120 minutes.** Marks scored are scaled down to 50 Marks. The suggested question paper pattern is MCQ for the 1st and 2nd semester however, **for higher** semester/s depending on the type of the course SEE may be a written examination, a pattern similar to other theory courses as mentioned in clause 21OB10.1a
	21OB10.1e	**Engineering Graphics and Drawing(Laboratory Course)** SEE shall be conducted and evaluated for maximum marks 100. Marks obtained shall be accounted for SEE final marks, reducing it by 50% 1. SEE will be conducted by the two examiners of same institute one act as Internal Examiner and other act as External Examiner. 2. Question paper shall be set jointly by both Internal and External Examiner and made available for each batch as per schedule. Examiners may refer question bank. 3. Evaluation shall be carried out jointly by both the examiners as per the scheme.

		Scheme of Evaluation: To be defined by the examiners jointly as per VTU norms
	21OB10.1f	**Fieldwork** **SEE for fieldwork** Conducted by the Internal and External examiners appointed by University. Report and design drawing evaluation and viva-voce are in the ratio 60:40. Fieldwork will be jointly evaluated by the Internal and External examiners. The duration of SEE is 03 hours.
	21OB10.1g	**Practical Course** SEE marks for the practical course shall 50 Marks. SEE shall be conducted jointly by the two examiners of the same institute one act as internal and another as external examiner. Examiners are appointed by the University. • All laboratory experiments are to be included for practical examination. • Breakup of marks and the instructions printed on the cover page of the answer script to be strictly adhered to by the examiners. **OR** based on the course requirement, a split-up of marks for evaluation shall be decided jointly by internal and external examiners. • Students can pick one question (experiment) from the questions lot prepared by the internal /external examiners jointly. • Evaluation of write-up/ conduction procedure and result/viva will be conducted jointly by Internal and external examiners. • General split-up of marks for SEE mentioned are procedure / writeup-20%, Conduction and result in 60%, Viva-voce 20% of maximum marks. SEE for the practical course shall be evaluated for 100 marks and scored marks shall be scaled down to 50 marks (however, based on course type, split-up of the marks shall be decided by the examiners) • Change of experiment is allowed only once and 20% Marks allotted to the procedure/write-up part to be made zero (Evaluation is to be carried out for 80% of total maximum marks). The duration of SEE is 03 hours.

	21OB10.1h	**Research /Industry Internship** SEE shall be conducted by the Internal and external examiners approved by the university. The internal examiner shall be the guide for SEE. The external Guide for Internship shall be the external examiner for SEE. Examination for internship shall be conducted at the college and the date shall be fixed in consultation with the external Guide. The Examiners shall jointly award the SEE marks. In case the external Guide expresses his inability to conduct the Examination at the last moment, the Principal /Chief Superintendent appointed by the university for the concerned examination of the Institute shall appoint a senior faculty of the Department to conduct the Examination along with the internal Guide. Split up of marks for evaluation may be the same as suggested for CIE or Internal and external examiners shall devise split up of marks for SEE and the same may be submitted to the University along with evaluation marks.
	21OB10.1i	**Project Work:** As project work is evaluated for 200 marks (CIE: 100 marks, SEE:100 marks), the marks awarded in SEE for 100 marks must take as it is to decide the letter grade along with the CIE marks also awarded for 100 marks. SEE for Project Work will be conducted by the two examiners one internal and one external examiner appointed by University. SEE marks for the project shall be awarded based on the quality of report and presentation skill, participation in the question and answer session in the ratio 50:25:25 as per the University norms jointly by the examiners. Split up marks to be followed are suggested for CIE **or** Internal and external examiners shall decide the split-up of marks for SEE and the same may be submitted to the University along with evaluation marks
	21OB10.2	**Rejection of Result:** A student may, at his/her desire, can reject the total performance of a semester (including CIE marks) or reject only the result of his/her

		performance in University examinations (SEE) of a semester. The rejection is permitted only once during the entire Program of study.
	21OB10.3	Students who desire to reject the SEE results of a semester shall reject the total performance (irrespective of the earned Course grades) in all the Courses of the semester either rejecting or retaining the CIE marks. However, rejection of the performance of the VIII semester project shall not be permitted. Students who desire to reject the total SEE performance of an odd or even semester including CIE marks, have to repeat that odd or even semester of the prevailing scheme by taking **readmission** during the subsequent academic year/s. They shall also be governed by **readmission and Maximum duration clauses** (21OB14.1-7 and 21OB3.1) (i) If the rejection of SEE results excluding CIE marks is of the odd semester, students shall be allowed to take admission to the immediate next even semester. (ii) If the rejection of SEE results excluding CIE marks is of even semester, then students shall be allowed to take admission to the next odd semester (applicable only from 3rd semester onwards as per clause no. 21OB14.1-1). (iii) Readmission to odd/even semester shall not be considered as fresh admission and therefore students shall continue to have the same University Seat Number, which was allotted earlier. The maximum duration of the Program shall be counted with reference to the University Seat Number (USN). (iv) Applications for rejection of results excluding CIE and approval to reappear for University examinations shall be sent to the Registrar (Evaluation) through the Principal of the College within 30 days from the date of announcement of the results, with prescribed fee as notified by the university from time to time. Late submission of applications shall not be accepted for any reason. (v) Application for rejection of results including CIE and approval for

		readmission shall be sent to the Registrar through the Principal of the College within 30 days from the date of the announcement of the results with prescribed fee as notified by the university from time to time. Late submission of application shall not be accepted for any reason.
	21OB10.4	Registration for SEE is compulsory if the student/s has satisfied the attendance and CIE requirement of ODD /EVEN semester. In case, the students fail to register for SEE of the odd semester after satisfying the attendance and CIE requirements of the semester, they shall be permitted to move to an even semester of that academic year. However, such students have to register for odd semester examinations conducted at the end of the academic year for all the semesters and registration shall be considered for the first attempt. In case, students fail to register for odd semester SEE after completing successfully the even semester, they shall not be permitted to move to the higher odd semester of the subsequent academic year. Irrespective of student appearing for SEE, he/she has to register for SEE of odd and even semesters before completing the academic year.
	21OB10.5	Students who opt for rejection of results of University examination shall be eligible for the award of the degree and Minor Degree but not for the award of **ranks and Honors degree**.
21OB11.0	**Multiple Entry and Exit Option**	
	21OB11.1	**Entry 1**: (at 1st semester) A program of study leading to entry into the first year of the Bachelor's degree is open to those who have met the entrance requirements, including specified levels of attainment at the secondary level of education specified in the program admission regulations at clause no. 21OB2.1 **Exit 1**: The exit option is given to the student at the end of year 1 (after the 2nd semester). The student has to complete all academic requirements of 1st year of the undergraduate program and earned requisite credits of 1st and 2nd semester and recommendation of the counselling team of the Institute.

	21OB11.2	**Entry 2: (**at 3rd semester**)** A program of study leading to the second year of the Bachelor's degree is open to those who have met the entrance requirements, including specified levels of attainment, in the program admission regulations clause no. 21OB2.2. Admission to a program of study is based on the evaluation of documentary evidence (including the academic record) of the applicant's ability to undertake and complete a Bachelor's degree program. This option is open to those who have left after completion of the 1st year of the program and want to join back for the continuation of their study subject to the condition of a maximum duration of 8 years from the date of 1st admission. Student opting for multiple entries a3rd-semester level has to undergo a mandatory Summer Internship-I (21INT49) of 03 weeks during the intervening period of semester III and IV. CIE shall be conducted in the 3rd semester and prescribed credits earned for the internship shall be entered into the grade card of the IV semester. **Exit 2**: The exit option is given to the student at the end of year 2 (after the 4thsemester). The student has to complete all academic requirements to complete the two years of the undergraduate program and earned requisite credits of 1st 2nd3rd and 4thsemesters and recommendation of the counselling team of the Institute
	21OB11.3	**Entry 3**. This option is open to those who have left after completion of the 2nd year of the program and want to join back for the continuation of their study subject to the condition of a maximum duration of 8/6 years from the date of 1st admission. A program of study leading to the Bachelor's degree is open to those who have met the entrance requirements, including specified levels of attainment. Admission to a program of study is based on the evaluation of documentary evidence (including the academic record) of the applicant's

		ability to undertake and complete a Bachelor's degree program. Students opting for multiple entries at the 5th-semester level have to undergo mandatory Summer Internship-II (21INT69) of 04 weeks during the intervening period of semesters V and VI. CIE shall be conducted in the 5th semester and prescribed credits earned for the internship shall be entered into the grade card of VI semesters. **Exit 3.** (after 6th semester) On successful completion of three years, the relevant degree shall be awarded. The student has to complete all academic requirements to complete the three years of the undergraduate program and earned requisite credits of 1st to 6th semester and recommendation of the counselling team of the Institute.
	21OB11.4	**Counselling Team:** The students who choose to drop out (exit) undergo counselling to understand why they are making such decisions. The exit option is given to students only after the recommendation of the counselling team constituted by the Principal of the Institute.
21OB12.0	**Grading**	
	21OB12.1	The University adopts an absolute grading system wherein the marks are converted to grades, and every examination result shall be declared in terms of Semester Grade Point Average (SGPA) considering all the courses that appeared in that Semester End Examinations including backlog course/s or arrear papers (refers to courses other than the current semester courses that have not yet been completed) and Cumulative Grade Point Average (CGPA). The CGPA will be calculated for up to an academic session semester, except for the first semester.

21OB12.2 The grading system with the letter grades and the assigned range of marks under the absolute grading system shall be as given below:

Letter Grade and corresponding Grade Points on a typical 10 – Point scale								
Letter Grade	O	A+	A	B+	B	C	P	F
	Outstanding	Excellent	Very Good	Good	Above Average	Average	Pass	Fail
Grade Point	10	9	8	7	6	5	4	0
% of Marks secured	90-100	80-89	70-79	60-69	55-59	50-54	40-49	0-39

If a student remains absent for SEE of any of the courses, the letter grade assigned in the grade card to that course shall be **F**. If a student is not eligible to appear for SEE due to non-comply of any of the course/s then letter grade assigned against that course/s shall be **NE.**

In the case of all the courses of the program, the maximum CIE marks shall be 50 and the maximum SEE marks shall be 50. The minimum CIE marks secured shall be **40%** of maximum marks, i.e. 20 out of 50 marks for passing. The minimum SEE marks to be secured shall be **35 %** of the maximum marks i.e., 18 out of 50marks for passing. In total, the student has to secure **40 % of the course maximum marks i.e.,** the sum of the CIE and SEE marks prescribed for the Course.

21OB12.3 A student obtaining Grade F in a Course/s shall be considered to fail in that course/s and is required to reappear for the corresponding course/s in the subsequent SEE. Whatever the letter grade secured by the student in his /her reappearance shall be awarded. The number of attempts taken to clear courses/s shall be indicated in the grade card.

21OB13.0 Computation of SGPA and CGPA

21OB13.1 Computation of SGPA and CGPA

The following expressions shall be used to compute the Semester Grade

		Point Average (SGPA) and Cumulative Grade Point Average (CGPA) respectively: **SGPA** $= \frac{\sum[CourseCredits \times GradePoints]\, for all the Courses\ applied\ in\ that\ semester}{\sum[CourseCredits]\, for all\ the\ Courses\ applied\ in\ that\ semester}$ **CGPA** $= \frac{\sum[CourseCredits \times GradePoints]\ for\ all\ Courses\ excluding\ those\ with\ F grades\ until\ that\ semester}{\sum[CourseCredits]\, for\ all\ Courses\ excluding\ those\ with\ F grades\ until\ that\ semester}$ The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the grade cards.SGPA and CGPA calculation: An illustrative example for one academic year is shown in Annexure-III.
	21OB13.2	**Conversions of CGPA into Percentage of marks and Class Equivalence** There is no formula for the conversion of CGPA into the percentage of marks. However, the following formula for conversion of the CGPA on a 10-point scale into the percentage of marks (M) for employment / higher studies, etc may be used; Percentage of marks secured, M = CGPA Earned x 10 Illustration for a CGPA of 8.20; Percentage of marks secured M = 8.20× 10 = 82.0 %
	21OB13.3	**Class Equivalence:** Subsequent to the conversion of final CGPA, after successful completion of the Program, into the **percentage of marks (M),** a graduating student is reckoned to have passed in (i). First Class with Distinction (FCD) if M≥ 70 (ii). First Class (FC) if 60% ≤M<70 % (iii). Second Class (SC) if 50% ≤ M < 60% (iv). Pass Class (P) if 40%≤ M ≤ 50%
21OB14.0	**Vertical Progression**	
	21OB14.1	All the below clauses are subject to a maximum duration of eight (for Regular Students) / six years (for Lateral Entry Students) as applicable. 1) In case of students admitted to the first year:

(a) Students have to fulfill the attendance and CIE requirement to appear for SEE of course/s of 1st year (refer to clause no. 21OB5.4)

(b) Students having not more than four F grades in the 1st and 2nd semesters of the first year of the program shall be eligible to move to the 3rd semester (2nd year) of the program. These courses include courses marked as NE as per clause no. 21OB12.2 and 21OB10.1i

(c) The students who fail to satisfy CIE and attendance requirement has to repeat the courses whenever offered next and become eligible for the 2nd year. (refer to clause no. 21OB9.9 and 21OB5.1)

2) Obtaining CIE: From the (3rd semester) second year onwards the student who obtains the required attendance for the course, but not the required CIE marks is allowed to move forward to the next semester. However, the student has to mandatorily obtain the required CIE in the subsequent semester. Obtaining minimum CIE marks for the course is mandatory. It may also be noted that the student shall not be permitted to appear for SEE in such courses until he/she obtains the required CIE.(refer to clause no.21OB9.9)

3) Carryover of backlog courses: From 3rd semester onwards the student/s who obtains required attendance, CIE, and appears for university examinations but fails (F Grade) to pass a course/s is allowed to move forward to the next semester (odd /even) irrespective of a number of F grades. However, for the award of degree, the student has to pass in all courses as per applicable scheme and regulations and earn the prescribed credits. This is subject to a permitted maximum duration. **It may also be noted that the student will be given admission to the IV year (7thsemester/8th semester) provided he/she passes all courses of 1st and 2nd semesters.**

4) From the second year onwards there shall be no restriction from promotion from an even to next odd semester (or odd to next even semester) even if the student has not satisfied the attendance requirement in one or more courses (including bridge courses for lateral entry students) shall not be eligible to appear for the Semester

End Examination (SEE) of that course(s). The student shall be required to repeat that course whenever offered next.

5) Permitted Maximum credits for registration: The student shall be permitted to register for total courses not exceeding 28 credits. These 28 credits include the courses of the regular semester and backlogs. The registration of these additional credits includes the courses having a shortage of attendance and the courses whose CIE requirements are not fulfilled. A student has to pay the prescribed fee as notified by the University from time to time.

6) **Successive Failures:**

a) If a student fails to pass a Course even **after four attempts,** that course is deemed to be exempted for him/her. Then, the student may choose a course of his / her choice with the same number of credits from the pool of courses suggested by the concerned Board of Studies. The course so selected should not have been studied by the student or to be studied in higher semester/s. The faculty advisor shall guide/advise the student in this regard. The college has to make arrangements for the registration and conduction of CIE for the selected course.

b) This prevision is given only for two courses (one at a time) during the entire maximum duration of a course.

7) This provision is **optional**; the student/s can continue appearing for SEE with the same course without opting for a change of course as mentioned in clause 21OB14.1-6a.

Readmission:

a) Students who are temporarily discontinuing the program and getting readmitted or rejoin to the eligible semester are subject to a maximum duration of eight (for Regular students) / six (for lateral Entry students) years as applicable.

b) The permission for readmission is only on request through the Principal and is not treated as a matter of right. Such students shall not claim any benefits based on the readmission.

		c) Students who take re-admission to any semester of the existing scheme from another scheme, as a repeater/fresher because of various reasons, shall attend and complete all the remaining semester/s of the program adhering to the regulations of the prevailing scheme and shall complete additional Course/s, if any, as per the decision of equivalence committee in concurrence with concerned Board of Studies on establishing the equivalence between two schemes. Such a candidate shall not be eligible for the award of rank. d) Readmission to odd/even semester shall not be considered as fresh admission and therefore students shall **continue to have the same University Seat Number,** which was allotted at the time of admission to the program. The maximum duration of the Program shall be counted with reference to the USN (University Seat Number) allotted during admission to the program. e) A student who has not obtained the eligibility for III semester even after three academic years from the date of admission to I semester shall discontinue the Programme or get readmitted to I semester of first year B.E./B.Tech., with a new University Seat Number (USN) but retaining the same year of admission. (to be read along with 21OB14.1-1) 8) **Permitted Maximum credits for registration:** The student shall be permitted to register for total courses not exceeding 28 credits. These 28 credits include the courses of the regular semester and backlogs. The registration of these additional credits includes the courses having a shortage of attendance and the courses whose CIE requirements are not fulfilled. A student has to pay the prescribed fee as notified by the University from time to time.
	21OB14.2	1) The candidates who have temporarily discontinued the Program of study or changed the scheme of study from one to another because of various reasons or transferred with credits from the autonomous college of VTU /other University to non-autonomous

constituent/affiliated college of VTU, shall be eligible for the award of degree provided the credits earned at that stage are equal to or greater than the credits decided by the University in the individual cases.

2) In case, the forecasted or estimated credits are going to be less than that of the credits prescribed by the University on the completion of all the semesters of the program under the prevailing scheme, the candidate shall register for a course or courses not studied earlier and make up the credits which are equal to or greater than the university prescribed credits.

3) In case of any difficulty, Vice-Chancellor shall decide on individual cases, which shall be final.

21OB15.0 Award of Degree

21OB15.1 B.E./B.Tech. degree

(a) Students shall be declared to have completed the Program of B.E. / B.Tech. degree and is eligible for the award of degree provided the students have undergone the stipulated Course work of all the semesters under the Scheme of Teaching and Examinations and have earned the prescribed number of credits **within the permitted maximum duration.**

(b) **For the award of degree, completion of bridge courses, if any, as applicable is compulsory.**

(c) **Mandatory Earning of Activity points:**

Sl. No.	Students Category	Activity points prescribed by AICTE
1	Regular students admitted to the 4 years Degree program	**100**
2	Students entering 4 years Degree programs through lateral entry	**75**
3	Students transferred from other Universities to the fifth semester	**50**

The Activity Points earned shall be reflected on the student's eighth semester Grade Card.

(i) AICTE Activity Points (non-credit) have no effect on SGPA/CGPA

		In case a student fails to earn the prescribed activity Points before the commencement of 8th-semester examinations, the Eighth Semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of the degree only after the release of the Eighth Semester Grade Card. (ii) The Guidelines and suggestive activities under Activity points are listed in Annexure –VII
	21OB15.2	**B.E./B.Tech. (Honors) Degree** **(a)** A student shall be declared to have completed the Program of B.E./ B.Tech., degree and shall be eligible to get undergraduate B.E./B.Tech., degree with Honours, provided. • **(a.1)** the student has undergone the stipulated Course work of all the semesters under the same Scheme of Teaching and Examinations and has earned the prescribed number of credits, i.e. 160 credits for I semester admitted students and 120 for III semester admitted students as per 21OB15.1 • **(a.2)** has earned additional 18 or more credits through University-approved online Courses. • **(a.3)** satisfied the Regulations Governing the Award of Honors at B.E./B.Tech. Degree Programs – Guidelines – Annexure-V
	21OB15.3	**3. B.E./B.Tech. with Minor Degree** **a)** A student shall be declared to have completed the Program of B.E./ B.Tech. Degree and shall be eligible to get undergraduate B.E./B.Tech., degree with minors, provided. • **(a.1)** The student has undergone the stipulated Course work of all the semesters under the same Scheme of Teaching and Examinations and has earned the prescribed number of credits, i.e. 160 credits for I semester admitted student and 120 for III semester admitted student • **(a.2)**Has earned additional 18 or more credits through a University-

		approved courses list submitted by the board of studies. For Guidelines refer to Annexure-VI
	21OB15.4	**Award of Degree for an Extraordinary Student:** The University through college can offer a fast-track degree for an extraordinary student. The same is done by offering courses of his / her choice to fulfill the requirement of the program in three and half years. However, the degree shall be awarded on completion of 04 years. However, the course completion letter may be issued jointly by University and Institute immediately after completion of the program, notwithstanding the minimum duration. Aspirant students have to register with University through the Principal of the college at the 5th-semester level, with the prescribed registration fee as fixed by the University from time to time. A special provision to registering for more credits other than regular semester credits shall be made only after registration. The extraordinary student is one with a CGPA ≥ 9 in 2nd, 3rd, and 4thsemesters and maintains the same in all the semesters. Otherwise, his/her registration will stand canceled automatically.
	21OB15.5	**(1) Noncompliance of CGPA ≥5.00 at the end of the Program** **(A)** Students, who have completed all the courses of the Program but do not have a CGPA ≥5.00 at the end of the Program, shall not be eligible for the award of the degree. **(B)** In the cases of 21OB14.5 (A), students shall be permitted to appear again for SEE in course/s [other than Internship, Technical seminar, Project (Mini and Main), and Laboratories] of any Semester/s without the rejection of CIE marks for any number of times, subject to the provision of the maximum duration of the Program to make up the CGPA equal to or greater than 5.00 for the award of the Degree. **(C)** In case the student earns improved grade/s in all the reappeared course/s, the CGPA shall be calculated considering the improved grade/s. If it is ≥5.00, the students shall become eligible for the award

of the degree. If CGPA <5.00, the students shall follow the procedure laid down in 21OB14.5(B).

(D) In case the students earn improved grade/s in some course/s and the same or lesser than the previously earned pass grade/s in the other reappeared course/s, the CGPA shall be calculated considering the improved grade/s and the pass grades earned before the reappearance. If it is ≥5.00, the student shall become eligible for the award of the degree. If CGPA <5.00, the students shall follow the procedure laid down in 21OB14.5(B)

(E) In case the student earns improved grade/s in some courses and fails in the other reappeared course/s, the CGPA shall be calculated by considering the improved grade/s and the previously earned pass grade/s of the reappeared course/s in which the student has failed. If it is ≥5.00, the student shall become eligible for the award of the degree. If CGPA <5.00, the student shall fallow the procedure laid in 21OB14.5(B).

(F) In case the student fails (i.e., earns F grade) in all the reappeared course/s, pass grade/s of the course/s earned by the students before reappearance shall be retained. In such cases, the student shall follow the procedure laid in 21OB14.5(B).

(G) The student shall obtain written permission from the Registrar (Evaluation) to reappear in SEE to make up the CGPA equal to or greater than 5.00.

(2) Noncompliance of Mini-project

The mini-project shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take up/complete the mini-project shall be declared fail in that course and shall have to complete the same during subsequent University examinations after satisfying the Mini-project requirements.

(3) Noncompliance of Major-project

The Project Work shall be considered as a head of passing and shall be

		considered for the award of degree. Those, who do not take up/complete the Major-project shall be declared fail in that course and shall have to complete the same during subsequent University examinations after satisfying the Major-project requirements. **(4) Noncompliance of Internship** All the students of B.E./B.Tech. shall have to undergo mandatory internship as per 21OB 6.1. The internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take up/complete the internship shall be declared fail in that Course and shall have to complete the same during subsequent University examinations after satisfying the internship requirements.
21OB16.0	**Award of Prizes, Medals, and Ranks**	
	21OB16.1	For the award of Prizes and Medals, the conditions stipulated by the Donor shall be considered subject to the provisions of the statutes framed by the University for such awards.
	21OB16.2	**(1)** For the award of rank in a Specialization of Bachelor of Engineering/ Technology, the CGPA secured by the students from III to VIII semesters shall be considered. **(2) The additional credits earned for the award of Honours / Minors degree** shall not have any bearing for the Rank declaration. **(3)** A student shall be eligible for a rank at the time of award of the degree of Bachelor of Engineering/ Technology, provided that the student, a) **(i)** Has passed all the Courses of I to VIII semester in the first attempt only in case of Candidates admitted to I year. **(ii)** Has passed all the Courses **(including bridge courses)** of III to VIII semester in the first attempt only in case of Candidates admitted under lateral entry scheme. b) Is not a repeater in any semester because of rejection of result of a semester/ shortage of attendance **/temporarily discontinued and rejoined/readmitted etc.** c) Has completed all the Courses/semesters of the same Scheme of Teaching and Examinations without any break/discontinuity.

		d) Has completed all the semesters (I to VIII for regular/III to VIII for lateral entry) in VTU constituent college or in any VTU affiliated non-autonomous college. e) Has not been transferred from any autonomous institution affiliated to VTU or from any other University. **(4)** The total number of ranks awarded shall be 10% of the total number of students who appeared in the VIII semester subject to a maximum of 10 ranks in a specialization. **(5)** For an award of ranks in a specialization, a minimum of 10 students should have appeared in the VIII semester examination. **Illustration:** a) If 1228 students appeared for the VIII semester in Electronics and Communication Engineering Program, the number of ranks to be awarded for Electronics and Communication Engineering shall be 10. b) If 90 students appeared for the VIII semester in Biomedical Engineering, the number of ranks to be awarded for Biomedical Engineering will be 09. c) In case of a fractional number of ranks, it is rounded to a higher integer only when the first decimal place is greater than or equal to 5.
	21OB16.3	Ranks shall be awarded based on the merit of the students as determined by CGPA. If two or more students get the same CGPA, the tie shall be resolved by considering the number of times a student has obtained a higher SGPA. If it is not resolved even at this stage, the number of times a student has obtained higher grades like S, A, B, etc., shall be taken into account to decide the order of the rank.
21OB17.0	**Change of College: Transfer of students: The Regulations Governing the Change of College shall be followed (Annexure-IX).**	
21OB18.0	**Change of Branch: The Regulations Governing the Change of Branch shall be followed (Annexure-X)**	
21OB19.0	**Applicability and Power to Modify**	

	21OB19.1	The regulations governing the degree of Bachelor of Engineering/Technology of Visvesvaraya Technological University shall be binding on all concerned.
	21OB19.2	i) Notwithstanding anything contained in the foregoing, the University shall have the power to issue directions/ orders to address any difficulty. ii) Nothing in the foregoing may be construed as limiting the power of the University to amend, modify or repeal any or all of the above.

Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018, Karnataka State

Prof. A S. Deshpande B.E. M.Tech., Ph.D.
REGISTRAR

Phone : (0831) 2498100
Fax : (0831) 2405467

Ref VTU/BGM/Aca-OS/Gen-Cirs/2019-20/ 3013 Date : 31 AUG 2019

NOTIFICATION

Sub: Regulations Governing the Degree of B.E./ B.Tech. under OBE and CBCS (Revised-2018) – reg...

Ref: Executive Council Resolution. No. 2.2.1 dt: 30th May, 2019

Pursuant to the aforesaid Executive Council Resolution, the **"Regulations Governing the Degree of B.E./ B.Tech. under outcome Based Education and Choice Based Credit System – (Revised – 2018) "** are hereby notified.

These Regulations are applicable for the following students:

1. Admitted to I semester/I year from the academic year 2018-19 (i.e. USN XXX18XXXXX)
2. Admitted to III semester/II year from the academic year 2019-20 (i.e. USN XXX19XX4XX)

You are hereby directed to bring the same to the notice of all the concerned and to follow them scrupulously.

The previous regulations in this regard (published on VTU website and printed in syllabus books are treated as null and void.

BY ORDER

01.08.2019

REGISTRAR

Encl: as above

To,
The of Principals of All Engineering Colleges under the ambit of VTU, Belagavi

Copy to:

1. Hon'ble Vice-Chancellor through the Secretary to VC, VTU, Belagavi for kind information
2. The Registrar (Evaluation), VTU, Belagavi
3. The Regional Directors (I/C) of all the Regional Offices of VTU for circulation
4. The Computer Network Centre, VTU, Belagavi- to upload on VTU website
5. PS to Registrar, VTU, Belagavi
6. All the concerned Special Officer and Case-workers of Academic Section, VTU, Belagavi

Definitions of Keywords

The following are the definitions/descriptions that have been followed for the different terms used in the Regulations of B.E./B.Tech. Programmes:

1) **Programme:** Is an educational Programme in a particular stream/ branch of Engineering/branch of specialization leading to award of the Degree. It involves events/activities, comprising of lectures/tutorials/laboratory work/field work, outreach activities/project work/vocational training/viva voce/ seminars/ internship/assignments/ presentations/ self-study etc., or a combination of some of these.
2) **Branch:** Means Specialization or discipline of B.E./B.Tech. Degree Programme, like Civil Engineering, Mechanical Engineering, Textile Engineering, etc.
3) **Semester:** Refers to one of the two sessions of an academic year (vide: serial number 4), each session being of sixteen weeks duration (with working days greater than or equal to ninety). The odd and even semesters shall be as per the University academic calendar.
4) **Academic Year:** Refers to the sessions of two consecutive semesters (odd followed by an even) including periods of vacation.
5) **Course:** Refers to usually referred to as 'papers' and is a component of a Programme. All Courses need not carry the same weight. The Courses should define learning objectives and learning outcomes. A Course may be designed to comprise lectures/ tutorials/ laboratory work/ field work/ outreach activities/project work/ vocational training/ viva voce/ seminars/ term papers/assignments/ presentations/ self-study etc., or a combination of some of these.
6) **Credit:** Refers to a unit by which the Course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of lecture or two hours of laboratory/practical Courses/ tutorials/ fieldwork per week etc.
7) **Audit Courses:** Means the Knowledge/ Skill enhancing Courses without the benefit of a grade or credit for a Course.
8) **Choice Based Credit System (CBCS):** Refers to customizing the Course work, through Core, Elective and soft skill Courses, to provide necessary support for the students to achieve their goals.
9) **Course Registration:** Refers to formal registration for the Courses of a semester (Credits) by every student under the supervision of a Faculty Advisor (also called Mentor, Counsellor etc.) in each semester for the Institution to maintain proper record.
10) **Course Evaluation:** Means Continuous Internal Evaluation (CIE) and Semester End Examinations (SEE) to constitute the major evaluations prescribed for each Course. CIE and SEE to carry 40 % and 60 % respectively, to enable each Course to be evaluated for 100 marks, irrespective of its Credits.
11) **Continuous Internal Evaluation (CIE):** Refers to evaluation of students' achievement in the learning process. CIE shall be by the Course Instructor and includes tests, homework, problem solving, group discussion, quiz, mini-project and seminar throughout the semester, with a weightage for the different components being fixed by the University.
12) **Semester End Examinations (SEE):** Refers to the examinations conducted by the University covering the entire Course Syllabus. For this purpose, Syllabi to be modularized and SEE questions to be set from each module, with a choice confined to the concerned module only. SEE is also termed as University examination.
13) **First Attempt:** Refers to a student who has completed all formalities and has become eligible to attend the SEE and has attended at least one head of passing, such attempt shall be considered as first attempt.

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14) **Credit Based System (CBS):** Refers to quantification of Course work, after a student completes teaching – learning process, followed by passing in both CIE and SEE. Under CBS, the requirement for awarding degree is prescribed in terms of total number of credits to be earned by the students.

15) **Credit Representation:** Refers to the Credit Values for different academic activities considered, as per the Table.1 Credits for seminar, project phases, project viva–voce and internship shall be as specified in the Scheme of Teaching and Examinations.

16) **Letter Grade:**

Table 1: Credit Values

Theory/Lectures (L) (hours/week/Semester)	Tutorials (T) (hours/week/Semester)	Laboratory/Practical (P) (hours/week/Semester)	Credits (L:T:P)	Total Credits
4	0	0	4:0:0	4
3	0	0	3:0:0	3
2	2	0	2:1:0	3
2	0	2	2:0:1	3
2	2	2	2:1:1	4
0	0	6	0:0:3	3

NOTE: Activities like, practical training, study tour and participation in Guest lectures not to carry Credits.

It is an index of the performance of students in a said Course. Grades are denoted by letters S, A, B, C, D, E and F.

17) **Grading:** Grade refers to qualitative measure of achievement of a student in each Course, based on the percentage of marks secured in CIE and SEE. Grading is done by Absolute Grading [Refer: 18 OB 6.0]. The rubrics attached to letter grades are as follows: S – Outstanding, A – Excellent, B – Very Good, C – Good, D – Above Average, E – Average and F – Fail.

18) **Grade Point (GP):** Refers to a numerical weightage allotted to each letter grade on a 10-point scale as under.

Letter Grade and corresponding Grade Points on a typical 10 – Point scale

Letter Grade	S	A	B	C	D	E	F
Grade Point	10	09	08	07	06	04	00

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19) **Passing Standards:** Refers to passing a Course only when getting GP greater than or equal to 04 (as per serial number 18).

20) **Credit Point:** Is the product of GP and number of credits for a Course i.e.,
Credt points (CrP) = GP × Credits for the Course.

21) **Semester Grade Point Average (SGPA):** Refers to the measure of academic performance of student/s in a semester. [Refer:18OB6.2]

22) **Cumulative Grade Point Average (CGPA):** Is a measure of overall cumulative performance of a student over all semesters. [Refer:18OB6.2]

23) **Grade Card:** Refers to the certificate showing the grades earned by a student. A grade card shall be issued to all the registered students after every semester end examination. The grade card will display the Programme details (Course code, title, number of credits, grades secured) along with SGPA of that semester and CGPA earned till that semester.

24) **University:** Visvesvaraya Technological University (VTU), Belagavi.

18OB1.0	**Title, Duration and Credits of the Programme of Study.**
18OB1.1	The Programme of study shall be called the degree of Bachelor of Engineering /Bachelor of Technology, abbreviated as B.E./B.Tech.
18OB1.2	**(a)** The Programme to which students are admitted to First semester of B.E./B.Tech. Programme shall be of four academic year duration divided into eight semesters. The actual Teaching and Learning days shall be for at least 90 working days in a semester. **(b)** The Programme to which students are admitted to third semester of B.E./B.Tech. Programme under lateral entry shall be of three academic year duration, divided into six semesters. The actual Teaching and Learning days shall be at least 90 working days in a semester. **(c)** The Programme (conducted during evening) to which students are admitted to third semester of B.E./B.Tech. Programme under lateral entry scheme shall be of three academic year duration, divided into six semesters. The actual Teaching and Learning days shall be for at least 90 working days in a semester. The deficit contact hours of the Programme, conducted during evening on all working days, shall be compensated on all Sundays (except on general holidays).
18OB1.3	The calendar of events in respect of the Programme of study shall be notified by the University in advance.
18OB1.4	**Maximum Duration for Programme Completion:** **(a) In case of students admitted to First semester of First year B.E./B.Tech. Programme** (i) Students admitted to First year first semester B.E./B.Tech. shall complete the Programme within a period of eight academic years from the date of first admission, failing which they have to discontinue the Programme. (ii) A student who has not obtained eligibility to third semester even after three academic years from the date of first admission to first semester shall discontinue the Programme or get readmitted to first semester of first year B.E./B.Tech. with a revised University Seat Number having the same year of admission but serial number of the student starting with SIX hundred series (6XX). (iii) A student who has joined first year (to I or II semester) as a repeater and has not obtained eligibility to third semester even after three academic years from the date of readmission to first year shall discontinue the Programme or get readmitted to first semester of first year B.E./B.Tech., subject to the provision of 18OB1.4 (a)(i), with a revised University Seat Number having the same year of admission but serial number of the student starting with SIX hundred series (6XX). (iv) A student, who has been readmitted to First year [as per 18OB1.4 (a) (ii)and (iii)], does not get eligibility to third semester even after two academic years from the date of readmission, he/she shall discontinue the Programme or seek fresh admission following the prevailing admission procedure at that time. (v) A student who gets admitted to III semester from I year in three or less than three years shall complete the Programme, with or without break, within a period of eight academic years from the date of first admission, failing which they have to discontinue the Programme or seek fresh admission following the prevailing admission procedure at that time. **(b) In case of lateral entry students admitted to Third semester of Second year B.E./B.Tech. Programme.** (i) Students admitted to second year third semester B.E./ B.Tech. shall complete the Programme within a period of six academic years from the date of first admission, failing which they have to discontinue the Programme. (ii) A student who has not obtained eligibility to fifth semester even after two academic years from the date of first admission to third semester shall discontinue the Programme or get readmitted to third semester of second year B.E./B.Tech. with a revised University Seat Number having the same year of admission but serial number of the student starting with SEVEN hundred series (7XX). (iii) A student who has joined second year (to III or IV semester) as a repeater and has not

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	obtained eligibility to fifth semester even after three academic years from the date of readmission to second year shall discontinue the Programme or get readmitted to third semester of second year B.E./B.Tech., subject to the provision of 18OB1.4 (b) (i), with a revised University Seat Number having the same year of admission but serial number of the student starting with SEVEN hundred series (7XX). (iv) A student, who has been readmitted to second year [as per 18OB1.4 (b) (ii) and (iii)], does not get eligibility to fifth semester even after two academic years from the date of readmission to second year, he/she shall discontinue the Programme or seek fresh admission following the prevailing admission procedure at that time. **(v)** A student who gets admitted to V semester from II year in two or less than two years shall complete the Programme, with or without break, within a period of six academic years from the date of first admission, failing which they have to discontinue the Programme or seek fresh admission following the prevailing admission procedure at that time.
18OB1.5	**Prescribed Number of Credits for the Programme** [to be read along with 18OB12.2]: **(a)** The number of credits to be completed by students admitted to first semester of B.E./B.Tech. Programme shall be 175. **(b)** The number of credits to be completed by students admitted to third semester of B.E./B.Tech. Programme under lateral entry scheme shall be 135. **(c)** A student shall be eligible to get Undergraduate degree with Honours, if he/she earns additional 20 credits, as per VTU norms issued from time to time regarding the earning of additional credits. [To be read along with Regulations Governing the award of Honours' in B.E./B.Tech. Degree Programmes.]
18OB1.6	**(a) Definition of Credits:** (a.1) 1 hour Lecture (L) per week per semester =1 Credit (a.2) 2 hours Tutorial (T) per week per semester =1 Credit (a.3) 2 hours Practical/Laboratory/Drawing (P) per week per semester =1 Credit. (a.4) Four credit theory courses shall be designed for 50 hours of Teaching – Learning process. (a.5) Three credit theory courses shall be designed for 40 hours of Teaching – Learning process.
18OB2.0	**Eligibility for Admission to B.E./B.Tech. Programmes (As per the Government orders issued from time to time)**
18OB2.1	**(a)Day Engineering College (Eligibility: Candidates who have Passed Second PUC/ Twelfth standard)** **(i)** Passed Second PUC/12th standard/Equivalent examination with English as one of the Languages and obtained a minimum of 45 % of Marks in aggregate in Physics and Mathematics along with Chemistry/Bio-Technology/Biology/Electronics/Computer. 40 % for SC, ST, Category – 1, 2A, 2B, 3A and 3B category candidates of Karnataka only. **(ii)** Those students, who have passed a qualifying examination other than the PUC II examination of the Pre-University Education Board of Karnataka, have to obtain eligibility certificate for seeking admission to B.E./B.Tech. Degree Programme from Visvesvaraya Technological University, Belagavi. **(b) Day Engineering College (Eligibility: Candidates who have Passed 3 year Diploma)** **(i)** A candidate who has passed any Engineering diploma examination or equivalent examination and obtained an aggregate minimum of 45 % marks taken together in all the subjects of the final year (Fifth and Sixth semester) diploma examination (qualified examination) is eligible for admission to B.E./B.Tech. Programmes, in respective branch of Engineering (as notified by the Government of Karnataka for admission to 3rd semester / 2nd year B.E./B.Tech.) and 40 % of marks in qualified examination in case of SC, ST and Backward Classes of Karnataka candidates. **(ii)** Those candidates who have completed Engineering Diploma from other than Karnataka state shall provide the Equivalence/ Eligibility Certificate issued from the Director of Technical Education, Karnataka.

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	(c) Evening Engineering College (Eligibility: Candidates who have Passed 3 year Diploma): **(i)** A candidate who has passed any Engineering diploma examination or equivalent examination and obtained an aggregate minimum of 45 % marks taken together in all the subjects of the final year (Fifth and Sixth semesters) diploma examination (qualified examination) is eligible for admission to B.E./B.Tech. Programmes, in respective branch of Engineering (as notified by the Government of Karnataka for admission to 3rd semester / 2nd year B.E./B.Tech.) and 40 % of marks in qualified examination in case SC, ST and Backward Classes of Karnataka candidates. In addition to this a candidate after passing the diploma, must have minimum of Two years full-time work experience as on 1st September of the year of admission, in a registered firm/Company/Industry/Educational Institution /Government/Autonomous Organizations in the branch of Engineering/Technology, in which the candidates holds a diploma and in which admission is sought by him/her. Professional experience refers to the experience earned as an employee on regular basis in Government, Government Undertaking, Public Sector Undertaking, Corporation or Private company registered under the Directorate of Industries and Commerce or the Directorate of Small Scale Industries or Government recognized Institutions as technical staff. Provided that the period of apprenticeship undergone shall also be treated as professional experience , if sponsored by the Board of Apprenticeship Training, Southern Region, Chennai or by Government, Government Undertakings and Public Sector Undertakings. **Note:** In case where genuineness of the employment certificate is questionable, such candidates have to produce supportive documents specifying the registration details of the Industry/Company (e.g., SSI Registration) and or identity cards provided to them together with latest salary certificate and provident fund certificate. However, the employer has to fill up the NOC duly signed by the company authority. **(d) Day Engineering College (Eligibility: Candidates who have Passed B.Sc Degree)** Passed B.Sc. Degree from a recognized University as defined by UGC, with at least 45% marks (40% in case of candidates belonging to reserved category) and passed 10+2 examination with Mathematics as a subject.
18OB2.2	With regard to the qualification earned from foreign countries, Equivalence certificate from the University/ Association of Indian Universities is mandatory for admission to B.E./B.Tech. Programmes. In case of any dispute about the equivalence in qualification earned from foreign countries, the decision of the University Equivalence Committee shall be the final in establishing the eligibility of the student.
18OB3.0	**Courses**
18OB3.1	There shall be the following types of Courses: **(a)** Humanities, Social Sciences and Management Courses (HSMC): These are mandatory for all disciplines. **(b)** Basic Sciences Courses (BSC): Physics, Chemistry and Mathematics. These are mandatory for all disciplines. **(c)** Engineering Science Courses (ESC): Materials, Workshop, Drawing, and Basics of Electrical/ Electronics/ Instrumentation/ Civil/ Mechanical/ Computer Engineering etc. These are mandatory for all disciplines. **(d)** Professional Core Courses (PCC) – Core: Are the professional Core Courses, relevant to the chosen specialization/ branch. The core Courses are to be compulsorily studied by students and are mandatory to complete them to fulfill the requirements of a Programme. **(e)** Professional Elective Courses (PEC): Are the professional Electives, relevant to the chosen specialization / branch and can be chosen from the pool of papers. It shall be supportive to the discipline providing extended scope/enabling an exposure to some other discipline /domain and nurturing student proficiency skills. **(f)** Open Elective Courses (OEC): Are the Elective Courses from other technical areas and/ or from emerging fields. **(g)** Project Work (PROJ): Mini project and Main Project. Carried out at the Institution or elsewhere without affecting with the regular classwork.

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	(h) Seminar: Deliverable at the Institution under the supervision of a Faculty. **(i)** Internship: Preferably at an industry/R and D organization/IT company/Government organization or elsewhere of significant repute for a specified period as mentioned in Scheme of Teaching and Examinations. **(j)** Mandatory Courses (MC): These Courses are mandatory, without the benefit of a grade or credit, for students admitted to B.E./B.Tech. Programme. A pass in each mandatory Course is required to qualify for the award of degree.
18OB3.2	The minimum number of students registered to any Elective Course offered by the Departments shall be not less than ten. However, the above condition shall not be applicable to Programmes having class strength of less than 10. In such cases, only one elective course shall be offered.
18OB3.3	A student shall exercise his option in respect of Elective Course/s and registered for the same at the beginning of the concerned semester. The student may be permitted to opt for a change of Elective Course/s within 15 days from the date of commencement of the semester as per the calendar of the University.
18OB3.4	**Course Registration:** In order to maintain proper academic record of each student at the Institution, every student shall register for the Courses of a semester (Credits) under the supervision of a Faculty Advisor (also called Mentor, Counselor, etc.,) in each semester.
18OB4.0	**Internship/Professional Practice**
18OB4.1	Internship / Professional Practice The Internship shall be completed during the period specified in the Scheme of Teaching and Examinations. **1)** The internship shall preferably be at an industry/R and D organization/IT company/ Government organization of significant repute for a specified period as mentioned in Scheme of Teaching and Examinations. **2)** The Department/college shall nominate staff member/s to facilitate, Guide and supervise students under internship. **3)** The students shall report progress of the internship to the Guide in regular intervals and seek his/her advice. The Guide shall maintain the progress record of the candidates undergoing internship. **4)** After the completion of Internship, students shall submit a report with completion certificate and attendance certificate to the Head of the Department with the approval of both internal and external Guides. **5)** There shall be 40 marks for CIE and 60 marks for SEE. The minimum requirement of CIE marks shall be 50% of the maximum marks. **6)** The internal Guide shall be the internal examiner for the SEE. **7)** The external Guide for Internship shall be the external examiner for SEE. Examination for internship shall be conducted at the college and the date shall be fixed in consultation with the external Guide. The Examiners shall jointly award the SEE marks. [To be read along with 18OB8.9 (f)] **8)** In case the external Guide expresses his inability to conduct the Examination, the Principal /Chief Superintendent of the Institute shall appoint a senior faculty of the Department to conduct the Examination along with the internal Guide. **9)** Non-availability of Internal guide due to inevitable situations for the conduct of SEE, the Principal /Chief Superintendent of respective institute shall appoint a senior faculty of the Department to conduct the Examination. **10)** The students are permitted to carry out the internship anywhere in India or abroad. The University will not provide any kind of financial assistance to any student for carrying out the Internship.
18OB 5.0	**Technical Seminar and Project**
18OB 5.1	**Technical Seminar:** Technical Seminar is one of the head of passing. **(i)** Each candidate shall deliver Technical seminar as per the Scheme of Teaching and Examinations on the topic chosen from the relevant field. **(ii)** The Head of the Department shall make arrangements for the conduct of seminars

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through concerned faculty members of the Department. The committee, constituted for the purpose by the Head of the Department, shall award the CIE marks for the seminar. The committee shall consist of two senior faculty members of the Department and the senior most acting as the Chairperson. [To be read along with 18OB8.2 (e)]

18OB 5.2 **Project: Project (Mini and Main) is one of the head of passing.**
Mini Project Work and Main Project Work shall preferably be batch wise, the strength of each batch shall not exceed a maximum of four students. [To be read along with 18OB 8.2 (f), (g) 18OB8.9 (f) and the details mentioned in Scheme of Teaching and Examinations.]

18OB 5.3 Examinations in Mini Project Work and Main Project Work shall be conducted batch-wise.

18OB 6.0 **Computation of SGPA and CGPA**

18OB 6.1 **(i)** The University adopts absolute grading system wherein the marks are converted to grades, and every semester results shall be declared in terms of Semester Grade Point Average (SGPA) considering all the courses appeared in that Semester End Examinations including backlog course/s/arrear papers (refers to courses other than the current semester courses that have not yet been completed) and Cumulative Grade Point Average (CGPA). The CGPA will be calculated for every semester, except for the first semester.

(ii) The grading system with the letter grades and the assigned range of marks under absolute grading system shall be as given below:

Level	Outstanding	Excellent	Very Good	Good	Above Average	Average	Fail
Letter Grade	S	A	B	C	D	E	F
Grade Points	10	9	8	7	6	4	00
Percentage of Marks Scored in a Course	≥ 90	<90 ≥80	< 80 ≥70	< 70 ≥60	< 60 ≥ 45	< 45 ≥40	< 40
	(90 -100)	(80 - 89)	(70 - 79)	(60- 69)	(45 - 59)	(40 - 44)	(0 - 39)

(iii) A student obtaining Grade F in a Course shall be considered fail and is required to reappear in the subsequent SEE. Whatever the letter grade secured by the student during his /her reappearance shall be awarded. The number of attempts taken to clear Course/s shall be indicated in the grade card.

18OB6.2 **Computation of SGPA and CGPA**

The following expressions shall be used to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) respectively:

$$SGPA = \frac{\sum[Course\ Credits \times Grade\ Points]\ for\ all\ the\ Courses\ in\ that\ Semester}{\sum[Course\ Credits\ ]\ for\ all\ the\ Courses\ in\ that\ Semester}$$

$$CGPA = \frac{\sum[Course\ Credits \times Grade\ Points]\ for\ all\ Courses\ excluding\ those\ with\ F\ grades\ until\ that\ Semester}{\sum[Course\ Credits\ ]\ for\ all\ Courses\ excluding\ those\ with\ F\ grades\ until\ that\ semester}$$

The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the grade cards.

(a) SGPA and CGPA Calculations: An Illustrative Example for one academic year

Semester (Odd :I, Even: II)	Course Code	Credits	Grade	Grade Points (GP)	Credit Points (CrP)	SGPA, CGPA
I	XX101	5:0:0 = 5	B	8	5x8=40	$SGPA = \frac{117}{25} = 4.68$
I	XX102	3:2:0 = 5	Absent(F)	0	5x0=00	
I	XX103	3:0:0 = 3	A	9	3x9=27	
I	XX104	0:1:1 = 2	F	0	2x0=00	

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	I	XX105	4:1:0 = 5	D	6	5x6=30	
	I	XX106	5:0:0 = 5	E	4	5x4=20	
		Total	25(18*)		Total	117	

(18*): Total credits of the semester excluding the credits of the courses under F grade. Considered for the calculation of CGPA of the two consecutive semesters under consideration.

	II	XX107	3:1:1=5	C	7	5x7=35	$SGPA = \frac{201}{32} = \mathbf{6.28}$
	II	XX108	4:0:0=4	B	8	4x8=32	
	II	XX109	3:0:0=3	D	6	3x6=18	
	II	XX110	4:1:0=5	E	4	5x4=20	
	II	XX111	2:1:1=4	A	9	4x9=27	
	II	XX112	2:0:0=2	F	0	2x0=00	$CGPA = \frac{(117+201)}{18+30} = \frac{318}{48} = \mathbf{6.63}$
	II	XX113	0:2:0=2	B	8	2x8=16	
	I semester						
	I	XX102	3:2:0=5	D	6	5x6=30	
	I	XX104	0:1:1=2	C	7	2x7=14	
		Total	32 (30*)		Total	201	

(30*): Total credits of the semester excluding the credits of the courses under F grade. Considered for the calculation of CGPA of the two consecutive semesters under consideration.

(b) CGPA Calculation of the Programme: An Illustrative Example

Semester	I	II	III	IV	V	VI	VII	VIII
Credits of the semester	20	20	24	24	25	24	20	18
SGPA	4.68	6.28	9.20	6.86	8.18	7.73	9.18	9.40
∑CrP	117	201	22	165	204	185	184	169

$$CGPA = \frac{[117 + 201 + 220 + 165 + 204 + 185 + 184 + 169]}{175} = \frac{[1445]}{175} = \mathbf{8.26}$$

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18OB6.3 **Grade Card:** Based on the secured letter grades, grade points, SGPA and CGPA, a grade card for each semester and a consolidated grade card indicating the performance in all semesters shall be issued.

18OB7.0 **Conversions of CGPA into Percentage of marks and Class Equivalence**

18OB7.1 Formula for the conversion of CGPA into percentage of marks.
Percentage of marks secured, P = [CGPA Earned - 0.75] × 10
Illustration for a CGPA of 8.20:
P = [CGPA Earned 8.20 - 0.75]× 10
= 74.5 %

18OB7.2 **Class Equivalence:**
Subsequent to the conversion of final CGPA, after successful completion of the Programme, into percentage of marks (P), a graduating student is reckoned to have passed in
(i) First Class with Distinction (FCD) if P ≥ 70%
(ii) First Class (FC) if P ≥ 60% but <70% and
(iii) Second Class (SC) if P < 60%.

18OB8.0 **Continuous Internal Evaluation, Semester End Evaluation and Minimum CIE and SEE Marks**

18OB8.1 **Continuous Internal Evaluation Marks and Minimum CIE Marks:**
(a) For Vyavaharika Kannada (Balake Kannada)/Aadalitha Kannada (Samskruthika Kannada) the maximum CIE marks shall be 100. For the award of credit, the minimum CIE marks to be secured shall be 40 % of the maximum marks i.e., 40 marks.
(b) For Project work Phase -1 and Technical seminar the maximum CIE marks shall be 100. For the award of credit, the minimum CIE marks to be secured shall be 50 % of the maximum marks i.e., 50 marks.

	(c) For Practical/ Mini-project/Internship/Project work– Phase 2 the maximum CIE marks shall be 40. To appear for the SEE, the minimum CIE marks to be secured shall be 50 % of the maximum marks i.e., 20 marks. **(d)** For all other theory Courses of the Programme, the maximum CIE marks shall be 40. To appear for the SEE, the minimum CIE marks to be secured shall be 40 % of the maximum marks i.e., 16 marks. **(f)** For Additional Mathematics I and II (to be completed by diploma lateral entry students) the maximum CIE marks shall be 40. To appear for the SEE, the minimum CIE marks to be secured shall be 40 % of the maximum marks i.e., 16 marks. **(g)** For Engineering Graphics and Elements of Civil Engineering and Mechanics (of First Year Engineering and to be completed by B.Sc graduates under lateral entry) the maximum CIE marks shall be 40. To appear for the SEE, the minimum CIE marks to be secured shall be respectively 50 % and 40 % of the maximum marks i.e., 20 and 16 marks.
18OB8.2	**Continuous Internal Evaluation Procedure:** [To be read along with 18 OB 8.1and 8.3] **(a) Theory Courses:** **(i)** CIE Marks in each theory Course [including 'Technical English I and II', 'Constitution of India, Professional Ethics and Cyber Law', 'Environmental Studies', 'Additional Mathematics I and II'], shall be the sum of marks prescribed for tests and assignments. Marks prescribed for tests shall be 30 and that for assignments 10. **(ii)** The CIE marks awarded for tests in the theory Courses shall be based on three tests generally conducted at the end of fifth, tenth and fifteenth week of each semester. Each test shall be conducted for a maximum of 50 marks and the final test marks shall be the average of three tests, proportionately reduced to a maximum of 30 marks. **(iii)** The remaining 10 marks shall be awarded based on the evaluation of assignments/unit tests/written quizzes that support to cover both lower and higher order thinking skills as per Revised Bloom's Taxonomy. **(iv)** Final CIE marks awarded shall be the sum of 18OB8.2 (a) (ii) and (iii) for a maximum of 40 marks. **(v)** The candidates shall write the tests, assignments/unit-tests /written quizzes in Blue Books which shall be preserved by the Principal/ Head of the Department for at least six months after the announcement of University results and shall be made available for verification at the direction of the Registrar (Evaluation). **(b) Engineering Graphics/ Drawing/Field work Courses:** The CIE marks awarded for I year Engineering Graphics Course shall be based on **(i)** Classwork for 24 marks (sketching and Computer Aided Engineering Drawing). **(ii)** Two Tests conducted in the same pattern as that of SEE for 16 marks (The marks secured can be taken as best of the two tests). **(iii)** Final CIE marks awarded for Engineering Graphics shall be the sum of 18OB8.2 (b) (i) and (ii) for a maximum of 40 marks. **(iv)** The CIE marks awarded for higher semester Drawings/ Design Drawings offered by various branches shall be based on the evaluation of the sheets and one test in the ratio 60:40. **(v)** The CIE marks awarded for field work (like Surveying Practice) shall be based on the evaluation of the associated field work and one test in the ratio 60:40. **(c) Practical Courses:** The CIE marks awarded in case of Practical shall be based on the weekly evaluation of laboratory journals/ reports after the conduction of every experiment and one practical test in the ratio 60:40. **(d) Internship:** The CIE marks awarded for internship shall be based on the evaluation of Internship Report, Presentation skill and Question and Answer session in the ratio 50:25:25. **(e) Technical Seminar:** The CIE marks awarded for Technical Seminar shall be based on the evaluation of Seminar Report, Presentation skill and Question and Answer session in the ratio 50:25:25. **(f) Mini – Project:**

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	The CIE marks awarded for Mini - Project, shall be based on the evaluation of Mini - Project Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25.The marks awarded for Mini - Project report shall be the same for all the batch mates. **(g) Main Project Work:** **(i)** Project Work Phase – 1 The CIE marks awarded for project work phase -1 shall be based on the evaluation of project work phase -1 Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25.The marks awarded for the Project report shall be the same for all the batch mates. **(ii)** Project Work Phase - 2 The CIE marks awarded for project work phase -2 shall be based on the evaluation of project work phase -2 Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25.The marks awarded for Project report shall be the same for all the batch mates.
	(h) Vyavaharika Kannada (Balake Kannada)/Aadalitha Kannada (Samskruthika **Kannada)** **(i)** CIE Marks in Vyavaharika Kannada (Balake Kannada)/Aadalitha Kannada (Samskruthika Kannada) shall be the sum of marks prescribed for tests and assignments. Marks prescribed for tests shall be 75 and that for the assignments shall be 25. **(ii)**The CIE marks awarded for the tests shall be based on three tests generally conducted at the end of fifth, tenth and fifteenth week of each semester. Each test shall be conducted for a maximum of 25 marks and the final CIE marks shall be the sum of the marks of all the three tests. **(iii)** The remaining 25 marks shall be awarded based on the evaluation of assignments/oral discussions/ quizzes that supports communication skills. **(iv)** Final marks awarded shall be the sum of 18OB8.2 (h) (ii) and (iii) for a maximum of 100 marks. **(v)** Students shall write the tests in Blue Books and complete the exercises/activates/ questions given in the University Kannada textbook. These shall be preserved by the Principal/ Head of the Department for at least six months after the announcement of University results and shall be made available for verification at the direction of the Registrar (Evaluation).
18OB8.3	**(a)** The CIE marks in the case of Internship/Technical Seminar/Mini-Project and Project Work Phase 1 and 2 shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide. **(b)** A committee constituted by the Head of the Department of Humanities and Social Science shall inspect and authenticate the award the CIE marks for the Course Vyavaharika Kannada (Balake Kannada)/Aadalitha Kannada (Samskruthika Kannada). The committee shall consist of two senior faculty members of the Department and the senior most acting as the Chairperson.
18OB8.4	**(i)** Students satisfying the attendance requirement but failing to secure the minimum percentage of CIE marks, in any Course/s, shall not be eligible for the SEE conducted by the University and they shall be considered as fail in that Course /those Courses. However, they can appear for University examinations conducted in other Courses of the same semester and backlog Course/s if any. **(ii)** Students who have satisfied the attendance requirement but not the CIE requirements shall be permitted to register afresh and appear for SEE after satisfying the CIE requirements in the same Course/s (with or without satisfying the attendance requirement) when offered during subsequent semester/s. **(iii)** Each appearance to SEE to complete a course shall be treated as an attempt.
18OB8.5	CIE marks of those students, who come under 18OB8.4, shall also be sent to the Registrar (Evaluation) along with other course CIE Marks.

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18OB8.6	**(i)** The final list, incorporating corrections (if any), of CIE marks awarded to the students in the Theory/Practical/Internship/ Technical Seminar / Mini – Project/Project work –phase 1 and 2, shall be displayed on the notice board of the college much before the closure of the semester. **(ii)** The institution shall enter the CIE marks of each semester in the format of the VTU online CIE marks portal and submit a certified copy of the same to the University Examination Section within the stipulated date notified by University. Every page of the CIE marks sheet (hardcopy) shall bear the signatures of the concerned Teacher/Teachers, Head of the Department and Principal.
18OB8.7	Any corrections or overwriting of CIE marks shall bear the signature(s) of concerned Teacher(s) and in such cases the Head of the Department shall indicate the number of corrections on every sheet and attest it with his/her signature.
18OB8.8	CIE marks shall reach the University before the commencement of examination as per the notification from the office of the Registrar (Evaluation) from time to time. After the submission of CIE marks to the University, any request under any circumstances for change of CIE marks shall not be considered.
18OB8.9	**Semester End Examination Marks and Passing standards** **(a)** University examination for all Courses under SEE shall be conducted for a maximum of 100 Marks. The marks secured by the students for 100 marks shall be proportionately reduced to a maximum of 60 marks to add the same with the CIE marks for the award of letter grade. **(b)** The University examinations for all the Programmes of study shall be conducted at the end of each semester for all the eight semesters. **(c)** Students having no backlog course/s, may not have more than one examination on the same day. However, students having backlog course/s may face a situation where they may have **(i)** Two examinations scheduled at the same time of the day, **(ii)** To take two examinations on the same day, one during the morning session and the other in the afternoon session, and **(iii)** Examinations on consecutive days. As changing the examination dates is not an option, the examination time table shall not be modified/ altered/ adjusted in any of the above three cases. In the first case, the students shall select any one of the clashing courses and in second and third cases, the students shall manage the examinations as per their decision. **(d)** The pattern of the SEE question paper for Courses Technical English I and II, Constitution of India, Professional Ethics and Cyber Law, and Environmental Studies shall be objective type [Multiple Choice Questions (MCQ)]. **(e)** For a pass in a theory Course/Drawing, students shall secure a minimum 35 % of the maximum marks prescribed for the University examination and in total 40 % of the Course maximum marks, i.e., the sum of the CIE and SEE marks prescribed for the Course. **(f)** For a pass in Practical/ Mini-project / Internship/Technical Seminar/Project work, students shall secure a minimum of 40 % of the Course maximum marks prescribed for the University examination (SEE). **(g)** Students who satisfy the conditions 18OB8.9 (e) and (f), and obtain any grade from S to E in a Course shall be considered to have passed that Course. **(h)** A student shall be declared fail if the candidate **(h.a)** Fails to satisfy the conditions 18OB8.9 (g). **(h.b)** Absents himself / herself to the University examination. **(h.c)** Is held guilty of examination malpractice and for any other reasons and declared the performance of any Course/s null and void by a competent authority. **(i)** If a student secures F grade in any of the Course/s, he/she shall reappear for that Course/s during the subsequent SEE. The CIE marks awarded to the student at first attempt in the concerned Course/s shall be carried forward. Revised CIE marks is considered only in cases under the provision of 18OB8.4 (ii).

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18OB8.10	Students who pass a Course of a semester as per 18OB8.9 (g) shall not be allowed to appear for any individual Course again, unless they opt for rejection of results of entire semester. However, students who have CGPA less than 5.00 at the end of academic Programme, subject to the provision 18OB1.4, shall be allowed to appear for only SEE of Course/s to make up the deficiency in CGPA.
18OB8.11	A student may, at his/her desire, can reject the total performance of a semester (including CIE marks) or reject only the result of his/her performance in University examinations of a semester. The rejection is permitted only once during the entire Programme of study.
18OB8.12	Students who desire to reject the SEE results of a semester shall reject the total performance (irrespective of the earned Course grades) in all the Courses of the semester either rejecting or retaining the CIE marks. However, rejection of the performance of VIII semester project shall not be permitted. **(i)** Students, who desire to reject the total SEE performance of an odd or even semester including CIE marks, have to repeat that odd or even semester of the prevailing scheme by taking readmission during the subsequent academic year/s. They shall also be governed by 18OB12.1, 12.2 and 1.4. **(ii)** If the rejection of SEE results excluding CIE marks is of odd semester, students shall be allowed to take admission to the immediate next even semester. **(iii)** If the rejection of SEE results excluding CIE marks is of even semester, then students shall not be allowed to take admission to the next odd semester as per 18OB10.3. In such cases, students shall take admission to the next odd semester of the prevailing scheme during the subsequent academic year/s, after obtaining the eligibility to move to higher semester. They shall also be governed by 18OB12.1, 12.2 and 1.4. **(iv)** Readmission to odd/even semester as per 18OB8.12 (i) and (iii) shall not be considered as fresh admission and therefore students shall continue to have the same University Seat Number, which was allotted earlier. The maximum duration of the Programme (as per 18OB1.4) shall be counted with reference to old University Seat Number. **(v)** Applications for rejection and approval to reappear for University examinations shall be sent to the Registrar (Evaluation) through the Principal of the College within 30 days from the date of announcement of the results. Late submission of applications shall not be accepted for any reasons. **(vi)** Application for approval of readmission shall be sent to the Registrar through the Principal of College within 30 days from the date of the announcement of the results. Late submission of application shall not be accepted for any reasons.
18OB8.13	Students who opt for rejection of results of University examination shall be eligible for the award of degree and not for the award of ranks and Honours Degree.
18OB9.0	**Attendance Requirement**
18OB9.1	Each semester shall be considered as a unit for calculation of the attendance and the Candidates have to put in a minimum attendance of 85% in each Course with a provision of condonation of 10% of the attendance by the Vice-Chancellor on the specific recommendations of the Principal of the college where the candidate is studying, based on medical grounds, participation in University/State/ National/ International level sports and cultural activities, seminars, workshops, paper presentation etc., of significant value. The supporting documents for condoning the shortage of attendance shall be submitted along with the recommendations.
18OB9.2	**(a)** The basis for the calculation of attendance shall be the period prescribed by the University by its calendar of events and as notified by the Registrar (Evaluation) from time to time. **(b)** In case of late admissions, approved by competent authority (DTE/VTU), to I semester/ III semester (lateral entry scheme) of day college/III semester (lateral entry scheme) of Engineering Programme conducted during evening, the attendance shall be reckoned from the date of admission to the Programme.

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18OB9.3	The Course Instructor/ Mentor/College shall inform the students as well as their parents /guardians about the attendance status periodically. Students who are facing the shortage of attendance shall be mentored to make up the shortage. Principals shall also notify every month, the list of candidates who are under short of attendance.
18OB9.4	A candidate, who does not satisfy the attendance requirement (in one or more Courses and including the Courses Additional Mathematics I and II) as mentioned in 18OB 9.1 shall not be eligible to appear for the Semester End Examinations of that semester and shall not be permitted to take admission to next higher semester. The candidate shall be required to repeat that semester during the subsequent year.
18OB10.0	**Vertical Progression (Promotion/ Eligibility to higher semesters)**
18OB10.1	There shall be no restriction for promotion from an odd semester to the next even semester, provided the student has fulfilled the attendance requirement.
18OB10.2	Along with the reasons specified at 18OB8.9 (h), a student shall be declared fail if he/she **(i)** Has not satisfied the CIE requirements of any Course/s. **(ii)** Has not registered for the SEE even after satisfying the attendance and CIE requirements.
18OB10.3	**(A) Vertical Progression in case of students admitted to First year:** **(a)** Students having not more than four F grades in the two semesters of first year of the Programme shall be eligible to move to second year. **(a.1)** Students having not more than four F grades in the four semesters of I and II year shall be eligible to move to III year. **(a.2)** Students who have earned all the prescribed credits of I year, and having not more than four F grades in the four semesters of II and III year shall be eligible to move to IV year. **(B) Vertical Progression in case of Diploma students admitted to Second year (lateral entry):** **(a)** Students having not more than four F grades (excluding the Fail or pass status of Additional Mathematics I and II) in the two semesters of II year of the Programme shall be eligible to move to III Year. **(a.1)** Students having not more than four F grades (excluding the Fail or pass status of Additional Mathematics I and II, if any) in the four semesters of II and III year shall be eligible to move to IV year. **(b)** The mandatory non – credit Courses Additional Mathematics I and II prescribed at III and IV semesters respectively, to lateral entry Diploma holders admitted to III semester of B.E./B.Tech. Programmes shall attend the classes during the respective semesters to satisfy attendance and CIE requirements and to appear for the University examinations. **(b.1)** In case, any student fails to satisfy the attendance requirement of the Courses Additional Mathematics I and II, he/she shall not be eligible to appear for the Semester End Examinations of that semester and shall not be permitted to take admission to next higher semester. The candidate shall be required to repeat that semester during the subsequent year. **(b.2)** Students who have satisfied the attendance requirement but not the CIE requirements of the Courses Additional Mathematics I and II shall be permitted to register afresh and appear for SEE after satisfying the CIE requirements in the same Course/s (with or without satisfying the attendance requirement) when offered during subsequent semester/s. **(c)** Completion of Additional Mathematics I and II shall be mandatory for the award of degree. **(C) Vertical Progression in case of B.Sc students admitted to Second year (lateral entry):** **(a)** Students having not more than four F grades (excluding the Fail or pass status of Engineering Graphics and Elements of Civil Engineering and Mechanics of First Year Engineering Programme) in the two semesters of II year of the Programme shall be eligible to move to III Year. **(a.1)** Students having not more than four F grades (excluding the Fail or pass status of Engineering Graphics and Elements of Civil Engineering and Mechanics of First Year Engineering Programme, if any) in the four semesters of II and III year shall be eligible to move to IV year.

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	(b) The prescribed mandatory non – credit Courses Engineering Graphics and Elements of Civil Engineering and Mechanics of First Year Engineering Programme to lateral entry B.Sc. holders admitted to III semester of B.E./B.Tech. Programmes, shall attend the classes during the respective semesters to complete CIE and attendance requirements and to appear for the University examinations. **(b.1)** In case, any student fails to satisfy the attendance requirement of the above said Courses, he/she shall not be eligible to appear for the Semester End Examinations of that semester and shall not be permitted to take admission to next higher semester. The candidate shall be required to repeat that semester during the subsequent year. **(b.2)** Students who have satisfied the attendance requirement but not the CIE requirements of the above said Courses, shall be permitted to register afresh and appear for SEE after satisfying the CIE requirements in the same Course/s (with or without satisfying the attendance requirement) when offered during subsequent semester/s. **(c)** Completion of Engineering Graphics and Elements of Civil Engineering and Mechanics shall be mandatory for the award of degree. The Principal of each college shall make suitable arrangements in the timetable to facilitate the B.Sc students to attend the above mentioned courses to satisfy the CIE and attendance requirements and to appear for the University examinations.
18OB11.0	**Award of Degree**
18OB11.1	**1. B.E./B.Tech. degree** **(a)** Students shall be declared to have completed the Programme of B.E. / B.Tech. degree and is eligible for the award of degree, provided the students have undergone the stipulated Course work of all the semesters under the Scheme of Teaching and Examinations and has earned the prescribed number of credits as per the provision 18OB1.5. [To be read along with 18 OB 12.1 and 12.2] **(b)** For the award of degree, a CGPA $\geq$ 5.00 at the end of Programme shall be mandatory. [To be read with 18OB11.2 (1)] **(c)** Completion of Additional Mathematics I and II, shall be mandatory for the award of degree to lateral entry diploma students. **(d)** Completion of Engineering Graphics and Elements of Civil Engineering and Mechanics of First Year Engineering Programme shall be mandatory for the award of degree to lateral entry B.Sc graduates. **(e)(i)** Over and above the academic credits, every Day College regular student admitted to the 4 years Degree Programme and every student entering 4 years Degree Programme through lateral entry, shall earn 100 and 75 Activity Points respectively through AICTE Activity Point Programme for the award of degree. Students transferred from other Universities/ Autonomous colleges under VTU to fifth semester are required to earn 50 Activity Points from the year of entry to VTU. The Activity Points earned shall be reflected on the student's eight semester Grade Card. **(ii)** Activity Points (non-credit) have no effect on SGPA/CGPA and shall not be considered for vertical progression. In case students fail to earn the prescribed activity Points before the commencement of 8th semester examinations, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card. **2. B.E./B.Tech. (Honours) degree** **(a)** A student shall be declared to have completed the Programme of B.E. / B.Tech. degree and shall be eligible to get undergraduate BE/B.Tech degree with Honours, provided. **(a.1)** The student has undergone the stipulated Course work of all the semesters under the same Scheme of Teaching and Examinations and has earned the prescribed number of credits as per the provision 18 OB1.5 (a) and (b). **(a.2)** Has earned additional 20 or more credits through University approved online Courses. **(a.3)** Satisfies the Regulations Governing the award of Honours at B.E./B.Tech. Degree Programmes.

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18OB11.2	**(1) Noncompliance of CGPA ≥5.00 at the end of the Programme** **(a)** Students who have completed all the courses of the Programme but not having a CGPA ≥5.00 at the end of the Programme, shall not be eligible for the award of the degree. **(b)** In the cases of 18OB11.2 (1) (a), students shall be permitted to appear again for SEE in course/s [other than Internship, Technical seminar, Project (Mini and Main), and Laboratories] of any Semester/s without the rejection of CIE marks for any number of times, subject to the provision of maximum duration of the Programme to make up the CGPA equal to or greater than 5.00 for the award of the Degree. **(c)** In case, the students earn improved grade/s in all the reappeared course/s, the CGPA shall be calculated considering the improved grade/s. If it is ≥5.00, the students shall become eligible for the award of the degree. If CGPA <5.00, the students shall follow the procedure laid in 18OB11.2(1) (b). **(d)** In case, the students earn improved grade/s in some course/s and the same or lesser than the previously earned pass grade/s in the other reappeared course/s, the CGPA shall be calculated considering the improved grade/s and the pass grades earned before the reappearance. If it is ≥5.00, the students shall become eligible for the award of the degree. If CGPA <5.00, the students shall follow the procedure laid in 18OB11.2 (1) (b). **(e)** In case, the students earn improved grade/s in some courses and fail in the other reappeared course/s, the CGPA shall be calculated by considering the improved grade/s and the previously earned pass grade/s of the reappeared course/s in which the students have failed. If it is ≥5.00, the students shall become eligible for the award of the degree. If CGPA <5.00, the students shall follow the procedure laid in 18OB11.2 (1) (b). **(f)** In case, the students fail (i.e., earns F grade) in all the reappeared course/s, pass grade/s of the course/s earned by the students before reappearance shall be retained. In such cases, the students shall follow the procedure laid in 18OB11.2 (1) (b). **(g)** Students shall obtain written permission from the Registrar (Evaluation) to reappear in SEE to make up the CGPA equal to or greater than 5.00. **(2) Noncompliance of Mini-project** **(a)** The mini-project shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the mini-project shall be declared fail in that course and shall have to complete the same during subsequent University examinations after satisfying the Mini-project requirements. Also, mini-project shall be considered for eligibility to VII semester. **(3) Noncompliance of Internship** **(a)** All the students of B.E./B.Tech. shall have to undergo mandatory internship of 4 weeks during the vacation of VI and VII semesters and /or VII and VIII semesters. A University examination shall be conducted during VIII semester and the prescribed credits shall be included with the credits of VIII semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared fail in that Course and shall have to complete the same during subsequent University examinations after satisfy the internship requirements.
18OB12.0	**Temporary Discontinuation/Break in the Programme/Change in Scheme of Study**
18OB12.1	**(a)** If a candidate, for any reason, temporarily discontinues the Programme or take a break from the Programme during any semester intentionally, he/she shall be permitted to continue the Programme by registering to the same semester of the prevailing scheme. The candidate from that semester shall attend and complete all the remaining Course works of all the semesters, adhering to the regulations of the prevailing scheme and subject to the provision 18OB1.4. Also the Candidates may have to complete additional Course/s, if any, as per the decision of concerned Board of Studies on establishing the equivalence between two schemes. A Grade card shall be issued to that effect. Additional Course/s shall not be considered for the eligibility criteria prescribed for promotion. Based on the individual cases, they shall be considered to decide the SGPA and CGPA to admit the student for the award of degree. Such candidates shall not be eligible for the award of rank / Honours degree.

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	(b) Candidates who take admission to any semester of the existing scheme from another scheme, as a repeater/fresher because of various reasons, shall attend and complete all the remaining semester/s of the Programme adhering to the regulations of the prevailing scheme, and shall complete additional Course/s, if any, as per the decision of concerned Board of Studies on establishing the equivalence between two schemes. A Grade card shall be issued to that effect. Additional Courses shall not be considered for the eligibility criteria prescribed for promotion. Based on the individual cases, they shall be considered to decide the SGPA and CGPA to admit the student for the award of degree. Such candidate shall not be eligible for the award of rank/Honours Degree. **(c)** The credits to be earned by the candidates under 18OB12.1 (a) and (b) and 18OB14.1(b) and (c) shall be decided by the University along with the additional Course/s to be completed.
18OB12.2	(i) The candidates who have temporarily discontinued the Programme of study or changed the scheme of study from one to another because of various reasons, or transferred from autonomous/other University to non-autonomous VTU constituent/affiliated college, shall be eligible for the award of degree provided the credits earned is equal to or greater than the credits decided by the University in the individual cases. (ii) In case, the credits earned is less than the credits decided by the University in the individual cases, after the completion of all the semesters of the Programme under the prevailing scheme, the candidate shall register for a Course or courses not studied earlier and make up the credits earned equal to or greater than the required for the award of degree. (iii) If the earned Programme credits are greater than the prescribed, the CGPA shall be proportionately reduced to the prescribed Programme credits.
18OB13.0	**Award of Prizes, Medals and Ranks**
18OB13.1	For the award of Prizes and Medals, the conditions stipulated by the Donor shall be considered subject to the provisions of the statutes framed by the University for such awards.
18OB13.2	**1)** For award of rank in a Specialization of Bachelor of Engineering/ Technology, the CGPA secured by the students from III to VIII semester shall be considered. **(2)**The additional credits earned for the award of Honours degree shall not have any bearing for the Rank declaration. **(3)** A student shall be eligible for a rank at the time of award of degree of Bachelor of Engineering/ Technology, provided that the student, **(a) (i)** Has passed all the Courses of I to VIII semester in first attempt only in case of Candidates admitted to I year. **(ii)** Has passed all the Courses (including Additional Mathematics I and II in case Diploma students/ Engineering Graphics and Elements of Civil Engineering and Mechanics in case of B.Sc graduates under lateral entry) of III to VIII semester in first attempt only in case of Candidates admitted under lateral entry scheme. **(b)** Is not a repeater in any semester because of rejection of result of a semester/ shortage of attendance etc. **(c)** Has completed all the Courses/semesters of the same Scheme of Teaching and Examinations without any break/discontinuity. **(d)** Has completed all the semesters (I to VIII/III to VIII) in VTU constituent college or in any VTU affiliated non-autonomous college. **(e)** Has not been transferred from any autonomous institution affiliated to VTU or from any other University. **(4)** The total number of ranks awarded shall be 10% of total number of students appeared in VIII semester subject to a maximum of 10 ranks in a Specialization. **(5)** For award of ranks in a Specialization, a minimum of 10 students should have appeared in the VIII semester examination. **Illustration:** **(a)** If 1228 students appeared for the VIII semester in Electronics and Communication Engineering Programme, the number of ranks to be awarded for Electronics and Communication Engineering shall be 10.

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	(b) If 90 students appeared for the VIII semester in Biomedical Engineering, the number of ranks to be awarded for Biomedical Engineering will be 09. **(6)** In case of fractional number of ranks, it is rounded to higher integer only when the first decimal place is greater than or equal to 5.
18OB13.3	Ranks shall be awarded based on the merit of the students as determined by CGPA. If two or more students get the same CGPA, the tie shall be resolved by considering the number of times a student has obtained higher SGPA. If it is not resolved even at this stage, the number of times a student has obtained higher grades like S, A, B etc., shall be taken into account to decide the order of the rank.
18OB14.0	**Transfer of students**
18OB14.1	**(a) (i)** Transfer of students from one VTU affiliated non – autonomous college to another VTU non – autonomous affiliated college shall be permitted only at the beginning of third, fifth and seventh semesters, subject to availability of seats within the permitted intake in respective Colleges with the approval of the Registrar, VTU subject to the provision 18OB10.3. **(ii)** The students seeking transfer as per 18OB14.1 (a) (i) shall have to obtain No Objection certificate for admission from the University and from both the colleges before the commencement of term as notified by VTU. **(iii)** Complete the Programme subject to the provision 18OB1.4. **(b)** Transfer of students from an autonomous to non – autonomous college, affiliated to VTU is permitted with the following conditions. **(i)** Transfer shall only be at the beginning of III and V semester B.E./B.Tech. Programme. **(ii)** No transfer shall be permitted to VII semester B.E./B.Tech. Programme. **(iii)** Students who are seeking transfer must have passed in all the Courses of the previous semesters. **(iv)** Obtain No Objection certificate for admission from the University and from both the colleges before commencement of term as notified by VTU. **(v)** Complete additional Course/s, if any, as per the decision of concerned Board of Studies on establishing the equivalence between two schemes. A Grade card shall be issued to that effect. Additional Course/s shall not be considered for the Eligibility criteria prescribed for promotion, calculation of SGPA and CGPA. However, a pass in the additional Courses, if any, is mandatory before the completion of Degree. **(vi)** Earn the credits decided by the University as per 18OB12.2. **(vii)** Complete the Programme subject to the provision 18OB1.4. **(c)** In the case of students seeking transfer from Universities other than VTU, the students must have passed in all the Courses of I and II semesters for admission to III semester and all the Courses of I to IV semesters for admission to V semester. No transfer shall be permitted to VII semester B.E./B.Tech. Programme of VTU from any other Universities. The students seeking admission from other Universities to VTU shall have to **(i)** Apply for establishment of equivalence with prescribed fees as notified by the VTU and obtain No Objection certificate for admission from the University before the commencement of term as notified by VTU. **(ii)** Produce No Objection certificate for admission from both the colleges before the commencement of term as notified by VTU. **(iii)** Complete additional Course/s, if any, as per the decision of concerned Board of Studies on establishing equivalence between two schemes. A Grade card shall be issued to that effect. Additional Course/s shall not be considered for the eligibility criteria prescribed for promotion, calculation of SGPA and CGPA. However, a pass in the additional Courses, if any, is mandatory before the completion of Degree. **(iv)** Earn the credits as decided by the University as per 18OB12.2. **(v)** Complete the Programme subject to the provision 18OB1.4.
18OB14.2	Transfer of students within the College from one branch to another branch at the start of III semester shall be permitted with the approval of the Registrar, VTU subject to the provisions made by the appropriate authorities.

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18OB14.3	The University may prescribe fee for administration purpose, which shall be notified from time to time, for transfer from one college to another (Change of College) or one branch to another branch (change of branch within the college).
18OB15.0	**Applicability and Power to Modify**
18OB15.1	The regulations governing the Degree of Bachelor of Engineering/Technology of Visvesvaraya Technological University shall be a binding on all concerned.
18OB15.2	i) Notwithstanding anything contained in the foregoing, the University shall have the power to issue directions/ orders to address any difficulty. ii) Nothing in the foregoing may be construed as limiting the power of the University to amend, modify or repeal any or all of the above.

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ACHARYA

Acharya Institute of Technology

Affiliated to VTU, Recognized by GOK and Approved by AICTE, New Delhi (Accredited by NAAC and NBA)
Acharya Dr. Sarvepalli Radhakrishnan Road, Acharya P.O., Soladevanahalli, Bangalore-560107, INDIA
www.acharya.ac.in, Ph. No. - 080-22555555, Email: principalait@acharya.ac.in

VTU Regulation – BE Honors Degree

2018 scheme onwards

Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018, Karnataka State

Dr. A S. Deshpande B.E. M.Tech., Ph.D.,
REGISTRAR
Phone : (0831) 2498100
Fax : (0831) 2405467

Ref: VTU/BGM/OS-Aca/2020-21/ 369 Date : - 3 JUN 2020

NOTIFICATION

Sub: Regulations Governing the Degree of the Award of 'Honours' at B.E./ B.Tech. Degree Programmes – reg...

Ref: Executive Council Resolution. No.2.2.1 dt: 27th May, 2020

Pursuant to the aforesaid Executive Council Resolution, the **"Regulations Governing the Degree of the Award of 'Honours' at B.E./ B.Tech. Degree Programmes** are hereby notified.

These Regulations are applicable for the following students:

1. Admitted to I semester/I year from the academic year 2018-19 (i.e. USN XXX18XXXXX)
2. Admitted to III semester/II year from the academic year 2019-20 (i.e. USN XXX19XX4XX)
3. These Regulations are uniformly applicable to Affiliated, Autonomous and Constituent Colleges under VTU

You are hereby directed to bring the same to the notice of all the concerned and to follow them scrupulously.

BY ORDER

02.6.2020

REGISTRAR

2/6/2020

Encl: as above

To,
The of Principals of All Engineering (Affiliated/ Autonomous/ Constituent) Colleges under the ambit of VTU, Belagavi

Copy to:

1. Hon'ble Vice-Chancellor through the Secretary to VC, VTU, Belagavi for kind information
2. The Registrar (Evaluation), VTU, Belagavi
3. The Regional Directors (I/C) of all the Regional Offices of VTU for circulation
4. The Computer Network Centre, VTU, Belagavi- to upload on VTU website
5. PS to Registrar, VTU, Belagavi
6. All the concerned Special Officer and Case-workers of Academic Section, VTU, Belagavi

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"Jnana Sangama", Belagavi

VTU Regulations Governing the Award of 'Honours' at B.E./B.Tech. Degree Programmes
(Applicable to 2018 – 19 batch and onwards)

May 2020

01.6.2020.

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VTU REGULATIONS GOVERNING THE AWARD OF 'HONOURS' AT B.E./B.TECH. DEGREE PROGRAMMMES

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01.6.2018

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Introduction:

(a) Honours Degree

An increasingly interconnected global economy (the economies of the world's individual countries considered together as a single economic system.) as the result of globalization is creating collaborative opportunities and competitive pressures requiring broadly educated engineers and business professionals. Also, the next generation engineers have to practice an interdisciplinary approach to problem solving.

The objectives of decorating the students with superior academic ability with Honours(Honours: British, Honors: US) are to

- Encourage the advanced levels of study and multidisciplinary learning,
- Specialize in a focused area of their interest,
- Learn new skills and methodologies pertaining to their area of interest,
- Enable personal creativity,
- Cultivate a sustaining interest in advanced education and research,
- Enhance professional development, and
- Provide opportunities to gain recognition at the time of graduation for advanced, distinguished work as an undergraduate.

The Bachelor of Engineering degree with Honours earned with experiences, both inside and outside the classroom, will enhance, after graduation, all types of opportunities as professional engineers in the competitive world.

To encourage and groom engineering students during their engineering programme to become self-motivated independent investigators, critical thinkers, problem solvers, good communicators, team players, effective managers, life-long learners, as well as economically, environmentally and socially aware AICTE has introduced a scheme wherein each student has to earn **18 or more** additional credits through Massive Open Online Courses (MOOCs).

To cater the engineering skill requirements of the next-generation due to continuously changing expectations of the industry, society, and global stakeholder community owing to technology growth and globalization, VTU intends to prepare graduates equipped with interdisciplinary knowledge.

To embody the intentions of AICTE, VTU has instituted the award of Bachelor of Engineering /Technology degree with Honours from 2018 – 19 batch.

(b) SWAYAM(https://swayam.gov.in/about, © 2019 SWAYAM.)

Study Webs of Active Learning for Young Aspiring Minds (SWAYAM) is India's national MOOC portal to provide the best teaching-learning resources to all, including the most disadvantaged. It is a programme initiated by the Government of India and designed to achieve the three cardinal principles of Education Policy viz., access, equity and quality.

SWAYAM offers at free of cost the best quality courses developed by the following nine National Coordinators.

(1) All India Council for Technical Education(AICTE), (2) National Programme on Technology Enhanced Learning(NPTEL), (3) University Grants Commission(UGC), (4)

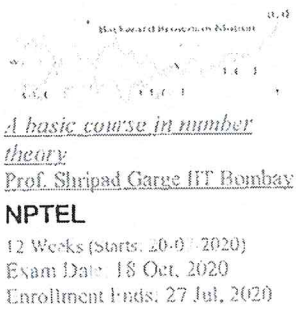
Consortium for Educational Communication(CEC), (5) National Council of Educational Research and Training(NCERT), (6) National Institute of Open Schooling(NIOS), (7) Indira Gandhi National Open University(IGNOU), (8) Indian Institute of Management (IIMB), Bangalore, and (9) National Institute of Technical Teachers Training and Research(NITTTR).

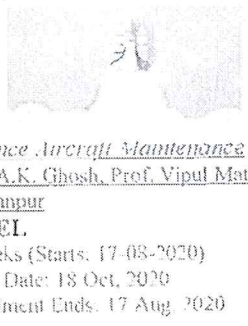
(c) National Programme for Technology Enhanced Learning (NPTEL)

National Programme on Technology Enhanced Learning (NPTEL), funded by the Ministry of Human Resource Development, Government of India is an online E-learning model for furthering technical knowledge. The online courses in engineering, technology, science, arts and humanities are designed and executed by IIT Bombay, IIT Delhi, IIT Guwahati, IIT Kanpur, IIT Kharagpur, IIT Madras, IIT Roorkee, and Indian Institute of Science (IISc), Bengaluru.

There are primarily two types of courses, web-based and video-based. The former consists of lecture notes while the latter has segmented videos based on each topic within the course. Students can register for the online courses as per dates in an academic calendar published by each institute (i.e., 7 IIT's and IISc) participating in NPTEL. There are 4week, 8week, as well as 12week courses offered twice a year (January – June, July – December). Students can register/join for any number of courses, however only a maximum of four (04) examinations can be written per semester/session. Students can sign up (register) for the course/s every time the course/s are offered. Joining a course is free and has no pre-requisites, no age limit, and no entrance criteria to enrol. Not all courses on NPTEL are available for certification.

A separate portal "https://onlinecourses.nptel.ac.in/explorer" exists to handle certified courses. Clicking of the above given-link and the resulting nptel - Swayam under *swayam.gov.in › NPTEL*
leads to https://swayam.gov.in/NPTEL course catalogue to display, as illustrated below, the courses upcoming (Enrolment open) and Ongoing (Enrolment closed). [Illustration is as available on 18 May 2020]







The link - https://onlinecourses.nptel.ac.incan be used to enrol/register for NPTEL online course/courses. After enrolling to a course, watching videos and submission of weekly

assignments, students can get a certificate from the IITs/IISc by appearing in-person to the proctored (proctor refers to invigilate) certification examination (for a nominal fee of about Rs.1000.00/-) and Passing the examination with a consolidated score of 40% or above. 25 % of the final marks come from the assignments and 75 % from the final examination. The examination score is 75 % of the proctored certification examination score out of 100. The final score is the sum of the average assignment score and examination score.

Students will be eligible for a certificate only if average assignment score >10/25 and Examination Score ≥ 30/75. The students will not get the certificate if one of the 2 criteria is not met, even if the Final score ≥ 40/100.

A Certificate will have a student name, photograph, and the score in the final examination with the breakup. It will have the logos of NPTEL and IIT/IISc. It will be e-verifiable at nptel.ac.in/noc. Only the e-certificate will be made available. Hard copies will not be dispatched.

The availability NPTEL course/s, of course, keeps on changing as it depends on the request made by the number of institutions, requirement of the respective course, faculties [subject matter experts (SMEs)]and various other factors.

The NPTEL courses are also part of a lifelong learning process.

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Jnana Sangama, Belagavi

VTU Regulations governing the award of 'Honours' at B.E./B.Tech. Degree Programmes

18UG HONRS 1.0 Preamble

These Regulations governing the award of 'Honours' at B.E. / B.Tech., degree programmes have been framed in pursuance of the provisions for this qualification in AICTE model curriculum for undergraduate programmes in Engineering and Technology, Vol. I and II, January 2018 and in the UGC Notification on the Specification of Degrees, March 2014. These provisions aim at facilitating the award of higher qualifications and recognition to well-performing undergraduate students of the University on their acquiring additional credits in the same time period for the programmes. In adopting these provisions, the University has taken steps to ensure that the quality and standard of the Degree awards are not compromised in any way and they continue to be maintained at a high level.

18UG HONRS2.0 Short title, Applicability and Commencement

(a) These Regulations shall be called 'VTU Regulations Governing the award of 'Honours' at B.E./B.Tech. Degree Programmes, 2019.

(b) These Regulations shall be applicable to all B.E./B.Tech. Degree Programmes being conducted by the University and Autonomous Colleges under the University.

(c) These Regulations shall come into force from the date of their notification by the University.

18UG HONRS3.0 Definitions

In these Regulations, unless the context requires otherwise or it is specified so defined:

(a) 'Academic Senate (AS)', 'Executive Council (EC)'mean the respective Authorities of the University.

(b) 'AICTE' means the All India Council for Technical Education established at New Delhi by an act of Parliament in 1987.

(c) 'Coursework' means the courses prescribed for the relevant programme, which the candidate shall successfully complete in the specified time period for the Degree award.

(d) 'e - Resources' mean learning material saved electronically in online storage platforms/ devices for using any – where and any-time accessed online or after being downloaded from the relevant sources.

(e) 'Honours' means a higher recognition awarded to a well performing UG student on earning the specific extra credits after satisfying the relevant Degree award conditions.

01.6.2019

REGISTRAR

(f) 'Intake' means the number of students sanctioned for admission in a year to a Programme/ Department / College as the case may be.

(g) 'MOOCs' mean Massive Open Online Courses in a variety of disciplines available at both introductory and advanced levels, accessible from e-resources in India and abroad.

(h) 'Principal' means the executive head of an affiliated / constituent / autonomous college under the University.

(i) 'Registrar' and 'Registrar (Evaluation)' mean respectively the Registrar and Registrar (Evaluation) of the University.

(j) 'UGC' means the University Grants Commission established at New Delhi by an act of Parliament in 1956.

(k) 'University' means the Visvesvaraya Technological University (VTU) with its headquarters at Belagavi.

(l) 'Vice-Chancellor' means the Vice-Chancellor of the University.

18UG HONRS 4.0 Eligibility Criteria for Registration

Every student of the University intending to register for the 'Honours' qualification shall fulfil the following academic requirements:

(a) Registration to 'Honours' qualification shall start from fifth semester onwards.

(b) The Registrants shall have obtained a grade $\geq$ D in all the courses in the first attempt only, in the semesters until this stage.

(c) The Registrants shall have obtained a CGPA $\geq$ 8.50 at the end of the fourth semester.

(d) The lateral entry Diploma students shall have completed Additional Mathemathics I and II during 3rd and 4th semesters in first attempt only.

(e) The lateral enrty B.Sc students shall have completed Engineering Graphics and Design, and Civil Engineering and Mechanics of First-Year Engineering Programme, by the end of IV semester in first attempt only.

18UG HONRS 5.0 Registration Procedure

(a) Any student meeting the eligibility criteria specified above and intending to register for the Honours qualification shall apply to the University through the Principal of his/her College in the prescribed form along with the prescribed application fees within 15 working days after notification by the University.

(b) There shall be no limit on the intake of students for registration for the Honours qualification. All the applicants fulfilling the eligibility shall be free to register for the Honours qualification.

(c) The Registrar shall notify the registration, or otherwise, of the student/s within the next 15 working days on the University Notice Boards with copies to the Colleges concerned.

(d) If registered, the students shall pay a onet-ime non-refundable registration fee as prescribed by the University to confirm the registration.

18UG HONRS 6.0 Additional Coursework

(a) In addition to the courses prescribed by the University to be completed successfully in the remaining semesters, that is, fifth to eight for the relevant Degree award, each student registered for the Honours qualification shall have to take up the coursework as notified by the university from NPTEL and other platforms and complete each coursework successfully irrespective of the number of attempts, with a final score (Online assignments: 25% + Proctored exam: 75%) leading to NPTEL Elite (60 to 75 %) / Elite + Silver (76 to 89 %) / Elite-Gold (≥ 90 %)certificate, within the minimum prescribed duration for the award of degree.[To be read with 18UG HONRS 6.0 (c)]

(b) Students shall be permitted to drop the registered coursework/s and select alternative coursework/s in case they cannot appear for proctored examination/s or complete the examination as per 18UG HONRS 6 (a).

(c) The University shall announce the BOS approved list of MOOCs (chosen from NPTEL/SWAYAM/other platforms) corresponding to each engineering programme. The University shall have the freedom to review and approve additional online platforms from time to time.

(d) (i) Students shall choose, online courses totaling to **18 or more credits** from the bouquet of approved online courses as defined in 6(a).

(ii) Students shall select, in consultation with the concerned Faculty Advisor, the MOOCs such that the content/syllabus of them are not similar to that of the programmes first to eighth semesters core courses, professional electives or open electives that the student chooses at later semesters of the programme.

In case of violations, the credits earned by the students in such course/s shall not be considered for the summation of prescribed 18 or more credits and hence for the award of Honours degree.

(e) The students shall earn the credits by only appearing in person to the proctored examination conducted by NPTEL/SWAYAM/other platform. No autonomous or non-autonomous colleges under the University can conduct examination and award credits in lieu of NPTEL/SWAYAM/other platform to accrue 18 or more credits for the award of Honours degree.

(f) The method of assessment shall be as per the NPTEL online platform.

(g) The credit equivalence for online NPTEL courses shall be determined based on the following table.

Table: Assigned credits

Online course duration	Assigned credits
04 weeks	01
08 weeks	02
12 weeks	03

18UG HONRS 7.0 Award of Honours Qualification

All the students who successfully complete the online courses as prescribed under 18UG HONRS 6.0 and submit their certificates to the University through Principal of their respective colleges against the notification issued by the Registrar (Evaluation) in time before closure of eighth semester as per calendar shall be eligible for the 'Honours' qualification.

01.6.2020

REGISTRAR
Visvesvaraya Technological University

(a) The Principals of the colleges under VTU shall submit the list of students who are eligible for the award of Honours degree along with the total credit earned by each student and the corresponding MOOC certificates to the University, programme wise, together with the CIE marks of 8th semester.

The list shall be validated by the Faculty Advisor of the students under consideration and endorsed by the Head/Chairperson of the Department.

(b) Those students who cannot/do not submit the certificates on or before the last date prescribed by the University shall not be considered for the award of "Honours' qualification, irrespective of the number of credits earned by them. However, they shall be awarded only B.E./B.Tech. Degree.

(c) The 'Honours' qualification shall be suffixed to the respective degrees and shown in the Degree certificates as a recognition of higher achievement by the student concerned.

(d) The CGPA earned by the students shall be only on the basis of students' performance in the various semester level examinations conducted by the University/ Autonomous colleges, as the case may be.

(e) (i) Students shall maintain a grade $\geq$ D in all the courses of fifth to eight semesters in first attempt only.

(ii) Students failing to maintain a grade $\geq$ D in all the courses of fifth to eight semesters in first attempt only shall discontinue the attempt to earn additional credits.

(iii) Students not having a CGPA $\geq$8.50 at the end of programme shall not be eligible for the award of Honours even if they have satisfied the additional credits consideration prescribed for Honours degree.

(iv) The Principals of respective colleges shall submit to the University the list of such students who fail to satisfy 18UG HONRS 7.0 (e) (i) from time to time.

(v)The Registrar shall notify the list of deregistered students from time to time.

(f) (i) The Honours degree shall be awarded only if the CGPA at end of the B.E. / B.Tech. programme is equal to or greater than 8.50.

(ii) Additional credits earned through NPTEL shall not be considered for CGPA of B.E. / B.Tech. programme as well as rank declaration.

(g) All the students fulfilling 18UG HONS 6 (b) and (c) and 18UG HONS 7 (e) (i) and (f) shall be entitled to receive their transcripts indicating both the achievements of the student concerned.

(h) The award of the Honours degree shall be recommended by the Academic Senate and approved by the Executive Council of the University.

18UG HONRS 8.0 Repeal and Savings

(a) Notwithstanding anything contained in these Regulations, the provisions of any guidelines, orders, rules or regulations in force at the University shall be inapplicable to the extent of their inconsistency with these Regulations.

(b) The University shall issue such orders / instructions, and prescribe such format / procedure, as it may deem fit to implement the provisions of these Regulations.

18UG HONRS 9.0 Interpretation

(a) Any question as to the interpretation of these Regulations shall be decided by the Vice-Chancellor, whose decision shall be final and binding.

(b) The University shall have the powers to issue clarifications to remove any doubt, difficulty or anomaly which may arise during the implementation of the provisions of these Regulations.

01.6.2010

REGISTRAR
Visvesvaraya Technological University,
BELAGAVI - 590 018.

ACHARYA

Acharya Institute of Technology

Affiliated to VTU, Recognized by GOK and Approved by AICTE, New Delhi (Accredited by NAAC and NBA)
Acharya Dr. Sarvepalli Radhakrishnan Road, Acharya P.O., Soladevanahalli, Bangalore-560107, INDIA
www.acharya.ac.in, Ph. No. - 080-22555555, Email: principalait@acharya.ac.in

- VTU Circulars for inviting application for registration BE Honors – On BE Honors Degree
- Students Registered for BE Honors Degree

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
ವಿಟಿಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY
State University of Government of Karnataka Established as per the VTU Act, 1994 "JnanaSangama" Belagavi-590018, Karnataka, India
Prof. B. E. Rangaswamy, Ph.D
REGISTRAR
Phone: (0831) 2498100
Fax: (0831) 2405467

VTU/MYS/VTU-COE/HMCS/88/2024-25 Date: 19-11-2024

NOTIFICATION

Sub: Extending the Applications for Registration to B.E. / B.Tech. Honours Degree Programme – reg.

Ref No 1: VTU/ MYS / VTU-COE / HMCS / 71 / 2024-25

With reference to the above subject, in order to encourage the student's applications for registration to B.E/B.Tech. Honours Degree programme for the academic year 2024-25 has been extended till 30th November 2024.

I. Eligibility for Registration:

1. The students are eligible to register for B.E/B.Tech. Honours Programmes at their 5th semester level by paying onetime non-refundable Registration fee of Rs.1000/-
2. The student shall have obtained a grade ≥ C in all the courses in the first attempt only, in all the semesters until 4th semester (including 4th semester)
3. The students should have obtained a CGPA ≥ 7.5 at the end of 4th semester.
4. The Diploma lateral entry students should have completed the Additional Mathematics I and II during 3rd and 4th Semester in first attempt only.
5. The B.Sc. lateral entry students should have completed the Engineering Graphics and Elements of Civil Engineering of first year Engineering programme by the end of IV semester in first attempt only.

II. Procedure for Registration:

1. a. The students have to register online though https://online.vtu.ac.in

   b. Click on the Sign in button on the top Right Corner.

   c. If the students are New User, Click on Create an account.

   d. Fill your e-mail Id, Phone No, Name and Create a New Password

   e. Click Sign Up, Enter OTP.

f. Login by entering your e-mail Id and Password.

g. You will be taken to the student dashboard. Click on Academics on the top right corner then **Click on Apply for Honour Degree.**

h. Fill up the details and submit form.

1. The Registration fees of Rs.1000/- shall be paid through registration portal only. No other payment mode is accepted and if made, the same will not refunded.
2. This year (2024-25) registration are permitted only to students with **USN XXX22XXXXX (Regular), USN XXX23XX4XX (Diploma Lateral Entry) and USN XXX23XX6XX (B.Sc. Lateral Entry).**
3. There shall be no limit on the intake for registration to B.E./B.Tech Honours
4. The registration shall abide by the regulations governing the award of 'Honours' at B.E./B.Tech. Degree programmes (visit https://vtu.ac.in/en/b-e-b-tech-regulations-honours/ for regulations) and other norms and guidelines issued from time to time.

1	**Commencement of Registration:**	**04-10-2024**
2	**Last Date to Register:**	**30-11-2024**

5. The colleges shall maintain the database of such registered students along with the details their courses successfully completed for obtaining additional credits for award of the Honours Degree. The additional credits obtained after registration will only be considered.
6. The colleges are requested to advice and mentor the students with reference to the conditions prescribed by the University in its Regulations Governing the Degree of B.E/B.Tech. Honours 2020-21(visit: https://vtu.ac.in/en/b-e-b-tech-regulations-honours / for regulations).

The contents of this notification may be brought to the notice of all the concerned.

BY ORDER,

20/11/24

REGISTRAR

To,
The Principals of All Constituent, Affiliated and Autonomous Engineering Colleges under the ambit of VTU, Belagavi

Copy to:

1. Hon'ble Vice Chancellor through the Secretary to VC, VTU, Belagavi for kind information.
2. The Registrar (Evaluation), VTU, Belagavi
3. The Finance Officer, VTU, Belagavi for kind information
4. The Regional Directors (I/c) of all the Regional Offices of VTU for circulation
5. The Directors (I/c), ITISMU, VTU, Belagavi - to upload on VTU website
6. The PS to Registrar, VTU, Belagavi
7. All the concerned Special Officer and Case-workers of Academic Section, VTU, Belagavi

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
"ವಿಟಿಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ,
VISVESVARAYA TECHNOLOGICAL UNIVERSITY
State University of Government of Karnataka Established as per the VTU Act, 1994 "JnanaSangama" Belagavi-590018, Karnataka, India
Prof. B. E. Rangaswamy, Ph.D
REGISTRAR
Phone: (0831) 2498100
Fax: (0831) 2405467

VTU/MYS/VTU-COE/HMCS/71/2024-25 Date: 30-09-2024

NOTIFICATION

Sub: Inviting Applications for Registration to B.E. / B.Tech. Honours Degree Programme – reg.

Ref.No 1: VTU/BGM/ACA/2023/2168.

Ref.No 2: VTU/MYS/COE/LMS/23/2023-24.

With reference to the above subject, in order to encourage the student's applications for registration to B.E/B.Tech. Honours Degree programme for the academic year 2024-25.

I. Eligibility for Registration:

1. The students are eligible to register for B.E/B.Tech. Honours Programmes at their 5th semester level by paying onetime non-refundable Registration fee of Rs.1000/-
2. The student shall have obtained a grade ≥ D in all the courses in the first attempt only, in all the semesters until 4th semester (including 4th semester)
3. The students should have obtained a CGPA ≥ 7.5 at the end of 4th semester.
4. The Diploma lateral entry students should have completed the Additional Mathematics I and II during 3rd and 4th Semester in first attempt only.
5. The B.Sc. lateral entry students should have completed the Engineering Graphics and Elements of Civil Engineering of first year Engineering programme by the end of IV semester in first attempt only.

II. Procedure for Registration:

1. a. The students have to register online though https://online.vtu.ac.in

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   c. If the students are New User, Click on **Create an account.**

   d. Fill your e-mail Id, Phone No, Name and Create a New Password

   e. Click Sign Up, Enter OTP.

f. Login by entering your e-mail Id and Password.

g. You will be taken to the student dashboard. Click on Academics on the top right corner then **Click on Apply for Honour Degree.**

h. Fill up the details and submit form.

1. The Registration fees of Rs.1000/- shall be paid through registration portal only. No other payment mode is accepted and if made, the same will not refunded.
2. This year (2024-25) registration are permitted only to students with **USN XXX22XXXXX (Regular), USN XXX23XX4XX (Diploma Lateral Entry) and USN XXX23XX6XX (B.Sc. Lateral Entry).**
3. There shall be no limit on the intake for registration to B.E./B.Tech Honours
4. The registration shall abide by the regulations governing the award of 'Honours' at B.E./B.Tech. Degree programmes (visit https://vtu.ac.in/en/b-e-b-tech-regulations-honours/ for regulations) and other norms and guidelines issued from time to time.

1	**Commencement of Registration:**	**04-10-2024**
2	**Last Date to Register:**	**30-10-2024**

5. The colleges shall maintain the database of such registered students along with the details their courses successfully completed for obtaining additional credits for award of the Honours Degree. The additional credits obtained after registration will only be considered.
6. The colleges are requested to advice and mentor the students with reference to the conditions prescribed by the University in its Regulations Governing the Degree of B.E/B.Tech. Honours 2020-21(visit: https://vtu.ac.in/en/b-e-b-tech-regulations-honours ,' for regulations).

The contents of this notification may be brought to the notice of all the concerned.

BY ORDER,

01/10/24

REGISTRAR

To,

The Principals of All Constituent, Affiliated and Autonomous Engineering Colleges under the ambit of VTU, Belagavi

Copy to:

1. Hon'ble Vice Chancellor through the Secretary, VTU, Belagavi for kind information.
2. The Registrar (Evaluation), VTU, Belagavi
3. The Finance Officer, VTU, Belagavi for kind information
4. The Regional Directors (I/c) of all the Regional Offices of VTU for circulation
5. The Directors (I/c), ITISMU, VTU, Belagavi – to upload on VTU website
6. The PS to Registrar, VTU, Belagavi
7. All the concerned Special Officer and Case-workers of Academic Section, VTU, Belagavi.

ACHARYA INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belagavi, Govt. of Karnataka. Approved by AICTE, New Delhi and Accredited by NBA and NAAC)

Ref:AIT:EXAM:03:2024-25:3959 Date:05.12.2024

To,
The Special Officer,
Center for Online Education(COE),
VTU Regional office Mysore,
Ring Road, Hanchya Sathagally Layout
Mysuru, Karnataka 570019

Sir,

Sub: Submission of applications for Registration to B.E Honors degree for the academic year 2024-25 -Reg.
Ref: VTU/MYS/VTU-COE/HMCS/71/2024-25 dated: 30.09.2024.
Ref: VTU/MYS/VTU-COE/HMCS/88/2024-25 dated: 19.11.2024.

With reference to the above subject, herewith submitting the application along with fee paid receipts for registration to BE Honors degree for the academic year 2024-25 for kind perusal. The details are enclosed.

Kindly acknowledge the receipt of the letter.

Thanking you,

Yours Sincerely,

PRINCIPAL
PRINCIPAL
ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107

Copy to:

1. The Registrar (Evaluation) VTU, Belagavi.....for kind information.

ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU-560107

ANNEXURE-II

DETAILS OF REGISTRATION FOR BE HONOURS 2024-2025

Sl. no	College Name	Region	Name of Student	University Seat Number	Gender	Caste/Category (GM/SC/ST/OBC)	CGPA until 4th Semester	Documents Attached(1st to 4th semester Grade cards/result sheets)	Fees Paid (Rs.1000/- Non-refundable)		Remarks
									Date	Transaction ID	
ELECTRONICS AND COMMUNICATION ENGINEERING											
1	Acharya Institute of Technology	Bengaluru	ARPITHA H N	1AY22EC016	F	OBC	9.01	YES	27-11-2024	469836871146	
2	Acharya Institute of Technology	Bengaluru	H M BRUNDA	1AY22EC036	F	OBC	9.46	YES	25-11-2024	T241125160915814 4447258	

PRINCIPAL
ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU-560 107

ACHARYA INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belagavi, Govt. of Karnataka. Approved by AICTE, New Delhi and Accredited by NBA and NAAC)

Ref:AIT:EXAM:03:2024-25: 3916 Date:04.11.2024

To,
The Special Officer,
Center for Online Education(COE),
VTU Regional office Mysore,
Ring Road, Hanchya Sathagally Layout
Mysuru, Karnataka 570019

Sir,

Sub: Submission of applications for Registration to B.E Honors degree for the academic year 2024-25 -Reg.
Ref: VTU/MYS/VTU-COE/HMCS/71/2024-25 dated: 30.09.2024.

With reference to the above subject, herewith submitting the application along with fee paid receipts for registration to BE Honors degree for the academic year 2024-25 for kind perusal. The details are enclosed

Kindly acknowledge the receipt of the letter.

Thanking you,

Yours Sincerely,

4/11/24

PRINCIPAL

ACHARYA INSTITUTE OF TECHNOLOGY
SOLADEVANAHALLI, BENGALURU- 560107

4/11/24

Copy to:

1. The Registrar (Evaluation) VTU, Belagavi.....for kind information.

ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU-560107

ANNEXURE-II

DETAILS OF REGISTRATION FOR BE HONOURS 2024-2025

Sl. no	College Name	Region	Name of Student	University Seat Number	Gender	Caste/Category (GM/SC/ST/OBC)	CGPA until 4th Semester	Documents Attached(1st to 4th semester Grade cards/result sheets)	Fees Paid (Rs.1000/- Non-refundable)		Remarks
									Date	Transaction ID	
AERONAUTICAL ENGINEERING											
1	Acharya Institute of Technology	Bengaluru	PRAMOD THARU	1AY22AE034	M	GM	8.81	YES	26-10-2024	430053106356	
2	Acharya Institute of Technology	Bengaluru	RAJAT KUMAR MAHASETH	1AY22AE037	M	GM	9.07	YES	27-10-2024	430150411948	
BIO-TECHNOLOGY											
1	Acharya Institute of Technology	Bengaluru	CHANDANA G R	1AY22BT009	F	ST	7.91	YES	19-10-2024	T2410192338351075760055	
2	Acharya Institute of Technology	Bengaluru	M HRIDEK	1AY22BT017	M	GM	8.65	YES	29-10-2024	430342229723	
3	Acharya Institute of Technology	Bengaluru	P SIRISHA	1AY22BT022	F	GM	8.79	YES	30-10-2024	T2410301251596368085598	
4	Acharya Institute of Technology	Bengaluru	PAYAL RAJKUMAR	1AY22BT023	F	GM	8.9	YES	30-10-2024	T241030062747182 8545605	
5	Acharya Institute of Technology	Bengaluru	SHREEKANTH K	1AY22BT031	M	GM	8.9	YES	30-10-2024	430413390327	
6	Acharya Institute of Technology	Bengaluru	SHRIDHAR K	1AY22BT032	M	GM	9.1	YES	30-10-2024	T2410301413463772491639	
7	Acharya Institute of Technology	Bengaluru	SNEHA MARUTI KOMANNAVAR	1AY22BT034	F	ST	7.67	YES	24-10-2024	PCukX7P9N5ctmV	
8	Acharya Institute of Technology	Bengaluru	SNEHA N	1AY22BT035	F	GM	8.13	YES	30-10-2024	430433807299	
COMPUTER SCIENCE AND ENGINEERING											
1	Acharya Institute of Technology	Bengaluru	ABHINAV PRATEEK	1AY22CS004	M	GM	8.21	YES	20-10-2024	PBByhDy3QbUqtA	
2	Acharya Institute of Technology	Bengaluru	AISHWARYA SHETTY C	1AY22CS015	F	OBC	8.74	YES	26-10-2024	430001618042	
3	Acharya Institute of Technology	Bengaluru	ANWESHA PATRA	1AY22CS026	F	GM	8.35	YES	29-10-2024	pay_PEkzV4EjNQrRqA	
4	Acharya Institute of Technology	Bengaluru	ARPITA SAXENA	1AY22CS030	F	GM	8	YES	29-10-2024	430312976546	

DETAILS OF REGISTRATION FOR BE HONOURS 2024-2025

Sl. no	College Name	Region	Name of Student	University Seat Number	Gender	Caste/Category (GM/SC/ST/OBC)	CGPA until 4th Semester	Documents Attached(1st to 4th semester Grade cards/result sheets)	Fees Paid (Rs.1000/- Non-refundable)		Remarks
									Date	Transaction ID	
5	Acharya Institute of Technology	Bengaluru	BHOOMIKA K G	1AY22CS044	F	GM	7.82	YES	29-10-2024	pay_PEnHwRiskM5Jq2	
6	Acharya Institute of Technology	Bengaluru	DIYA JANNU	1AY22CS059	F	OBC	9.05	YES	27-10-2024	430122263577	
7	Acharya Institute of Technology	Bengaluru	LAKSHMIDEVI Y M	1AY22CS090	F	ST	8.3	YES	30-10-2024	T241301141122272229474	
8	Acharya Institute of Technology	Bengaluru	LAVANYA V	1AY22CS091	F	OBC	8.39	YES	29-10-2024	pay_PEI3MlhDK4p79x	
9	Acharya Institute of Technology	Bengaluru	MADHURA S N	1AY22CS097	F	OBC	8.835	YES	30-10-2024	PEpwakYEqbMyhX	
10	Acharya Institute of Technology	Bengaluru	NYDILE C GANIGA	1AY22CS120	F	OBC	7.86	YES	30-10-2024	pay_PF6XZ2LLnoOMbh	
11	Acharya Institute of Technology	Bengaluru	P DILIP SRI SATYA CHAITANYA	1AY22CS121	M	OBC	8.29	YES	30-10-2024	T241030100751763 6020736	
12	Acharya Institute of Technology	Bengaluru	PARVEJ KHAN	1AY22CS125	M	GM	9.1	YES	30-10-2024	430492240696	
13	Acharya Institute of Technology	Bengaluru	PATEL VISHALKUMAR JITENDRAKUMAR	1AY22CS126	M	GM	8.85	YES	23-10-2024	429771785944	
14	Acharya Institute of Technology	Bengaluru	PAVAN H S	1AY22CS127	M	OBC	8.51	YES	29-10-2024	430323555818	
15	Acharya Institute of Technology	Bengaluru	PRADYUMNA Y	1AY22CS129	M	GM	7.69	YES	30-10-2024	430478614304	
16	Acharya Institute of Technology	Bengaluru	PRAKRUTHI B	1AY22CS134	F	GM	8.95	YES	29-10-2024	296787683034	
17	Acharya Institute of Technology	Bengaluru	PRAVALLIKA K	1AY22CS135	F	OBC	9.32	YES	29-10-2024	T241029151824493 7496392	
18	Acharya Institute of Technology	Bengaluru	PREETHAM M N	1AY22CS136	M	OBC	9.18	YES	18-10-/2024	pay_PAMxVY1UMzbAJ5	

DETAILS OF REGISTRATION FOR BE HONOURS 2024-2025

Sl. no	College Name	Region	Name of Student	University Seat Number	Gender	Caste/Category (GM/SC/ST/OBC)	CGPA until 4th Semester	Documents Attached(1st to 4th semester Grade cards/result sheets)	Fees Paid (Rs.1000/- Non-refundable)		Remarks
									Date	Transaction ID	
19	Acharya Institute of Technology	Bengaluru	PRERANA C M	1AY22CS137	F	OBC	9	YES	29-10-2024	T241029095844396 4052247	
20	Acharya Institute of Technology	Bengaluru	PUJALA PAVAN KALYAN	1AY22CS141	M	GM	8.24	YES	24-10-2024	T241024192356437 7431552	
21	Acharya Institute of Technology	Bengaluru	PURUSHOTHAM S	1AY22CS142	M	OBC	8.38	YES	28-10-2024	217893033024	
22	Acharya Institute of Technology	Bengaluru	RAJVEER SINGH KATOCH	1AY22CS146	M	GM	8.12	YES	30-10-2024	467048520090	
23	Acharya Institute of Technology	Bengaluru	RAKESH G	1AY22CS147	M	OBC	8.91	YES	29-10-2024	466961503585	
24	Acharya Institute of Technology	Bengaluru	RATNESH PRAKASH YADAV	1AY22CS150	M	GM	8.3	YES	30-10-2024	467017922373	
25	Acharya Institute of Technology	Bengaluru	S YASHASHVINI	1AY22CS157	F	GM	9.1	YES	23-10-2024	pay_PCTwXTsMR1h gMA	
26	Acharya Institute of Technology	Bengaluru	SANA K S	1AY22CS161	F	GM	8.67	YES	29-10-2024	pay_PEmJIEkj1S1z Ha	
27	Acharya Institute of Technology	Bengaluru	SANYA KARUMBAIAH	1AY22CS164	F	GM	8.51	YES	29-10-2024	pay_PEngLwRI96Q Zjs	
28	Acharya Institute of Technology	Bengaluru	SAYAN SAHA	1AY22CS167	M	SC	8.11	YES	30-10-2024	T241030131620647 2856207	
29	Acharya Institute of Technology	Bengaluru	SHALINI D B	1AY22CS169	F	OBC	8.52	YES	23-10-2024	429764139762	
30	Acharya Institute of Technology	Bengaluru	SHUKTHIJA	1AY22CS178	F	OBC	8.14	YES	29-10-2024	pay_PEnvy4vVBpbR wx	
31	Acharya Institute of Technology	Bengaluru	SNEHA JANU	1AY22CS180	F	GM	8.47	YES	29-10-2024	pay_PEnAJulluBMle G	
32	Acharya Institute of Technology	Bengaluru	SRIYA ALLA	1AY22CS182	F	OBC	9.27	YES	30-10-2024	T241030131655689 4070145	

DETAILS OF REGISTRATION FOR BE HONOURS 2024-2025

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									Date	Transaction ID	
3	Acharya Institute of Technology	Bengaluru	MADHUSHREE D	1AY22IS047	F	OBC	9.5	YES	29-10-2024	T241029124654514 9678535	
4	Acharya Institute of Technology	Bengaluru	PIYUSH KUMAR SODHI	1AY22IS063	M	OBC	8.94	YES	30-10-2024	467084413721	
5	Acharya Institute of Technology	Bengaluru	UTSAV MISHRA	1AY22IS121	M	GM	7.55	YES	26-10-2024	430064586499	
MECHANICAL ENGINEERING											
1	Acharya Institute of Technology	Bengaluru	KISHORE S	1AY22ME008	M	OBC	7.73	YES	30-10-2024	T241030114446305 1094264	
2	Acharya Institute of Technology	Bengaluru	AYUSH SATHEESH	1AY22ME005	M	OBC	7.67	YES	30-10-2024	467030417747	
MECHATRONICS ENGINEERING											
1	Acharya Institute of Technology	Bengaluru	SUPRAV BHATTARAI	1AY22MT030	M	GM	8.47	Yes	24-10-2024	T241024103842992 9256586	

4/11/24

PRINCIPAL
ACHARYA INSTITUTE OF TECHNOLOGY
SOLADEVANAHALLI, BENGALURU-560107

04/11/24

DETAILS OF REGISTRATION FOR BE HONOURS 2024-2025

Sl. no	College Name	Region	Name of Student	University Seat Number	Gender	Caste/Category (GM/SC/ST/OBC)	CGPA until 4th Semester	Documents Attached(1st to 4th semester Grade cards/result sheets)	Fees Paid (Rs.1000/- Non-refundable)		Remarks
									Date	Transaction ID	
33	Acharya Institute of Technology	Bengaluru	SRUJANA B	1AY22CS184	F	OBC	7.87	YES	29-10-2024	T241029103546837 1889700	
34	Acharya Institute of Technology	Bengaluru	SUDEEP DHARMAPPA BHANDARI	1AY22CS186	M	OBC	8.27	YES	29-10-2024	466989631898	
35	Acharya Institute of Technology	Bengaluru	VIJAYALAKSHMI B T	1AY22CS209	F	OBC	8.2	YES	29-10-2024	T241029163135157 0688112	
36	Acharya Institute of Technology	Bengaluru	DIVYA BHARTI	1AY22CS217	F	GM	8.75	YES	19-10-2024	T241019132140286 6251022	
CIVIL ENGINEERING											
1	Acharya Institute of Technology	Bengaluru	HAMPE MARUTHI MOHAN	1AY22CV008	M	GM	8.16	YES	24-10-2024	429807077098	
2	Acharya Institute of Technology	Bengaluru	PRERANA S N	1AY22CV015	F	SC	7.85	YES	25-10-2024	429928174588	
3	Acharya Institute of Technology	Bengaluru	VARSHITHA O	1AY22CV021	F	GM	8.56	YES	25-10-2024	T241025143511681 5988765	
4	Acharya Institute of Technology	Bengaluru	JYOTHI L	1AY23CV405	F	GM	7.6	YES	25-10-2024	T241025141638933 1723563	
5	Acharya Institute of Technology	Bengaluru	RAKSHA K L	1AY23CV418	F	GM	8.85	YES	25-10-2024	T241025135416623 9673898	
ELECTRONICS AND COMMUNICATION ENGINEERING											
1	Acharya Institute of Technology	Bengaluru	VARUN KUMAR B V	1AY22EC114	M	GM	8.1	YES	30-10-2024	T241030140610163 3069312	
ELECRICAL AND ELECTRONICS ENGINEERING											
1	Acharya Institute of Technology	Bengaluru	SHREYAS S	1AY22EE039	M	GM	7.9	YES	15-10-2024	428933523074	
INFORMATION SCIENCE AND ENGINEERING											
1	Acharya Institute of Technology	Bengaluru	ANJALI T S	1AY22IS007	F	GM	9.025	YES	26-10-2024	430011439444	
2	Acharya Institute of Technology	Bengaluru	HEMAMALINI V	1AY22IS031	F	GM	9.6	YES	29-10-2024	430314466440	

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
("ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)
VISVESVARAYA TECHNOLOGICAL UNIVERSITY
(State University of Government of Karnataka Established as per the VTU Act, 1994)"Jnana Sangama" Belagavi-590018, Karnataka, India)
Prof. B. E. Rangaswamy, Ph.D.
REGISTRAR
Phone: (0831) 2498100
Fax: (0831) 2405467

REF: VTU/BGM/BOS/New UG-PG Prog/2023-24/4616 DATE: 5 DEC 2023.

CIRCULAR

Subject: Extension of the registration date for B.E./B.Tech. (Hons) program for the students who are having their USN as xxx21xxxxx (Regular), xxx22xx4xx (Diploma Lateral entry) and xxx22xx6xx (B.Sc., lateral entry) regarding...

Reference: VTU/BGM/BOS/Hons Reg/2023-24 /4110, Dated: 15.11.2023

Based on the telephonic request made by the stakeholders, also classess for 5th semesters are started from 25th of November 2023, the **last date for registration for the B.E./ B. Tech., ...Honours programs has been postponed to 20.12.2023.**

The faculty coordinator /mentor for Honours degree program is hereby informed to encourage the students for registration who are having CGPA ≥ 7.5 at the end of the 4th semester.

All the principals of the engineering colleges are hereby informed to bring the content of the circular to the notice of all students concerned and faculty who are mentoring for Hons programs.

Sd/-
Registrar

To,
All the Principals of Affiliated /Constituent Engineering Colleges, under the University.
The Chairperson / Program Coordinator, University Department at Kalaburagai, Belagavi, Bengaluru and Mysuru

Copy to:

1. The Hon'ble Vice-Chancellor through the secretary to VC VTU Belagavi for information
2. The Registrar (Evaluation) VTU Belagavi for information and needful
3. The Director, ITI SMU, VTU Belagavi for information and request to make arrangements for uploading this circular on the VTU web portal in the section of Circular/Notification @ https:// vtu.ac.in/ en/ category/ administration/
4. The Chairperson/s Board of Studies in Mechanical Engineering and its allied branches
5. The Special Officer, QPDS Examination Section VTU Belagavi for needful.
6. Office Copy

05/12/23
REGISTRAR

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

(State University of Government of Karnataka Established as per the VTU Act, 1994)"Jnana Sangama" Belagavi-590018, Karnataka, India)

Prof. B. E. Rangaswamy, Ph.D.
REGISTRAR

Phone: (0831) 2498100
Fax: (0831) 2405467

REF: VTU/BGM/BOS/Hons Reg/2023-24/4110 DATE: 15 NOV 2023.

NOTIFICATION

Subject: Inviting Applications for Registration to B.E. / B.Tech. Honors Degree Programme for the academic year 2023-24reg...

Reference:
- Notification VTU/BGV/OS-Aca/2020-21/369, Dated: 03.07.2023
- Regulations Governing the Honours Degree Program
- Hon'ble Vice-Chancellor's approval Dated:

Preamble: The Honor degree provisions aim to facilitate the award of higher qualifications and recognition to well-performing undergraduate students of the University for acquiring additional credits in the same periodof the programs.
According to resolution 2.2.2 of the 172nd EC meeting held on May 17, 2023, the eligibility to register for the honors program, which was 8.5 CGPA up until the fourth semester of the Engineering Degree program, has been lowered to **7.5 CGPA**. All NPTEL courses for honors degree programs will be made available **through the VTU website @ http://www.online.vtu.ac.in**

Concerning the above, applications for registration for B.E. / B.Tech. Honors Degree Programs for the academic year 2023-24 are invited from eligible students.

I. Eligibility for Registration:

1. The student is eligible to register for B.E/B.Tech. Honors Programmes at their 5th-semester level by paying a one-time nonrefundable Registration fee of Rs. **1,000/-**
2. The student shall have obtained a grade ≥C in all the courses in the first attempt only, in all the semesters untilthe 4th semester (including the 4th semester)
3. The students should have obtained a **CGPA ≥7.5** at the end of 4th semester.
4. The Diploma lateral entry students should have completed all the subjects/courses during 3rd and 4thsemestersonthe **first attempt** only including ridge courses if any.
5. The B.Sc. lateral entry B.Sc. students should have completed the Engineering Graphics and Elements of Civil Engineering of the year Engineering program by the end of the IV semester onthe first attempt only.

II. Procedure for Registration:

1. The students have to register online through https://online.vtu.ac.in
   - Click on the **Sign-in** button on the top Right Corner.
   - If the students are **New Users**, Click on **Create an account.**

- **Fill** in your e-mail ID, Phone No, and Name and **Create a New Password**
- Click Sign Up, Enter **OTP**.
- **Login** by entering your e-mail ID and Password.
- You will be taken to the student dashboard. Click on **Academics** on the top right corner then **Click on Apply for Honour Degree.**
- Fill up the details and submit the form.
- The College mentors for the honours degree programhave to assist the student in the Registration and autonomous colleges have to verify and approve the registrations.

2. The non-refundable Registration fees of Rs.1000/- shall be paid through the registration portal only. No other payment mode is accepted.

3. This year (2023-24) registration is permitted only to students **with USN xxx21xxxxx (Regular), USN xxx22xx4xx (Diploma Lateral Entry) and USN xxx22xx6xx (B.Sc. Lateral Entry).**

4. There shall be no limit on the intake for registration to B.E./B. Tech Honours

5. The registrant shall abide by the regulations governing the award of 'Honours' at B.E./B.Tech. Degree programs (visit https://vtu.ac.in/en/b-e-b-tech-regulations-honours/ for regulations) and other norms and guidelines issued from time to time

III. **Registration and other date;**

1. Commencement of the Registration: **16th November 2023**
2. The last date for the registration **30th November 2023**
3. The last date for submission of the list of the students who have registered in the **Excel format only** **09th December 2023**
4. The colleges shall maintain the database of such registered students along with the details of their courses completed for obtaining additional credits for the award of the Honours Degree. The additional credits obtained after registration will only be considered.

6. The colleges are requested to advise and mentor the students concerning the conditions prescribed by the University in its Regulations Governing the Degree of B.E/B.Tech. Honours 2020-21(visit: https://vtu.ac.in/en/b-e-b-tech-regulations-honours / for regulations).

7. For any clarification you may contact us through email: **onlineprograms@vtu.ac.in / vtucoe@gmail.com** and **+91 9480223900 / 0821-2570223**

8. Each student has to submit the registration details as per **Annexure-I**

9. The college has to submit soft copy of the details of students registered for academic year 2023-24 in the Excel format as shown in **Annexure-II**

The contents of this notification may be brought to the notice of all the concerned.

Sd/-
REGISTRAR

To,

- **The Principals of All Constituent, Affiliated,and AffiliatedAutonomous Engineering Colleges under the ambit of VTU, Belagavi.**
- **The Chairpersons /Program Coordinators of University Departments at Bengaluru, Belagavi, Kalaburagi and Mysuru**

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3. The Finance Officer, VTU, Belagavi for information
4. The Regional Directors (I/C) of all the Regional Offices of VTU for circulation to all the principals of your region
5. The Director, ITISMU, VTU, Belagavi- to upload the Notification on the VTU web portal
6. The PS to Registrar, VTU, Belagavi
7. All the concerned Special Officer and Case-workers of Academic Section, VTU, Belagavi

15/11/23
REGISTRAR

15/11/23

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

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Prof. B. E. Rangaswamy, Ph.D.
REGISTRAR

Phone: (0831) 2498100
Fax: (0831) 2405467

REF: VTU/BGM/BOS/Hons Reg/2023-24/4110 DATE: 15 NOV 2023

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6. The colleges are requested to advise and mentor the students concerning the conditions prescribed by the University in its Regulations Governing the Degree of B.E/B.Tech. Honours 2020-21(visit: https://vtu.ac.in/en/b-e-b-tech-regulations-honours / for regulations).

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Sd/-
REGISTRAR

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- **The Chairpersons /Program Coordinators of University Departments at Bengaluru, Belagavi, Kalaburagi and Mysuru**

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3. The Finance Officer, VTU, Belagavi for information
4. The Regional Directors (I/C) of all the Regional Offices of VTU for circulation to all the principals of your region
5. The Director, ITISMU, VTU, Belagavi- to upload the Notification on the VTU web portal
6. The PS to Registrar, VTU, Belagavi
7. All the concerned Special Officer and Case-workers of Academic Section, VTU, Belagavi

15/11/23
REGISTRAR

15/11/23

Annexure-I

REGISTRATION FOR B.E. /B.Tech., _____ with Honours

(Applicable for the students who are having their USN- xxx21xx4xx (Regular) xxx22xx4xx(Lateral Entry Diploma Students) and xxx21xx 6xx (BSc students)

01	Name of the student in full as registered in the University	
02	Fix the latest photo USN:	
03	Name of the College	
04	Gender	
05	Nationality	
06	Year of Registration to Hons degree program	2023-24
07	Documents attached	1st to 4th semester grade cards/ result sheet
08	Payment of Registration fee (Non-refundable) Rs. 1000. 00	Transaction ID---- Date:
09	Declaration by the student; I hereby, solemnly and sincerely affirm that the information furnished in my application along with the documents submitted by me is true. Should it, however, be found that any information furnished is found to be false; I realize that I am liable for action and that my admission to the program shall be forfeited. I, hereby solemnly and sincerely affirm that I have read and understood the University regulations Governing the degree of award of Honours and I will abide by the existing and time-to-time issued regulations/guidelines/norms of the university. Place: Date: **Signature of Student** **Signature of the Principal**	

10	**Instructions to Candidates;** • The application duly filled should be **sent to the university** through the principal of the college • The attested (by the principal of the college) copies of the marks card should be attached to the application. (**do not attach the original certificates or marks cards**) • Unsigned /incomplete /wrongly filled applications are liable to **rejection** • Hard copy to be submitted to **Special Officer, Centre for Online Education (COE), VTU Regional Office, Mysuru.**

Annexure-II

College Name	Region	Name of the student	USN	Gender	Caste/Category (GM/SC/ST/OBC)	CGPA after 4th semester	Document attached	Fees paid		Remarks if any
								Date	Transaction ID	

The college has to send a soft copy in EXCEL format to sbhvtuso@yahoo.com / prakruthiso23@gmail.com

ACHARYA INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belagavi, Govt. of Karnataka. Approved by AICTE, New Delhi and Accredited by NBA and NAAC)

Ref: AIT:Exam-03:2023-24/3623

Date: 21.12.2023

To,
The Registrar (Evaluation)
Visvesvaraya Technological University,
Jnana Sangama, Machche,
Belagavi – 590018

Sir,

Sub: Submission of applications for registration to B.E honors degree for the academic year 2023-24 -Reg.
REF:VTU/BGM/BOS/Hons Reg/2023-24/4110 dated: 15-11-2023
REF:VTU/BGM/BOS/New-UG-PG Prog/2023-24/4616 dated:05-12-2023

With reference to the above subject, herewith submitting the Application along with fee paid receipts for Registration to BE honors degree for the academic year 2022-23 for kind perusal. The Details are enclosed.

Kindly acknowledge receipt of the letter.

Thanking you,

Yours faithfully

PRINCIPAL

ARYA INSTITUTE OF TECHNOLOGY
ADEVANAHALLI, BENGALURU-560107

REGISTRATION FOR BE HONOURS 2023-2024

Sl. no	Name of Student in full (in block letter) as registered in the University	University Seat Number	Gender	Caste/Category (GM/SC/ST/OBC)	Nationality	CGPA until 4th Semester	Documents Attached(1st to 4th semester Grade cards/result sheets)	Payments of Registration Fee (onetime no-refundable)	Rs.1020/- Transaction ID Date:	Remarks
	AERONAUTICAL ENGG									
1	AISHWARYA SINGH	1AY21AE004	F	CHAMAR	INDIAN	8.1	YES	Rs.1020	T23112720120622392 89268 27.11.2023	
2	H V HANUMANTHU	1AY21AE018	M	KURUBA	INDIAN	7.81	YES	Rs.1020	T23112820223738742 119820 28.11.2023	
3	KAVAL ALMAS	1AY21AE019	F	SUNI MUSLIMS	INDIAN	8.01	YES	Rs.1020	T23120610371970688 76760 06.12.2020	
4	MITHUL V C	1AY21AE021	M	THIYAN	INDIAN	8.46	YES	Rs.1020	T23113022012062093 91040 30.11.2023	
5	SANDHYA S	1AY21AE034	F	KSHATRIYA	INDIAN	8.7	YES	Rs.1020	333495666108 30.11.2023	
6	SHREYA DEEPAK DESAI	1AY21AE037	F	JAINS (Digambaras	INDIAN	8.7	YES	Rs.1020	333481045919 30.12.2023	
7	SUDEEP GOWDA G	1AY21AE042	M	VOKKALIGA	INDIAN	7.9	YES	Rs.1020	333113318243 27.11.2023	
8	T PUSHPA	1AY21AE043	F	NEYGI	INDIAN	8.3	YES	Rs.1020	T23113023240292472 06197 30.11.2023	
9	VIDYASHREE	1AY21AE049	F	VEERASHAIVA LINGAYAT	INDIAN	8.77	YES	Rs.1020	T23113022234791583 09170 30.11.2023	
10	TANUSHREE S	1AY21AE044	F	TIGALA	INDIAN	7.925	YES	Rs.1020	T23121811313188724 93964 18.12.2023	
	ARTIFICIAL INTELLIGENCE & MACHINE LEARNING									
1	AMOGHA DESHPANDE	1AY21AI004	M	GM	INDIAN	7.8	YES	Rs.1020	T23121215502819881 34856 12.12.2023	
2	CHANDRASHEKHAR ANUDEEP	1AY21AI012	M	GM	INDIAN	8.36	YES	Rs.1020	T23120814093645272 10612 08.12.2023	
3	EBI SOJAN	1AY21AI015	M	GM	INDIAN	7.5	YES	Rs.1020	334011224867 06.12.2023	
4	GAUTHAM D V	1AY21AI017	M	GM	INDIAN	8.45	YES	Rs.1020	370700290455 07.12.2023	
5	JAGARLAMUDI VINAY KRISHNA	1AY21AI020	M	GM	INDIAN	8.16	YES	Rs.1020	T23121314133010892 83442 13.12.2023	
6	KARTHIK KRISHNA	1AY21AI022	M	GM	INDIAN	7.5	YES	Rs.1020	334047280982 06.12.2023	
7	KAVANA C	1AY21AI023	F	OBC	INDIAN	7.95	YES	Rs.1020	T23120715420784988 59555 07.12.2023	
8	MADARAPU GUNA SEKHAR	1AY21AI030	M	GM	INDIAN	7.93	YES	Rs.1020	334140027204 07.12.2023	
9	PILLIMETLA MASTHANAIAH	1AY21AI037	M	GM	INDIAN	8.89	YES	Rs.1020	N93103auRdgkm1 06.11.2023	
10	VARSHITHA V M G	1AY21AI058	F	OBC	INDIAN	7.58	YES	Rs.1020	T23120717132576119 98447 07.12.2023	
11	RINKU RATHORE	1AY21AI064	F	GM	INDIAN	9.23	YES	Rs.1020	334031840909 06.12.2023	
12	ABIN GEORGE CHITTANKARA	1AY21AI065	M	GM	INDIAN	7.8	YES	Rs.1020	370624587566 06.12.2023	
	BIO-TECHNOLOGY									
1	AISWARYA K NAGGOL	1AY21BT001	F	OBC	INDIAN	8.02	YES	Rs.1019	333385977491 29.11.20222	
2	AKSHATA	1AY21BT002	M	SC	INDIAN	8.29	YES	Rs.1020	T231129214448714 3752456 29.11.20223	
3	AMULYA N S	1AY21BT004	F	OBC	INDIAN	7.85	YES	Rs.1020	T231129225404346 5623038 29.11.2023	
4	ASWATHI V NAIR	1AY21BT007	M	GM	INDIAN	8.48	YES	Rs.1020	T23121416021276346 88066 14.12.2023	
5	DIANA MARY	1AY21BT011	F	OBC	INDIAN	7.51	YES	Rs.1020	T23113020482287374 71867 30.11.2023	
6	FLORA D SILVA	1AY21BT012	F	OBC	INDIAN	8.51	YES	Rs.1020	370031308300 30.11.2023	

7	MANASA C	1AY21BT015	M	SC	INDIAN	7.56	YES	Rs.1020	4346588504693390 29.11.2023	
8	MARIA SNEHA A	1AY21BT017	F	OBC	INDIAN	8.63	YES	Rs.1020	T231130192202492 3548791 30.11.2023	
9	NANDA LAKKAPPA KURI	1AY21BT019	F	OBC	INDIAN	8.25	YES	Rs.1020	T231215419379180 343290 15.12.2023	
10	RANJITHA R	1AY21BT024	M	OBC	INDIAN	7.68	YES	Rs.1020	T231202170917005 1295359 02.12.2023	
11	VIDHYA G	1AY21TB035	F	GM	INDIAN	7.66	YES	Rs.1020	333419098486 30.11.2023	
12	YAGINI SRI R	1AY21BT037	M	OBC	INDIAN	7.66	YES	Rs.1020	333384544797 29.11.2023	

COMPUTER SCIENCE AND ENGG

1	AADARSH SHIBU	1AY21CS002	M	OBC	INDIAN	7.77	YES	Rs.1020	334416554802 10.12.2023	
2	ADILKHAN H KULKARNI	1AY21CS013	M	GM	INDIAN	8	YES	Rs.1020	333390526478 29.11.2023	
3	ANANYA A S	1AY21CS026	F	GM	INDIAN	9.69	YES	Rs.1020	T231129174041151361 3525 29.11.2023	
4	ANJALI K S	1AY21CS029	F	GM	INDIAN	9.19	YES	Rs.1020	333328662199 29.11.2023	
5	BHAVANA B HALLIKERI	1AY21CS040	F	OBC	INDIAN	8.73	YES	Rs.1020	T231130161915230275 8565 30.11.2023	
6	DEEPA TENDULKAR	1AY21CS051	F	GM	INDIAN	9.07	YES	Rs.1020	T231129144455974011 8590 29.11.2023	
7	HANJI RANJAN	1AY21CS060	M	OBC	INDIAN	9.25	YES	Rs.1020	334321529105 09.12.2023	
8	IZHAN MASOOD BAB	1AY21CS068	M	GM	INDIAN	8.71	YES	Rs.1020	334448792639 10.12.2020	
9	JOCELYN MARIAM THOMAS	1AY21CS070	F	GM	INDIAN	7.69	YES	Rs.1020	NAK5goJ13VfGTP 09.12.2023	
10	KRISHNANDAN PANDIT	1AY21CS081	M	GM	NEPALESE	9.42	YES	Rs.1020	370828679743 08.12.2023	
11	KODIDELA AJAY KUMAR REDDY	1AY21CS080	M	GM	INDIAN	9.71	YES	Rs.1020	334216356 08.12.2023	
12	KAVYA B V	1AY22CS408	F	OBC	INDIAN	7.94	YES	Rs.1020	T231211191143113549 3599 11.12.2023	
13	KEERTHANA K H	1AY21CS078	F	OBC	INDIAN	9.2	YES	Rs.1020	T231209144501997556 9800 09.12.2023	
14	KAREGOWDRA RADHAKRISHNA HARIKRISHNA	1AY21CS073	M	OBC	INDIAN	8.9	YES	Rs.1020	334339688159 09.12.2023	
15	LASYA KUNA	1AY21CS085	F	GM	INDIAN	9.1	YES	Rs.1020	334309146141 09.12.2023	
16	MAHESHKUMAR JAIN	1AY21CS093	M	OBC	INDIAN	9	YES	Rs.1020	T231209151951267298 6805 09.12.2023	
17	MUNEEB FIRDOUS DAR	1AY21CS110	M	GM	INDIAN	8.15	YES	Rs.1020	334339564006 09.12.2023	
18	MANOJ T	1AY21CS097	M	OBC	INDIAN	9.1	YES	Rs.1020	334653944568 12.12.2023	
19	MADESH P	1AY21CS091	F	GM	INDIAN	7.79	YES	Rs.1020	T231208225431068569 0940 08.12.2023	
20	NISHKA KUMAR	1AY21CS120	F	GM	INDIAN	9.49	YES	Rs.1020	370852611543 08.12.2023	
21	NARMATHA S	1AY21CS113	F	OBC	INDIAN	9.13	YES	Rs.1020	334322548222 09.12.2023	
22	NANDAN VISHWANATH HEGDE	1AY21CS112	M	GM	INDIAN	9.03	YES	Rs.1020	334321360121 09.12.2023	
23	SAVITRI SANTI	1AY21CS166	F	OBC	INDIAN	9.02	YES	Rs.1020	370025250418 30.11.2023	
24	SNEHAL DEEPAK BHASME	1AY22CS415	F	OBC	INDIAN	7.7	YES	Rs.1020	T231205174315804385 0144 05.12.2023	
25	VIJAY KUMAR B A	1AY21CS206	M	SC	INDIAN	8.73	YES	Rs.1020	334321619719 09.12.2023	

26	VINEET GAUTAM	1AY21CS209	M	OBC	INDIAN	7.7	YES	Rs.1020	333392532853 29.11.2023	
27	RAUNAK PRIYADARSHI YADAV	1AY21CS148	M	GM	INDIAN	9.41	YES	Rs.1020	334276314237 08.12.2023	
28	RISHITA VITHAL KULKARNI	1AY21CS151	F	GM	INDIAN	8.88	YES	Rs.1020	N6dhqQbSX7Gb60 30.11.2023	
	CIVIL ENGG									
1	RITIK ROSHAN SHAH	1AY21CV027	M	GM	INDIAN	7.67	YES	Rs.1020	T23121015110445587 07197 10.12.2023	
	ELECTRONICS AND COMMUNICATION ENGG									
1	MALIKA NAUSHAD	1AY21EC064	F	OBC	INDIAN	8.8	YES	Rs.1020	333432523549 30.11.2023	
2	SHRADDHA KUMARI	1AY21EC114	F	GM	INDIAN	8.59	YES	Rs.1020	T231130133636383327 58663 30.11.2023	
3	PAWAN KUMAR PANDIT	1AY21EC084	M	GM	INDIAN	8.69	YES	Rs.1020	370037518293 30.11.2023	
4	PRANAV BHAT V	1AY21EC088	M	GM	INDIAN	8.8	YES	Rs.1020	370000817333 30.11.2023	
	ELECRICAL AND ELECTRONICS ENGG									
1	HARSHIT KUMAR JAISWAL	1AY21EE014	M	GM	INDIAN	8.5	YES	Rs.1020	334338261780 09.12.2023	
2	CHITRA VEERANAGOUDA NAGANAGOUDA	1AY21EE007	F	OBC	INDIAN	7.6	YES	Rs.1020	T23121273552864892 1315 12.12.2023	
3	PRASHANT THAKUR	1AY21EE028	M	GM	INDIAN	8.4	YES	Rs.1020	334528314172 11.12.2020	
4	K R VINAY	1AY21EE017	M	3A	INDIAN	8.04	YES	Rs.1020	T23121915161468922 53799 19.12.2023	
5	HARSHITHA C	1AY21EE015	F	SC	INDIAN	8.15	YES	Rs.1020	335380232800 19.12.2023	
6	APEKSHA RA	1AY21EE003	F	3B	INDIAN	8.38	YES	Rs.1020	385355494697 19.12.2023	
7	VAISHNAVI U	1AY21EE035	F	SC	INDIAN	7.84	YES	Rs.1020	335336844064 19.12.2023	
8	NANDANA UNNI	1AY21EE025	F	GM	INDIAN	8.18	YES	Rs.1020	335355705513 19.12.2023	
9	SANKETH U M	1AY21EE032	M	3B	INDIAN	7.87	YES	Rs.1020	T23122011435200416 55442 20.12.2023	
	INFORMATION SCIENCE AND ENGG									
1	SUCHETHA R	1AY21IS128	F	OBC	INDIAN	8.97	YES	Rs.1020	328801116023 15.11.2023	
	MECHANICAL ENGG									
1	ADITHYA KULKARNI	1AY21ME003	M	GM	INDIAN	7.81	YES	Rs.1020	T23113012501133214 23609 30.11.2023	
2	KARTHIK S	1AY21ME012	M	OBC	INDIAN	9.04	YES	Rs.1020	T23112615442335433 20420 26.11.2023	
3	MADAN GOWDA N	1AY21ME013	M	GM	INDIAN	7.495	YES	Rs.1020	T23113022394865226 40350 30.11.2023	
4	MONISH S	1AY21ME016	M	OBC	INDIAN	7.65	YES	Rs.1020	T23113017373512227 15927 30.11.2023	
5	PRATHAM C POKAR	1AY21ME020	M	GM	INDIAN	8.375	YES	Rs.1020	333488254196 30.11.2023	
	MECHATRONICS ENGG									
1	MANTHAN PRABHAKAR PATIL	1AY22MT414	M	3B	INDIAN	7.7	YES	Rs.1020	T23121213002433783 91027 12.12.2023	
2	CELSI MARCINA A	1AY22MT405	F	3B	INDIAN	8.62	YES	Rs.1020	T23120619114262027 76801 06.12.2023	
3	PRATHYUSH BIJUKUMAR K	1AY22MT417	M	GM	INDIAN	7.95	YES	Rs.1020	334034385579 06.12.2023	
4	POORVI SRINIVAS	1AY21MT018	M	OBC	INDIAN	7.535	YES	Rs.1020	333532247246 01.12.2023	
5	PRASHANTH KUMAR B R	1AY21MT019	M	OBC	INDIAN	7.575	YES	Rs.1020	T23120513094930429 67412 05.12.2023	
6	SHASHANK SHIVANAND HEGDE	1AY21MT025	M	GM	INDIAN	8.18	YES	Rs.1020	N8ZNNZdeVNBdpw 05.12.2023	
7	VENKATESH M	1AY22MT426	M	OBC	INDIAN	8.48	YES	Rs.1020	334826549183 14.12.2023	

8	SURYA BALAN S	1AY22MT424	M	OBC	INDIAN	7.94	YES	Rs.1020	334131207960 07.12.2023	
9	PRATHAMESH Y KAMMAR	1AY22MT416	M	OBC	INDIAN	8.4	YES	Rs.1020	NBLqAmeEIEIwTO 12.12.2023	
10	SHASHANK H N	1AY22MT423	M	OBC	INDIAN	7.92	YES	Rs.1020	NBLTMcpXTvzzO 12.12.2023	
11	KUSHAAL G	1AY22MT407	M	OBC	INDIAN	8.62	YES	Rs.1020	NBLseA5KxbmCJG 12.12.2023	
12	THARUN D C	1AY21MT033	M	OBC	INDIAN	7.61	YES	Rs.1020	335134247705 17.12.2023	
13	DANUSH D	1AY21MT005	M	OBC	INDIAN	7.95	YES	Rs.1020	T23121813273312348 36484 18.12.2023	
14	T VAMSHI	1AY22MT425	M	OBC	INDIAN	8.52	YES	Rs.1020	NBLzHzZBXHPHXK 12.12.2023	

Principal
Acharya Institute of Technology
Soladevanahalli, Bangalore-560 107

ವಿಶ್ವೇಶ್ವರಯ್ಯತಾಂತ್ರಿಕವಿಶ್ವವಿದ್ಯಾಲಯ

ವಿಟಿಯುಅಧಿನಿಯಮ೧೯೯೪ ರಅಡಿಯಲ್ಲಿಕರ್ನಾಟಕಸರ್ಕಾರದಿಂದಸ್ಥಾಪಿತವಾದರಾಜ್ಯವಿಶ್ವವಿದ್ಯಾಲಯ

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

State University of Government of Karnataka Established as per the VTU Act, 1994

"JnanaSangama" Belagavi-590018, Karnataka, India

Prof. Dr. B. E. Rangaswamy, Ph.D
REGISTRAR

Phone: (0831) 2498100
Fax: (0831) 2405467

REF: VTU/BGM/Aca/BoS/2023/ 716

DATE: 11 MAY 2023

Honours Registration Confirmation

Subject: B.E./B.Tech., Hons' Registration for the academic year 2022-23 confirmation regarding

Reference: VTU/BGM/SA(1)/BE(Honours)/2022-23/5560, Dated 29.12.2023
VTU/BGM/ACA/BoS/2023/7202, Dated: 09.03.2023
The regulation governing the award of the Honours Degree programs

The concerned to the subject cited above, the list of the students whose registration to honors degree programs for AY 2022-23 is approved is shown in the attached sheets.

The Principals of Engineering Colleges under the ambit of the university are hereby informed to bring the contents of this letter to the notice of the concerned.

Encl: Revised Registration Approved List.

For any clarification, email to sbhvtuso@yahoo.com

Sd/-
REGISTRAR

To,

The Principals of all Engineering Colleges under the ambit of the University

Copy to.

1. To the Hon'ble Vice-Chancellor through the secretary to VC, VTU Belagavi for information
2. The Registrar (Evaluation), VTU Belagavi for information and allow him to enter the details of the NPTEL courses completed
3. The Director(I/c), ITI, SMU, VTU Belagavi for information and make provision to upload on VTU web portal
4. All the concerned Special Officer/s and Caseworker/s of the academic section, VTU, Belagavi

09/05/23 BE
REGISTRAR

nfirmation of Honours Registration for AY 2022-

S.No	usn	name	CollegeName	Zone	Branch Code	VTUTranID	PaymentAmount	ApplicationID	cgpa_up_to_4sem	REMARK
1	1AH20AS016	MOHAMMAD IQBAL WANI	ACS COLLEGE OF ENGINEERING BANGALORE	1	AS	CF0D35D6442E91D2505B	1000	HONRG00864	8.56	Registration Approved
2	1AH20AS022	POORVI M U	ACS COLLEGE OF ENGINEERING BANGALORE	1	AS	6BCF211650DEC2AE7AA1	1000	HONRG00390	9.33	Registration Approved
3	1AH20AS023	PRAJWAL K	ACS COLLEGE OF ENGINEERING BANGALORE	1	AS	40401E91154E72AAC7C0	1000	HONRG00385	9.03	Registration Approved
4	1AH20BM014	LINDA SUNIL	ACS COLLEGE OF ENGINEERING BANGALORE	1	BM	5E9C30A0469E0C2A438A	1000	HONRG01142	8.55	Registration Approved
5	1AH20CS018	ARCHA BAJPAI	ACS COLLEGE OF ENGINEERING BANGALORE	1	CS	E9056F58EF616C8994CD	1000	HONRG00420	9.31	Registration Approved
6	1AH20CS022	BHARGAVI G HEGDE	ACS COLLEGE OF ENGINEERING BANGALORE	1	CS	A1FEF79E1BEE40EA4635	1000	HONRG00358	8.61	Registration Approved
7	1AH20CS060	LALITHA R	ACS COLLEGE OF ENGINEERING BANGALORE	1	CS	66D3E5CFDACE5DDA3E05	1000	HONRG00645	8.83	Registration Approved
8	1AH20CS079	RACHITHA C	ACS COLLEGE OF ENGINEERING BANGALORE	1	CS	77B925176CA6730003E4	1000	HONRG00732	9.33	Registration Approved
9	1AH20CS112	VARSHITHA V	ACS COLLEGE OF ENGINEERING BANGALORE	1	CS	0EB997E2E558F573F226	1000	HONRG00651	8.97	Registration Approved
10	1AH20EC004	BAHUBALI RAJ A	ACS COLLEGE OF ENGINEERING BANGALORE	1	EC	43B22A994BACB5BFE8A0	1000	HONRG01217	8.98	Registration Approved
11	1AJ20CS006	AKSHAYA V	Cambridge Institute of Technology North Campus Bangalore	1	CS	B3FB43D3614C6F008D04	1000	HONRG00896	8.72	Registration Approved
12	1AJ20CS020	G M RAKSHITHA	Cambridge Institute of Technology North Campus Bangalore	1	CS	5B6240ABEDF8FA77B4F9	1000	HONRG00892	9.07	Registration Approved
13	1AJ20CS033	LAKSHMAN GOWDA B K	Cambridge Institute of Technology North Campus Bangalore	1	CS	0C4DDBFF761E1C376E3F	1000	HONRG00879	8.64	Registration Approved
14	1AJ20CS036	MANASA L	Cambridge Institute of Technology North Campus Bangalore	1	CS	D712974C6D137A12D351	1000	HONRG00898	8.41	Not Approved
15	1AJ20CS044	MUKUNDA T	Cambridge Institute of Technology North Campus Bangalore	1	CS	5C95ED7D6A4859F14EDB	1000	HONRG00890	8.63	Registration Approved
16	1AJ20CS073	THARUN H	Cambridge Institute of Technology North Campus Bangalore	1	CS	BDD97DAD59E6FF548172	1000	HONRG00976	8.26	Not Approved
17	1AT20CV006	BIPIN SHRESTHA	ATRIA INSTITUTE OF TECHNOLOGY ANAND NAGAR	1	CV	273DA23B9BF26C099F96	1000	HONRG00415	8.69	Registration Approved
18	1AT20IS057	PARVEEN SIDDIQA	ATRIA INSTITUTE OF TECHNOLOGY ANAND NAGAR	1	IS	2FACA5E347042BF7A4D1	1000	HONRG00637	8.72	Registration Approved
19	1AT20IS081	SAJAN ADHIKARI	ATRIA INSTITUTE OF TECHNOLOGY ANAND NAGAR	1	IS	F9E67DFBA5DA01509252	1000	HONRG00423	9.09	Registration Approved
20	1AY20BT026	SAMYUKTHA R	ACHARYA INSTITUTE OF TECHNOLOGY BANGALORE	1	BT	82192F17ED149FA0F0B9	1000	HONRG00522	9.32	Registration Approved
21	1AY20BT031	VARSHITHA P	ACHARYA INSTITUTE OF TECHNOLOGY BANGALORE	1	BT	B9472D5C83E17B44E0F6	1000	HONRG00437	8.85	Registration Approved
22	1AY20CS074	M KAVYASREE	ACHARYA INSTITUTE OF TECHNOLOGY BANGALORE	1	CS	28BFDE1AA54E5741C3A2	1000	HONRG00524	8.57	Registration Approved

ACHARYA INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belagavi, Govt. of Karnataka. Approved by AICTE, New Delhi and Accredited by NBA and NAAC)

Ref:AIT:EXAM:03:2024-25 /3761

Date:10.06.2024

To,
The Registrar (Evaluation)
Visvesvaraya Technological University,
Jana Sangama, Machche,
Belagavi-18

Sir,

Sub: Submission of applications for Registration to B.E honors degree in respect of eligible students for the academic year 2023-24 -Reg.
Ref: VTU/BGM/Reg(E)/PS/ 2024-25/291 dated: 29.05.2024.

This is in response to your letter no VTU/BGM/Reg(E)/PS/ 2024-25/291 dated: 29.05.2024. herewith enclosed the student details for award of honors degree for eligible and registered along with the total credit earned by students in respect of all semester upto 7th semester pertaining to 2020 batch students.

Kindly acknowledge the receipt of the letter.

Thanking you,

Yours Sincerely,

PRINCIPAL
ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107

10/06/2024

REGISTRATION FOR BE HONOURS 2023-2024

Name of Student in full (in block letter) registered in the University	University Seat Number	Gender	Caste/ Category (GM/SC/ ST/OBC)	Nationality	Documents Attached (1st to 8th semester Grade cards/result sheets)	Registration details Date:	Remarks
hnology							
MYUKTHA R	1AY20BT026	F	GM	INDIAN	YES	HONRG00522 07.06.2024	
RSHITHA P	1AY20BT031	F	3AG	INDIAN	YES	HONRG00437 07.06.2024	
TER SCIENCE & ENGINEERING							
KAVYASHREE	1AY20CS074	F	3BGH	INDIAN	YES	HONRG00524 07.06.2024	

Principal
Acharya Institute of Technology
Soladevanahalli, Bangalore-560 107

ACHARYA INSTITUTE
OF TECHNOLOGY
(Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi and Accredited by NBA and NAAC)

AIT:03:EXAM:2022-23 / 3290

18.01.2023

To,
The Registrar (Evaluation)
Visvesvaraya Technological University,
Jana Sangama,
Belagavi-18

Sir,

Sub: Submission of applications for Registration to B.E honors degree for the academic year 2022-23 -Reg.
Ref: VTU/BGM/SA(1)/B.E.(Honors)/2022-23/5560 & Dtd:29.12.2022.

With reference to the above, herewith submitting the Applications along with fee paid receipts for Registration to B.E honors degree for the academic year 2022-23 for kind perusal. The details are enclosed.

Kindly acknowledge the receipt of the letter.

Thanking you,

Yours Sincerely,

PRINCIPAL
Acharya Institute of Technology
Soladevanahalli, Bangalore-560 107

Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Acharya P.O., Bengaluru 560 107, Karnataka, India • www.acharya.ac.in/ait
• Ph: +91-80-225 555 55 Extn. : 2102 • Fax: +91-80-237 002 42 • E-mail: principalait@acharya.ac.in

REGISTRATION FOR BE HONOURS 2022-2023

Sl.no	Name of Student in full (in block letter) as registered in the University	University Seat Number	Gender	Caste/ Category (GM/SC/ ST/OBC)	Nationality	CGPA until 4th Semester	Documents Attached (1st to 4th semester Grade cards/result sheets)	Payments of Registration Fee (onetime no-refundable)	Rs.1000/- Transaction ID / Date:	Remarks
Bio-Technology										
1	SAMYUKTHA R	1AY20BT026	F	GM	INDIAN	9.34	YES	Rs.1000	16541418054 06.01.2023	
2	VARSHITHA P	1AY20BT031	F	3AG	INDIAN	8.89	YES	Rs.1000	16539392722 06.01.2023	
COMPUTER SCIENCE & ENGINEERING										
1	M KAVYASHREE	1AY20CS074	F	3BGH	INDIAN	8.56	YES	Rs.1000	16541430579 06.01.2023	

Principal
Acharya Institute of Technology
Soladevanahalli, Bangalore-560 107

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)

Belagavi – 590 018, Karnataka State, INDIA

Dr. B. E. Rangaswamy Ph.D.
Registrar (Evaluation)

Phone : (0831) 2498131
Fax : (0831) 249818

Ref. No.VTU/BGM/Reg(E)/PS/2020-2021/ 630

Date : 1 AUG 2022

CIRCULAR

Sub: Submission of B E/B.Tech. Honors degree details (2018 batch) in respect of Eligible students for 2021-2022– reg.

The Principals of Constituent / Affiliated Engineering Colleges are requested to make arrangements to submit the student details (2018 batch) for the award of Honors degree for eligible and registered students along with the total credit earned by the students in respect of All semesters upto 7th sem. through online web portal as per the schedule given here under:

Schedule for submission of B.E./B.Tech. Honors degree details

S.No	Course	Schedule		
		Online submission	Hardcopy print of Honors degree details	Submission of printouts of Honors Degree to the office of Registrar(Evaluation) along with certificates.
1	**B.E./B.Tech. Honors degree**	02.08.2022 to 04.08.2022	05.08.2022	06.08.2022

Important Points to be noted :

1. **Please verify the Regulations before entering the Honors degree students details.**
2. The students shall have obtained a **CGPA ≥ 8.50** at the end of the fourth semester and all other subsequent semester.
3. The certificates related to all MOOCs/online course details are to be uploaded in the web interface.
   Please Note: "Modifications/Request to update in future dates will not be entertained".
4. The faculty must take **a draft printout** of the entered details before **freezing**.
5. Once the Principal approval is completed, the details submitted will be considered as final and no modification will be entertained.
6. **After the freezing of details by Principal, if the college finds the need to modify the marks a mail need to be sent to re@vtu.ac.in and prexam@vtu.ac.in with subject line as "Honors Degree".**
7. Verify the entered details before finalizing. **NO CORRECTIONS WILL BE ENTERTAINED.**
8. Submit the printouts (hard copies) of details with the signature of the concerned faculty, Head of the Department and Principal to the respective Regional Office on or before the last dates without fail.

9. In the case of missing USNs in the list displayed for entering details, a mail need to be sent to re@vtu.ac.in and prexam@vtu.ac.in with subject line as "Honors Degree".

Procedure for the submission Honors degree details;

1. URL: https://prexam.vtu.ac.in - for all regions.
2. Login using department credentials
3. Enter and freeze details, which is to be frozen by Head of the department.
4. Principal Login – use principal login credentials and finalize the details.

Entry of Honors degree details;
The entry of Honors degree details for 2018 Scheme B.E/B.Tech is enabled at

https://prexam.vtu.ac.in.

The stepwise details are available in the user manual at the webpage.

1. The link for Honors degree details will be available in the Department section, the department needs to login and enter the Honors degree details for each student. A coordinator can be nominated for the purpose. The entries of each student are to be finalized by the department.
2. The Principal has to finalize the entry of the Honors degree details, through Principal Login.

The instructions for the submission of Honors degree details are available in the website. Kindly follow the same.

The Principals of constituent and affiliated engineering colleges are requested to bring the contents of this circular to the notice of all the concerned.

Sd/-
REGISTRAR (EVALUATION)

To, The Principals of Constituent and Affiliated Engineering colleges

Copy FWC's to:

1. Hon'ble Vice-Chancellor through the Sec. To VC, VTU Belagavi, for information.
2. The Registrar, VTU Belagavi, for information.
3. The Incharge Regional Directors of VTU Regional Offices, for information & needful.
4. The Incharge Director, ITISUM, VTU Belagavi, for information & needful.

Reg BE
01/08/2022
REGISTRAR (EVALUATION)

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
ಸಂವಿಧಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪ ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ
Visvesvaraya Technological University
(State University of Government of Karnataka Established as per the VTU Act, 1994)
"Jnana Sangama" Belagavi-590018, Karnataka, India
Dr. B.E. Rangswamy Ph.D.
Registrar .
Phone: (0831) 2498100
Fax :(0831) 2405467

Ref: VTU/BGM/SA(1)/B.E.(Honors)/ 2022-23/ 5560 Date : 29 DEC 2022

NOTIFICATION

Sub: Inviting Applications for Registration to B.E. / B.Tech. Honors Degree Programme for the academic year 2022-23–reg...

With reference to the above, applications for registration for to B.E. / B.Tech. Honors Degree Programme for the academic year 2022-23 are invited from eligible students.

I. Eligibility for Registration:

1. The student are eligible to register for B.E/B.Tech. Honors Programmes at their 5th semester level by paying onetime nonrefundable Registration fee of Rs. 1,000/-
2. The student shall have obtained a grade ≥D in all the courses in the first attempt only, in all the semesters uptil 4th semester (including 4th semester)
3. The students should have obtained a CGPA ≥8. 5 at the end of 4th semester
4. The Diploma lateral entry students should have completed the Additional Mathematics I and II during 3rd and 4th semester in first attempt only.
5. The B.Sc. lateral entry students should have completed the Engineering Graphics and Elements of Civil Engineering of first year Engineering programme by the end of IV semester in first attempt only.

II. Procedure for Registration:

1. The students have to register online through https://prexam.vtu.ac.in and select Honors registration. The College has to assist the student in the Registration and autonomous colleges has to verify and approve the registrations. The Registration fees of Rs. 1,000 shall be paid through registration portal only. No other payment mode is accepted and if made, the same will not refunded.
2. This year (2022-23) registration are permitted only to students **with USN XXX20XXXXX(Regular), USN XXX21XX4XX (Diploma Lateral Entry) and USN XXX21XX6XX (B.Sc. Lateral Entry)**

HOD/ All HoDs

30/12/2022

3. There shall be no limit on the intake for registration to B.E./B.Tech honors.
4. The registrants shall abide by the VTU regulations Governing the award of 'Honours' at B.E/B.Tech. Degree programmes (visit **https://vtu.ac.in/en/b-e-b-tech-regulations-honours/** for regulations) and other norms and guidelines issued from time to time

I	**Last date for application by the student at College:**	**Commencement of Registration : 31-12-2022** **Last to Register : 07-01-2023**
II	**Last date for submission of list for approval by the College along with registration fee to the University (Registration form downloaded from portal)**	**11-01-2023**

5. The colleges shall maintain the database such registered students along with the details their courses successfully completed for obtaining additional credits for award of the Honours Degree. The additional credits obtained after registration will only be considered.
6. The Colleges are requested to advice and mentor the students with reference to the conditions prescribed by the University in its Regulations Governing the Degree of B.E./B.Tech. Honors 2020-21(visit **https://vtu.ac.in/en/b-e-b-tech-regulations-honours/** for regulations).

The contents of this notification maybe brought to the notice of all the concerned.

BY ORDER,

REGISTRAR

To,
The of Principals of All Constituent , Affiliated and Autonomous Engineering Colleges under the ambit of VTU, Belagavi
Copy to:
1. Hon'ble Vice-Chancellor through the Secretary to VC, VTU, Belagavi for kind information
2. The Registrar (Evaluation), VTU, Belagavi
3. The Finance Officer, VTU, Belagavi for kind information
4. The Regional Directors (I/C) of all the Regional Offices of VTU for circulation
5. The Director(I/c), ITISMU, VTU, Belagavi- to upload on VTU website
6. The PS to Registrar, VTU, Belagavi
7. All the concerned Special Officer and Case-workers of Academic Section, VTU, Belagavi

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
("ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)
'ಜ್ಞಾನ ಸಂಗಮ', ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೮ ಕರ್ನಾಟಕ ರಾಜ್ಯ
Visvesvaraya Technological University
(State University of Government of Karnataka Established as per the VTU Act, 1994)
"Jnana Sangama", Belagavi-590 018, Karnataka State, India

Prof. A. S. Deshpande B.E., M.Tech., Ph.D.
REGISTRAR

Phone : (0831) 2498100
Fax : (0831) 2405467

Ref. No. VTU/BGM/BOS/2021-22/ 1087/45

Date: 12 MAY 2022

To,
The Principal
Acharya Institute of Technology,
Bengaluru.

Subject: -B.E./B.Tech., Hons' Registration for 2021-22 regarding...
Reference: VTU/BGM/Hons/2021-22/3732, dated 20.011.2021

This is with reference to the subject cited above, the confirmation of registration to B.E./B.Tech., programs with Hons' degree for the academic year 2021-22 are as shown in below-

Name of the students	USNs	CGPA	REMARK
SHIPHI ABRAHAM THOMAS	1AY19MT039	8.63	Registration confirmed
PRERANA M BHUTE	1AY19AE031	8.63	Registration confirmed
BASAVARAJ T	3 1AY19AE009	8.68	Registration confirmed
PRAJWAL SUARES	6 1AY19AE030	8.7	Registration confirmed
DAWN MATHEW MATHEW	1AY19MT011 4	8.8	Registration confirmed
MANJUNATH S MUGADAYYANAMAHT	5 1AY19AE023	8.89	Registration confirmed
PRAJWAL ZACH SABU	1AY19MT027	9.05	Registration confirmed
D RANJITHA	4 1AY19AE012	9.07	Registration confirmed
ANUMOL BHARADWAJ K	2 1AY19AE007	9.11	Registration confirmed
SHREYAS K DONGRE	1AY19MT042	9.24	Registration confirmed
MAYUR KUMAR S	1AY19MT019 2	9.3	Registration confirmed
PRATHA ANISH	1AY19MT029	9.36	Registration confirmed
PRATHEEK H GADAGI	7 1AY19MT030	9.4	Registration confirmed
ANCHARA M	1 1AY19AE004	9.51	Registration confirmed
ROOPAM MAURYA	1AY19MT035	9.55	Registration confirmed
PRAMOD P R	1AY19MT028	9.72	Registration confirmed
SAHAS S	8 1AY19AE037	9.72	Registration confirmed

For any clarification you may email to registrar@vtu.ac.in (cc to sbhvtuso@yahoo.com), within 10 days from the date of issue of this letter.

The Principals of Affiliated, Constituent and Autonomous Engineering Colleges are hereby informed to bring the contents of this letter to the notice of all concerned.

Sd/-
REGISTRAR

Acad/Exam/All HoDs

ACHARYA INSTITUTE OF TECHNOLOGY 6462/17 26/5/22 BANGALORE

Copy to.

1. To the Hon'ble Vice-Chancellor through the secretary to VC, VTU Belagavi for information
2. The Registrar (Evaluation), VTU Belagavi for information.
3. The Regional Directors (I/c) of all the regional offices of VTU for circulation.
4. The Director(i/c), ITISMU, VTU Belagavi for information and to make arrangements to upload the circular on the VTU web portal.
5. All the concerned Special Officer/s and Caseworker/s of the academic section, VTU, Belagavi.

REGISTRAR

ACHARYA INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi and Accredited by NBA and NAAC)

AIT: 01 : EXAM :2021-22 / 2818 05.01.2022

To,
The Registrar(Evaluation),
Visvesvaraya Technological University,
Jnana Sangama,
Belgaum-18

Sir,

Sub: Submission of applications for Registration to B.E honors degree for the academic year 2021-22 Reg.

Ref: VTU/BGM/Honors/2021-22/3732 & Dtd.20.11.2021.

In continuation of our letter dated 16.12.2021, herewith submitting the Applications of Aeronautical Engg(AE) along with fee paid receipts for Registration to B.E honors degree for the academic year 2021-22 for kind perusal. The details are enclosed.

Kindly acknowledge the receipt of the letter

Thanking you,

Your sincerely,

06/01/22

Dr Prakash.M.R
Principal
harya Institute of Technology
devanahalli, Bangalore-560 107

Acharya Dr Sarvepalli Radhakrishnan Road, Soladevanahalli, Acharya P.O., Bengaluru 560 107, Karnataka, India • www.acharya.ac.in/ait
• Ph +91-80-225 555 55 Extn 2102 • Fax. +91-80-237 002 42 • E-mail principalait@acharya.ac.in

SL.No	Name of student in full (in block letter) as registered in the University	University Seat Number	Gender	Caste / Category (GM/SC/ IT/OBC)	Nationality	CGPA until 4th semester	Documents Attached (1st to 4th Sem)	Payment of Registration Fee (Onetime non refundable)	Rs. 1,000/- Transaction ID Date:	Remarks
	AERONAUTICAL ENGINEERING									
1	ANCHARA M	1AY19AE004	F	SNQ	INDIAN	9.51	YES	1000	DUI2635021 21/12/2021	
2	ANUMOL BHARADWAJ K	1AY19AE007	M	GM	INDIAN	9.04	YES	1000	DUI2701697 22/12/2021	
3	BASAVARAJ T	1AY19AE009	M	2AR	INDIAN	8.60	YES	1000	DUI2766991 23/12/2021	
4	D RANJITHA	1AY19AE012	F	GMH	INDIAN	9.05	YES	1000	DUI2658382 21/12/2021	
5	MANJUNATH S MUGADAYYANAMAHT	1AY19AE023	M	GM	INDIAN	8.67	YES	1000	DUI2702689 22/12/2021	
6	PRAJWAL SUARES	1AY19AE030	M	GM	INDIAN	8.77	YES	1000	DUI2655473 21/12/2021	
7	PRERANA M BHUTE	1AY19AE031	F	2AG	INDIAN	8.80	YES	1000	DUI2764980 23/12/2021	
8	SAHAS S	1AY19AE037	M	SNQ	INDIAN	9.68	YES	1000	DUI2655227 21/12/2021	

06/01/22

Information of registrants of B.E. / B.tech. Honors

Name of the college: Acharya Institute of Technology
Department : Mechatronics Engineering
Academic Year : 2021-22

S.No.	Name of student in full (in block letter) as registered in the University	University Seat Number	Gender	Caste / Category (GM/SC / IT/OBC)	Nationality	CGPA until 4th semester	Documents Attached (1st to 4 Sem)	Payment of Registration Fee (Onetime non refundable)	Rs. 1,000/- Transaction id / Date:	Remarks
1	DAWN MATHEW MATHEW	1AY19MT011	M	GM	INDIAN	Until 4th sem CGPA-8.8	1st to 4 SEM	1000	DUI2055570	Eligible for criteria (a),(b),c)
2	MAYUR KUMAR S	1AY19MT019	M	3AG	INDIAN	Until 4th sem CGPA-9.32	1st to 4 SEM	1000	DUI2060192	Eligible for criteria (a),(b),c)
3	PRAJWAL ZACH SABU	1AY19MT027	M	GM	INDIAN	Until 4th sem CGPA-9.0	1st to 4 SEM	1000	DUI2075581	Eligible for criteria (a),(b),c)
4	PRAMOD P R	1AY19MT028	M	3AG	INDIAN	Until 4th sem CGPA-9.7	1st to 4 SEM	1000	DUI2072312	Eligible for criteria (a),(b),c)
5	PRATHA ANISH	1AY19MT029	M	GM	INDIAN	Until 4th sem CGPA-9.36	1st to 4 SEM	1000	DUI2071515	Eligible for criteria (a),(b),c)
6	PRATHEEK H GADAGI	1AY19MT030	M	1G	INDIAN	Until 4th sem CGPA-9.35	1st to 4 SEM	1000	DUI2033972	Eligible for criteria (a),(b),c)
7	ROOPAM MAURYA	1AY19MT035	FM	GM	INDIAN	Until 4th sem CGPA-9.55	1st to 4 SEM	1000	DUI2048899	Eligible for criteria (a),(b),c)
8	SHIPHI ABRAHAM THOMAS	1AY19MT039	M	GM	INDIAN	Until 4th sem CGPA-8.64	1st to 4 SEM	1000	DUI2126482	Eligible for criteria (a),(b),c)
9	SHREYAS K DONGRE	1AY19MT042	M	GM	INDIAN	Until 4th sem CGPA-9.27	1st to 4 SEM	1000	DUI2032837	Eligible for criteria (a),(b),c)

13/May

Signature of Principal
Seal

PRINCIPAL
ACHARYA INSTITUTE OF TECHNOLOGY
Soldevanahalli Bangalore-560 107

Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018, Karnataka State

Dr. A S. Deshpande B.E. M.Tech., Ph.D.,
REGISTRAR

Phone : (0831) 2498100
Fax : (0831) 2405467

Ref: VTU/BGM/Honors/2021-22/ 3732

Date : 20 NOV 2021

NOTIFICATION

Sub: Inviting Applications for Registration to B.E. / B.Tech. Honors Degree Programme for the academic year 2021-22–reg...

Ref: 1. This office Notification : VTU/BGV/OS-Aca/2020-21/369 dt: 03-07-2020

2. Hon'ble Vice Chancellor's approval dated : 18-11-2021

With reference to the above, applications for registration for to B.E. / B.Tech. Honors Degree Programme for the academic year 2021-22 are invited from eligible students.

I. Eligibility for Registration:

1. The student are eligible to register for B.E/B.Tech. Honors Programmes at their 5th semester level by paying onetime nonrefundable Registration fee of Rs. 1,000/-
2. The student shall have obtained a grade ≥D in all the courses in the first attempt only, in all the semesters uptil 4th semester (including 4th semester)
3. The students should have obtained a CGPA ≥8. 5 at the end of 4th semester
4. The Diploma lateral entry students should have completed the Additional Mathematics I and II during 3rd and 4th semester in first attempt only.
5. The B.Sc. lateral entry B.Sc. students should have completed the Engineering Graphics and Elements of Civil Engineering of first year Engineering programme by the end of IV semester in first attempt only.

II. Procedure for Registration:

1. The students have to Complete the enclosed application and submit through the Principal of the respective college
2. This year (2021-22) registration are permitted only to students **with USN XXX19XXXXX(Regular), USN XXX20XX4XX (Diploma Lateral Entry) and USN XXX19XX6XX (B.Sc. Lateral Entry)**
3. There shall be no limit on the intake for registration to B.E./B.Tech honors.

4. The registrants shall abide by the VTU regulations Governing the award of 'Honours' at B.E/B.Tech. Degree programmes (visit **https://vtu.ac.in/en/b-e-b-tech-regulations-honours/** for regulations) and other norms and guidelines issued from time to time

III	**Last date for application by the student at College :**	**10 days from announcement or results/ issue of this notification whichever is later.**
IV	**Last date for submission of list for approval by the College along with registration fee to the University (format enclosed)**	**10 days from III above**

5. The colleges shall maintain the database such registered students along with the details their courses successfully completed for obtaining additional credits for award of the Honours Degree. The additional credits obtained after registration will only be considered.
6. The Colleges are requested to advice and mentor the students with reference to the conditions prescribed by the University in its Regulations Governing the Degree of B.E./B.Tech. Honors 2020-21(visit **https://vtu.ac.in/en/b-e-b-tech-regulations-honours/** for regulations).

The contents of this notification maybe brought to the notice of all the concerned.

Enclosures:

1. Regulations Governing the award of the 'Honours' at B.E./ B.Tech. Degree programmes
2. Application Format for Registration
3. List submission format

BY ORDER,

30/11/2021

REGISTRAR

To,
The of Principals of All Engineering, Autonomous, Constituent Colleges under the ambit of VTU, Belagavi

Copy to:

1. Hon'ble Vice-Chancellor through the Secretary to VC, VTU, Belagavi for kind information
2. The Registrar (Evaluation), VTU, Belagavi
3. The Regional Directors (I/C) of all the Regional Offices of VTU for circulation
4. The Director, Computer Network Centre, VTU, Belagavi- to upload on VTU website
5. PS to Registrar, VTU, Belagavi
6. All the concerned Special Officer and Case-workers of Academic Section, VTU, Belagavi

ACHARYA INSTITUTE OF TECHNOLOGY
(Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi and Accredited by NBA and NAAC)

AIT:01:EXAM:2020-21/1903

19.10.2020

To,
The Registrar(Evaluation),
Visvesvaraya Technological University,
Jnana Sangama,
Belgaum – 18

Sir,
Sub: Submission of Applications for Registration to B.E honors degree for the academic year 2020 – 21 Reg.
Ref : VTU/BGM/Honors/2020-21/2706 & Dtd.01.10.2020.

With reference to the above, herewith submitting the Applications along with fee paid receipts for Registration to B.E honors degree for the academic year 2020 –21 for your kind perusal. The details are enclosed.

Kindly acknowledge the receipt of the letter.

Thanking you,

Yours Sincerely,

Dr.Prakash.M.R

PRINCIPAL
ACHARYA INSTITUTE OF TECHNOLOGY
SOLADEVANAHALLI, BANGALORE-560 107

19/10/2020

DESPATCHED
1903
20.10.2020

Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Acharya P.O., Bengaluru 560 107, Karnataka India • www.acharya.ac.in/ait
• Ph: +91-80-225 555 55 Extn. : 2102 • Fax: +91-80-237 002 42 • E-mail: principalait@acharya.ac.in | admissions@acharya.ac.in

REGISTRATION FOR BE HONOURS 2020-2021

Sl no	Name of Student in full (in block letter) as registered in the University	University Seat Number	Gender	Caste/Category (GM/SC/ST/OBC)	Nationality	CGPA until 4th Semester	Documents Attached(1st to 4th semester Grade cards/result sheets)	Payments of Registration Fee (onetime non-refundable)	Rs.1000/- Transaction ID / Date	Remarks
AERONAUTICAL ENGINEERING										
1	CHAITRA SHASHIKANT PARAGI	1AY18AE011	F	OBC	INDIAN	8.96	YES	Rs.1000	DUD6695372 13.10.2020	
2	CHELUVA V	1AY18AE012	M	OBC	INDIAN	8.58	YES	Rs 1000	DUD 67/37501 14.10.2020	
3	DHANUSH C	1AY18AE016	M	OBC	INDIAN	8.625	YES	Rs.1000	DUD6783359 15.10.2020	
4	MEGHA SURESH	1AY18AE027	F	GM	INDIAN	9.37	YES	Rs.1000	DUD6715159 14.10.2020	
5	MONIKA H P	1AY18AE031	F	OBC	INDIAN	8.7	YES	Rs.1000	DUD6685947 13.10.2020	
6	PAVITHRA S	1AY18AE037	F	OBC	INDIAN	8.82	YES	Rs.1000	DUD6704525 14.10.2020	
7	SHOBITHA V M	1AY18AE056	F	OBC	INDIAN	8.81	YES	Rs.1000	DUD6712451 14.10.2020	
8	TEJAS PATIL	1AY18AE062	M	GM	INDIAN	8.85	YES	Rs.1000	DUD6591817 12.10.2020	
9	VARSHITHA N	1AY18AE063	F	OBC	INDIAN	8.7	YES	Rs.1000	DUD6709858 14.10.2020	
10	VINAYAK PATIL	1AY18AE065	M	OBC	INDIAN	9.3	YES	Rs 1000	DUD6594080 12.10.2020	
11	YASHODHARA SINGH	1AY18AE068	F	GM	INDIAN	8.61	YES	Rs.1000	DUD6710591 14.10.2020	
COMPUTER SCIENCE & ENGINEERING										
1	AKSHAY G S	1AY18CS008	M	GM	INDIAN	8.95	YES	Rs.1000	DUD6760804 14.10.2020	
2	AMRITA GHOSH	1AY18CS012	F	GM	INDIAN	8.83	YES	Rs.1000	DUD6762358 14.10.2020	
3	CHANDANA A M	1AY18CS031	F	GM	INDIAN	8.84	YES	Rs.1000	DUD6776623 15.10.2020	
4	GOPI KISHAN P	1AY18CS040	M	GM	INDIAN	8.9	YES	Rs.1000	DUD6972372 19.10.2020	
5	JATIN YADAV	1AY18CS044	M	GM	INDIAN	8.7	YES	Rs.1000	DUD6692910 13.10.2020	
6	JEEVAN S	1AY18CS045	M	GM	INDIAN	8.69	YES	Rs.1000	DUD6723934 15.10.2020	
7	KUMAR SHANU	1AY18CS056	M	GM	INDIAN	8.94	YES	Rs.1000	DUD6741541 14.10.2020	
8	MAYANK MAURYA	1AY18CS068	M	GM	INDIAN	8.55	YES	Rs.1000	DUD6898578 14.10.2020	
9	NISARGA JAYARAJU	1AY18CS072	F	OBC	INDIAN	9.02	YES	Rs.1000	DUD6744140 14.10.2020	
10	PRAGATHI V	1AY18CS077	F	GM	INDIAN	8.74	YES	Rs 1000	DUD6752544 14.10.2020	
11	RAUNAK SINGH	1AY18CS086	M		INDIAN	8.78	YES	Rs.1000	DUD6731224 14.10.2020	
12	RUTU RAJU KUMBHOJKAR	1AY18CS097	F	GM	INDIAN	8.62	YES	Rs.1000	DUD6734064 14.10.2020	
13	SNEHA GHOSH	1AY18CS115	F	GM	INDIAN	8.62	YES	Rs.1000	DUD6754552 14.10.2020	
14	C SUSHMA	1AY18CS124	F	OBC	INDIAN	8.88	YES	Rs.1000	DUD6755375 14.10.2020	
15	TEJASWINI L VANTIGODI	1AY18CS129	F	GM	INDIAN	8.9	YES	Rs.1000	DUD6744573 14.10.2020	
16	VARSHA S P	1AY18CS134	F	OBC	INDIAN	8.62	YES	Rs.1000	DUD6737537 14.10.2020	AMOUNT HAS BEEN DEBITED BUT IN VTU WEBSITE ITS SHOWING FAILURE IN STATUS TRANSCACTION ID 028805429151
17	SHRILAKSHMI K	1AY19CS407	F	GM	INDIAN	8.97	YES	Rs.1000	DUD6733785 14.10.2020	
INFORMATION SCIENCE & ENGG										
1	MUSKAN KHOWALA	1AY18IS068	F	GM	INDIAN	8.83	YES	Rs.1000	2098607455 14/10/2020	
2	REVANTH GOWDA V K	1AY18IS095	M	OBC	INDIAN	8.51	YES	Rs.1000	DUD6660134 13/10/2020	
MECHATRONICS ENGINEERING										
1	AJITH KUMAR J	1AY18MT005	M	GM	INDIAN	8.67	YES	Rs.1000	DUD6355443 07.10.2020	
2	NEERAJ KUMAR C	1AY18MT032	M	OBC	INDIAN	8.96	YES	Rs.1000	DUD 6347751 07.10.2020	
3	PRIYA D	1AY18MT040	F	OBC	INDIAN	8.58	YES	Rs.1000	DUD6350855 07.10.2020	
4	RUSHAB M	1AY18MT041	M	OBC	INDIAN	8.51	YES	Rs.1000	DUD6347680 07.10.2020	
5	THUSHAR KUMAR G A	1AY18MT046	M	OBC	INDIAN	8.73	YES	Rs.1000	DUD6357827 07.10.2020	
6	VIDHYASAGAR G M	1AY18MT048	M	OBC	INDIAN	8.17	YES	Rs.1000	DUD6344672 07.10.2020	
7	GIRISHA D	1AY19MT403	M	OBC	INDIAN	8.79	YES	Rs.1000	DUD6356540 07.10.2020	

20/10/2020

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

ವಿಟಿಯು ಅಧಿನಿಯಮ ೧೯೯೪ ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯವಿಶ್ವವಿದ್ಯಾಲಯ

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

State University of Government of Karnataka Established as per the VTU Act, 1994"JnanaSangama" Belagavi-590018, Karnataka, India

Prof. B. E. Rangaswamy, Ph.D
REGISTRAR

Phone: (0831) 2498100
Fax: (0831) 2405467

REF: VTU/BGM/ACA/2023/ 2168

DATE: 24 JUL 2023

CIRCULAR

Subject: The regulations governing the award of B.E./B.Tech, Hons degree with amendments regarding...

Reference: VTU/BGM/OS-Aca/2020-21/369, Dated 03.06.2020
VTU/BGM/Aca-Cirs/SA/2023-24/1359, Dated 3.06.2023

The CGPA requirement to register for a Hons degree has been amended and is "The registrants shall have to obtain a CGPA ≥7.5 at the end of the 4th semester for the registration to B.E./B.Tech, Hons degree program".

All the chairpersons /Program coordinators of the PG departments of the University and all Principals of the engineering colleges under the ambit of the University are hereby informed to bring the content of the circular to the notice of all concerned

Sd/-
REGISTRAR

To,

- All the principals of engineering colleges under the ambit of the university
- All the Chairperson/ Program coordinators of PG departments at Muddenhalli, Bengaluru, Mysuru, Gulburga and Belagavi

CC to

- The Hon'ble Vice-Chancellor through the secretary to VC for information
- The Registrar (Evaluation) for information and needful
- The Director, Centre for Online Education for information and needful
- The Director ITI SMU for information and make arrangements to upload the same on the VTU web portal @ https://vtu.ac.in/en/category/administration/ and also https://vtu.ac.in/en/b-e-b-tech-regulations-honours/

Ra 24/07/23 BE
REGISTRAR

ವಿಶ್ವೇಶ್ವರಯ್ಯತಾಂತ್ರಿಕವಿಶ್ವವಿದ್ಯಾಲಯ

ವಿಟಿಯುಅಧಿನಿಯಮ೧೯೯೪ ರಅಡಿಯಲ್ಲಿಕರ್ನಾಟಕಸರ್ಕಾರದಿಂದಸ್ಥಾಪಿತವಾದರಾಜ್ಯವಿಶ್ವವಿದ್ಯಾಲಯ

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

State University of Government of Karnataka Established as per the VTU Act, 1994 "JnanaSangama" Belagavi-590018, Karnataka, India

Prof. Dr. B. E. Rangaswamy, Ph.D
REGISTRAR

Phone: (0831) 2498100
Fax: (0831) 2405467

REF: VTU/BGM/Aca-Cirs/SA/2023-24/ 1359

DATE: 13 JUN 2023

NOTIFICATION

Sub: Amendment to Regulations Governing the Degree of the Award of ' Honours' of B.E./ B.Tech. Degree Programme – reg...

Ref: 1. This office Notification VTU/BGM/OS·Aca/202021/ 369 dt: 3-6-2020

2. VTU's Executive Council Resolution. No. 2.2.2 dt: 17-5-2023 (172nd Meting)

It has been observed that there are many aspirants for registration to B.E. Honors Degree, but due to entry level requirements they are not able to register. The University received requests from principals and students in this regard. The requests were placed before teh Executive Council and hence the following amendment is notified.

Clause	Existing	Amended as
18UGHONRS 4(c)	The Registrants shall have obtained a CGPA ≥8.50 at the end of fourth semester	The Registrants shall have obtained a CGPA ≥7.50 at the end of fourth semester

This amendment is implemented from the academic year 2023-24 and onwards.

BY ORDER,

REGISTRAR

To,

1. **The Principals of All Colleges (Affiliated, Autonomous, Constituent) under the ambit VTU, Belagavi**
2. **All the Chairpersons/ Programme coordinators of VTU PG Centres**

Copy to:

1. Hon'ble Vice-Chancellor through the Secretary to VC, VTU, Belagavi for kind information
2. The Regional Directors (I/C) of all the Regional Offices of VTU for circulation
3. The Special Officers and Case workers of Academic Section, VTU, Belagavi
4. The Director (I/c), ITISMU, VTU, Belagavi – to upload on VTU website

Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018, Karnataka State

Dr. A S. Deshpande B.E. M.Tech., Ph.D.,
REGISTRAR

Phone : (0831) 2498100
Fax : (0831) 2405467

Ref: VTU/BGM/OS-Aca/2020-21/ 369 Date : - 3 JUN 2020

NOTIFICATION

Sub: Regulations Governing the Degree of the Award of 'Honours' at B.E./ B.Tech. Degree Programmes – reg...

Ref: Executive Council Resolution. No.2.2.1 dt: 27th May, 2020

Pursuant to the aforesaid Executive Council Resolution, the **"Regulations Governing the Degree of the Award of 'Honours' at B.E./ B.Tech. Degree Programmes** are hereby notified.

These Regulations are applicable for the following students:

1. Admitted to I semester/I year from the academic year 2018-19 (i.e. USN XXX18XXXXX)
2. Admitted to III semester/II year from the academic year 2019-20 (i.e. USN XXX19XX4XX)
3. These Regulations are uniformly applicable to Affiliated, Autonomous and Constituent Colleges under VTU

You are hereby directed to bring the same to the notice of all the concerned and to follow them scrupulously.

BY ORDER

02.6.2020

REGISTRAR

2/6/2020

Encl: as above

To,
The of Principals of All Engineering (Affiliated/ Autonomous/ Constituent) Colleges under the ambit of VTU, Belagavi

Copy to:

1. Hon'ble Vice-Chancellor through the Secretary to VC, VTU, Belagavi for kind information
2. The Registrar (Evaluation), VTU, Belagavi
3. The Regional Directors (I/C) of all the Regional Offices of VTU for circulation
4. The Computer Network Centre, VTU, Belagavi- to upload on VTU website
5. PS to Registrar, VTU, Belagavi
6. All the concerned Special Officer and Case-workers of Academic Section, VTU, Belagavi

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"Jnana Sangama", Belagavi

VTU Regulations Governing the Award of 'Honours' at B.E./B.Tech. Degree Programmes
(Applicable to 2018 – 19 batch and onwards)

May 2020

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	(c) National Programme for Technology Enhanced Learning (NPTEL)	04

VTU REGULATIONS GOVERNING THE AWARD OF 'HONOURS' AT B.E./B.TECH. DEGREE PROGRAMMMES		
Clause	**Particulars**	**Page**
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Introduction:

(a) Honours Degree

An increasingly interconnected global economy (the economies of the world's individual countries are considered together as a single economic system.) as the result of globalization is creating collaborative opportunities and competitive pressures requiring broadly educated engineers and business professionals. Also, the next generation of engineers has to practice an interdisciplinary approach to problem-solving.

The objectives of decorating the students with superior academic ability with Honours(Honours: British, Honors: US) are to

- Encourage advanced levels of study and multidisciplinary learning,
- Specialize in a focused area of their interest,
- Learn new skills and methodologies pertaining to their area of interest,
- Enable personal creativity,
- Cultivate a sustaining interest in advanced education and research,
- Enhance professional development, and
- Provide opportunities to gain recognition at the time of graduation for advanced, distinguished work as an undergraduate.

The Bachelor of Engineering degree with Honours earned with experiences, both inside and outside the classroom, will enhance, after graduation, all types of opportunities as professional engineers in the competitive world.

To encourage and groom engineering students during their engineering program to become self-motivated independent investigators, critical thinkers, problem solvers, good communicators, team players, effective managers, life-long learners, as well as economically, environmentally, and socially aware AICTE has introduced a scheme wherein each student has to earn **18 or more** additional credits through Massive Open Online Courses (MOOCs).

To cater to the engineering skill requirements of the next generation due to continuously changing expectations of the industry, society, and global stakeholder community owing to technology growth and globalization, VTU intends to prepare graduates equipped with interdisciplinary knowledge.

To embody the intentions of AICTE, VTU has instituted the award of Bachelor of Engineering /Technology degree with Honours from the 2018 – 19 batch.

(b) SWAYAM(https://swayam.gov.in/about, © 2019 SWAYAM.)

Study Webs of Active Learning for Young Aspiring Minds (SWAYAM) is India's national MOOC portal to provide the best teaching-learning resources to all, including the most disadvantaged. It is a program initiated by the Government of India and designed to achieve the three cardinal principles of Education Policy viz., access, equity, and quality.

SWAYAM offers at free of cost the best quality courses developed by the following nine National Coordinators.

(1) All India Council for Technical Education(AICTE), (2) National Programme on Technology Enhanced Learning(NPTEL), (3) University Grants Commission(UGC), (4)

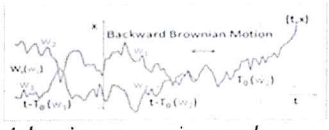
Consortium for Educational Communication(CEC), (5) National Council of Educational Research and Training(NCERT), (6) National Institute of Open Schooling(NIOS), (7) Indira Gandhi National Open University(IGNOU), (8) Indian Institute of Management (IIMB), Bangalore, and (9) National Institute of Technical Teachers Training and Research(NITTTR).

(c) National Programme for Technology Enhanced Learning (NPTEL)

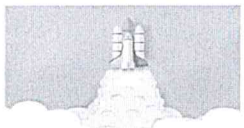
The National Programme on Technology Enhanced Learning (NPTEL), funded by the Ministry of Human Resource Development, Government of India is an online E-learning model for furthering technical knowledge. The online courses in engineering, technology, science, arts, and humanities are designed and executed by IIT Bombay, IIT Delhi, IIT Guwahati, IIT Kanpur, IIT Kharagpur, IIT Madras, IIT Roorkee, and Indian Institute of Science (IISc), Bengaluru.

There are primarily two types of courses, web-based and video-based. The former consists of lecture notes while the latter has segmented videos based on each topic within the course. Students can register for the online courses as per dates in an academic calendar published by each institute (i.e., 7 IIT's and IISc) participating in NPTEL. There are 4-week, 8-week, as well as 12-week courses offered twice a year (January – June, July – December). Students can register/join for any number of courses, however, only a maximum of four (04) examinations can be written per semester/session. Students can sign up (register) for the course/s every time the course/s are offered. Joining a course is free and has no prerequisites, no age limit, and no entrance criteria to enroll. Not all courses on NPTEL are available for certification.

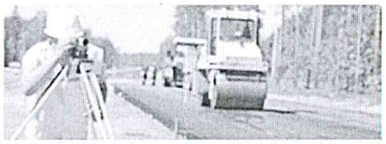
A separate portal "https://onlinecourses.nptel.ac.in/explorer" exists to handle certified courses. Clicking on the above-given link and the resulting nptel – Swayam under *swayam.gov.in › NPTEL*
leads to https://swayam.gov.in/NPTEL course catalog to display, as illustrated below, the courses upcoming (Enrolment open) and Ongoing (Enrolment closed). [Illustration is as available on 18 May 2020]



A basic course in number theory
Prof. Shripad Garge IIT Bombay
NPTEL
12 Weeks (Starts: 20-07-2020)
Exam Date: 18 Oct, 2020
Enrollment Ends: 27 Jul, 2020



Advance Aircraft Maintenance
Prof. A.K. Ghosh, Prof. Vipul Mathur
IIT Kanpur
NPTEL
8 Weeks (Starts: 17-08-2020)
Exam Date: 18 Oct, 2020
Enrollment Ends: 17 Aug, 2020



Advanced Concrete Technology
Prof. Manu Santhanam IIT Madras
NPTEL
12 Weeks (Starts: 20-07-2020)
Exam Date: 18 Oct, 2020
Enrollment Ends: 27 Jul, 2020

The link - https://onlinecourses.nptel.ac.incan be used to enrol/register for NPTEL online course/courses. After enrolling to a course, watching videos and submission of weekly

assignments, students can get a certificate from the IITs/IISc by appearing in-person to the proctored (proctor refers to invigilate) certification examination (for a nominal fee of about Rs.1000.00/-) and Passing the examination with a consolidated score of 40% or above. 25 % of the final marks come from the assignments and 75 % from the final examination. The examination score is 75 % of the proctored certification examination score out of 100. The final score is the sum of the average assignment score and examination score.

Students will be eligible for a certificate only if average assignment score $\geq 10/25$ and Examination Score $\geq 30/75$. The students will not get the certificate if one of the 2 criteria is not met, even if the Final score $\geq 40/100$.

A Certificate will have a student's name, photograph, and score in the final examination with the breakup. It will have the logos of NPTEL and IIT/IISc. It will be e-verifiable at nptel.ac.in/noc. Only the e-certificate will be made available. Hard copies will not be dispatched.

The availability NPTEL course/s, of course, keeps on changing as it depends on the request made by the number of institutions, requirement of the respective course, faculties [subject matter experts (SMEs)]and various other factors.

The NPTEL courses are also part of a lifelong learning process.



VISVESVARAYA TECHNOLOGICAL UNIVERSITY
Jnana Sangama, Belagavi

VTU Regulations governing the award of 'Honours' at B.E./B.Tech. Degree Programmes

18UG HONRS 1.0	**Preamble** These Regulations governing the award of 'Honours' at B.E. / B.Tech., degree programmes have been framed in pursuance of the provisions for this qualification in AICTE model curriculum for undergraduate programs in Engineering and Technology, Vol. I and II, January 2018 and in the UGC Notification on the Specification of Degrees, March 2014. These provisions aim at facilitating the award of higher qualifications and recognition to well-performing undergraduate students of the University on their acquiring additional credits in the same time period for the programs. In adopting these provisions, the University has taken steps to ensure that the quality and standard of the Degree awards are not compromised in any way and they continue to be maintained at a high level.
18UG HONRS2.0	**Short title, Applicability and Commencement** (a) These Regulations shall be called 'VTU Regulations Governing the award of 'Honours' at B.E./B.Tech. Degree Programmes, 2019. (b) These Regulations shall be applicable to all B.E./B.Tech. Degree Programmes being conducted by the University and Autonomous Colleges under the University. (c) These Regulations shall come into force from the date of their notification by the University.
18UG HONRS3.0	**Definitions** In these Regulations, unless the context requires otherwise or it is specified so defined: (a) 'Academic Senate (AS)', and 'Executive Council (EC)' mean the respective Authorities of the University. (b) 'AICTE' means the All India Council for Technical Education established at New Delhi by an act of Parliament in 1987. (c) 'Coursework' means the courses prescribed for the relevant program, which the candidate shall successfully complete in the specified time period for the Degree award. (d) 'e - Resources' means learning material saved electronically in online storage platforms/ devices for using any – where and any-time accessed online or after being downloaded from the relevant sources.

	(e) 'Honours' means a higher recognition awarded to a well-performing UG student on earning the specific extra credits after satisfying the relevant Degree award conditions. (f) 'Intake' means the number of students sanctioned for admission in a year to a Programme/ Department / College as the case may be. (g) 'MOOCs' mean Massive Open Online Courses in a variety of disciplines available at both introductory and advanced levels, accessible from e-resources in India and abroad. (h) 'Principal' means the executive head of an affiliated / constituent / autonomous college under the University. (i) 'Registrar' and 'Registrar (Evaluation)' mean respectively the Registrar and Registrar (Evaluation) of the University. (j) 'UGC' means the University Grants Commission established at New Delhi by an act of Parliament in 1956. (k) 'University' means the Visvesvaraya Technological University (VTU) with its headquarters at Belagavi. (l) 'Vice-Chancellor' means the Vice-Chancellor of the University.
18UG HONRS 4.0	**Eligibility Criteria for Registration** Every student of the University intending to register for the 'Honours' qualification shall fulfill the following academic requirements: (a) Registration to the 'Honours' qualification shall start from the fifth semester onwards. (b) The Registrants shall have obtained a grade ≥ D (scheme 2018) and (≥ B in case of 2022 scheme) in all the courses in the first attempt only, in the semesters until this stage. (c) The Registrants shall have obtained a**CGPA ≥ 7.50** at the end of the fourth semester. (d) The lateral entry Diploma students shall have completed Additional Mathematics I and II during 3rd and 4th semesters on the first attempt only. (e) The lateral entry B.Sc students shall have completed Engineering Graphics and Design, and Civil Engineering and Mechanics of First-Year Engineering Programme, by the end of IV semester on the first attempt only.
18UG HONRS 5.0	**Registration Procedure** (a) Any student meeting the eligibility criteria specified above and intending to register for the Honours qualification shall apply to the University through the Principal of his/her College in the prescribed form along with the prescribed application fees within 15 working days after notification by the University. (b) There shall be no limit on the intake of students for registration for the Honours qualification. All the applicants fulfilling the eligibility shall be free to register for the Honours qualification.

	(c) The Registrar shall notify the registration, or otherwise, of the student/s within the next 15 working days on the University Notice Boards with copies to the Colleges concerned. (d) If registered, the students shall pay a onet-ime non-refundable registration fee as prescribed by the University to confirm the registration.
18UG HONRS 6.0	**Additional Coursework** (a) In addition to the courses prescribed by the University to be completed successfully in the remaining semesters, that is, fifth to eight for the relevant Degree award, each student registered for the Honours qualification shall have to take up the coursework as notified by the university from NPTEL and other platforms and complete each coursework successfully irrespective of the number of attempts, with a final score (Online assignments: 25% + Proctored exam: 75%) leading to NPTEL Elite (60 to 75 %) / Elite + Silver (76 to 89 %) / Elite-Gold ($\geq$ 90 %)certificate, within the minimum prescribed duration for the award of degree.[To be read with 18UG HONRS 6.0 (c)] (b) Students shall be permitted to drop the registered coursework/s and select alternative coursework/s in case they cannot appear for proctored examination/s or complete the examination as per 18UG HONRS 6 (a). (c) The University shall announce the BOS-approved list of MOOCs (chosen from NPTEL/SWAYAM/other platforms) corresponding to each engineering programme. The University shall have the freedom to review and approve additional online platforms from time to time. (d) (i) Students shall choose, online courses totaling to **18 or more credits** from the bouquet of approved online courses as defined in 6(a). (ii) Students shall select, in consultation with the concerned Faculty Advisor, the MOOCs such that the content/syllabus of them are not similar to that of the programmes first to eighth semesters core courses, professional electives or open electives that the student chooses at later semesters of the programme. In case of violations, the credits earned by the students in such course/s shall not be considered for the summation of prescribed 18 or more credits and hence for the award of Honours degree. (e) The students shall earn the credits by only appearing in person to the proctored examination conducted by NPTEL/SWAYAM/other platform. No autonomous or non-autonomous colleges under the University can conduct examination and award credits in lieu of NPTEL/SWAYAM/other platform to accrue 18 or more credits for the award of Honours degree. (f) The method of assessment shall be as per the NPTEL online platform. (g) The credit equivalence for online NPTEL courses shall be determined based on the following table.
18UG HONRS 7.0	**Award of Honours Qualification**

Table: Assigned credits

Online course duration	Assigned credits
04 weeks	01
08 weeks	02
12 weeks	03

All the students who successfully complete the online courses as prescribed under 18UG HONRS 6.0 and submit their certificates to the University through Principal of their respective colleges against the notification issued by the Registrar (Evaluation) in time before closure of eighth semester as per calendar shall be eligible for the 'Honours' qualification.

(a) The Principals of the colleges under VTU shall submit the list of students who are eligible for the award of Honours degree along with the total credit earned by each student and the corresponding MOOC certificates to the University, program wise, together with the CIE marks of 8th semester.
The list shall be validated by the Faculty Advisor of the students under consideration and endorsed by the Head/Chairperson of the Department.

(b) Those students who cannot/do not submit the certificates on or before the last date prescribed by the University shall not be considered for the award of "Honours' qualification, irrespective of the number of credits earned by them. However, they shall be awarded only B.E./B.Tech. Degree.

(c) The 'Honours' qualification shall be suffixed to the respective degrees and shown in the Degree certificates as a recognition of higher achievement by the student concerned.

(d) The CGPA earned by the students shall be only on the basis of students' performance in the various semester-level examinations conducted by the University/ Autonomous colleges, as the case may be.

(e) (i) Students shall maintain a grade $\geq$ D(2018 scheme) and $\geq$ B (2022 scheme) and in all the courses of fifth to eight semesters on first attempt only.
(ii) Students failing to maintain a grade $\geq$ D in all the courses of fifth to eight semesters in first attempt only shall discontinue the attempt to earn additional credits.
(iii) Students not having a **CGPA $\geq$ 7.50** at the end of programme shall not be eligible for the award of Honours even if they have satisfied the additional credits consideration prescribed for Honours degree.
(iv) The Principals of respective colleges shall submit to the University the list of such students who fail to satisfy 18UG HONRS 7.0 (e) (i) from time to time.
(v)The Registrar shall notify the list of deregistered students from time to time.

(f) (i) The Honours degree shall be awarded only if the CGPA at end of the B.E. / B.Tech. programme is equal to or greater than **7.50.**
(ii) Additional credits earned through NPTEL shall not be considered for CGPA of B.E. / B.Tech. programme as well as rank declaration.

(g) All the students fulfilling 18UG HONS 6 (b) and (c) and 18UG HONS 7 (e)_(i) and (f) shall be entitled to receive their transcripts indicating both the achievements of the student concerned.

(h) The award of the Honours degree shall be recommended by the Academic Senate and approved by the Executive Council of the University.

18UG HONRS 8.0	**Repeal and Savings** (a) Notwithstanding anything contained in these Regulations, the provisions of any guidelines, orders, rules or regulations in force at the University shall be inapplicable to the extent of their inconsistency with these Regulations. (b) The University shall issue such orders / instructions, and prescribe such format / procedure, as it may deem fit to implement the provisions of these Regulations.
18UG HONRS 9.0	**Interpretation** (a) Any question as to the interpretation of these Regulations shall be decided by the Vice-Chancellor, whose decision shall be final and binding. (b) The University shall have the powers to issue clarifications to remove any doubt, difficulty or anomaly which may arise during the implementation of the provisions of these Regulations.

Acharya Institute of Technology

Affiliated to VTU, Recognized by GOK and Approved by AICTE, New Delhi (Accredited by NAAC and NBA)
Acharya Dr. Sarvepalli Radhakrishnan Road, Acharya P.O., Soladevanahalli, Bangalore-560107, INDIA
www.acharya.ac.in, Ph. No. - 080-22555555, Email: principalait@acharya.ac.in

List of Students Awarded – BE Honors Degree

ACHARYA

Acharya Institute of Technology

HONORS DEGREE TOTAL ABSTRACT

Sl No.	Academic year	Registered/ Awarded	Total
1	2018	Registered	37
		Awarded	Nil
2	2019	Registered	17
		Awarded	01
3	2020	Registered	03
		Awarded	Nil
4	2021	Registered	96
		Awarded	Nil
5	2022	Registered	63
		Awarded	Nil

HONORS DEGREE DEPARTMENT WISE ABSTRACT

Dept	2018 (Batch)		2019(Batch)		2020(Batch)		2021(Batch)		2022(Batch)		Grand Total	
	Registered	Awarded	Registered	Awarded	Registered	Awarded	Registered	Awarded	Registered	Awarded	Registered	Awarded
AE	11	0	8	0	0	0	10	0	2	0	31	0
AI	0	0	0	0	0	0	12	0	0	0	12	0
AU	0	0	0	0	0	0	0	0	0	0	0	0
BT	0	0	0	0	2	0	12	0	8	0	22	0
CS	17	0	0	0	1	0	28	0	36	0	82	0
CV	0	0	0	0	0	0	1	0	5	0	6	0
EC	0	0	0	0	0	0	4	0	3	0	7	0
EE	0	0	0	0	0	0	9	0	1	0	10	0
IS	2	0	0	0	0	0	1	0	5	0	8	0
ME	0	0	0	0	0	0	5	0	2	0	7	0
MT	7	0	9	1	0	0	14	0	1	0	31	1
Total	**37**	**0**	**17**	**1**	**3**	**0**	**96**	**0**	**63**	**0**	**216**	**1**

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

KARNATAKA, INDIA

Certifies that

PRAMOD P R

ಬ್ಯಾಚಲರ್ ಆಫ್ ಇಂಜಿನಿಯರಿಂಗ್ ಅನ್ನು

ಪದವಿಗೆ ಅಗತ್ಯವಾದ ಅರ್ಹತೆಗಳನ್ನುಳ್ಳವರೆಂದು ಪರಿಗಣಿತವಾಗಿರುವ ಕಾರಣ
ಮೇಲೆ ಕಾಣಿಸಿದ ಪದವಿಗೆ ಅವರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ

has been duly admitted to the Degree of

Bachelor of Engineering

in recognition of the fulfilment of requirements

for the said degree

ಪರೀಕ್ಷಾ ಕ್ರಮ ಸಂಖ್ಯೆ
University Seat Number : 1AY19MT028

ವಿಷಯ
Subject : *Mechatronics Engineering*

ಶ್ರೇಣಿ
Class : *First Class with Distinction*

D 23 00069

ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮುದ್ರೆಯೊಂದಿಗೆ ಕೊಡಲ್ಪಟ್ಟಿದೆ
Given under the seal of the University

ಬೆಳಗಾವಿ
Belagavi

Month & Year of Passing : June 2023

ಕುಲಪತಿ
VICE CHANCELLOR

ದಿನಾಂಕ
Date : *AUG 01, 2023*

Note : Honours degree is awarded by considering the additional 18 (or more) credits earned by the student through online courses listed in the Grade card by Honours Degree Programme.

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

ವಿಟಿಯು ಅಧಿನಿಯಮ ೧೯೯೪ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯವಿಶ್ವವಿದ್ಯಾಲಯ

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

State University of Government of Karnataka Established as per the VTU Act, 1994"JnanaSangama" Belagavi-590018, Karnataka, India

Prof. B. E. Rangaswamy, Ph.D
REGISTRAR

Phone: (0831) 2498100
Fax: (0831) 2405467

REF: VTU/BGM/ACA/2023/ 2168

DATE: 24 JUL 2023

CIRCULAR

Subject: The regulations governing the award of B.E./B.Tech, Hons degree with amendments regarding...

Reference: VTU/BGM/OS-Aca/2020-21/369, Dated 03.06.2020
VTU/BGM/Aca-Cirs/SA/2023-24/1359, Dated 3.06.2023

The CGPA requirement to register for a Hons degree has been amended and is "The registrants shall have to obtain a CGPA ≥7.5 at the end of the 4th semester for the registration to B.E./B.Tech, Hons degree program".

All the chairpersons /Program coordinators of the PG departments of the University and all Principals of the engineering colleges under the ambit of the University are hereby informed to bring the content of the circular to the notice of all concerned

Sd/-
REGISTRAR

To,

- All the principals of engineering colleges under the ambit of the university
- All the Chairperson/ Program coordinators of PG departments at Muddenhalli, Bengaluru, Mysuru, Gulburga and Belagavi

CC to

- The Hon'ble Vice-Chancellor through the secretary to VC for information
- The Registrar (Evaluation) for information and needful
- The Director, Centre for Online Education for information and needful
- The Director ITI SMU for information and make arrangements to upload the same on the VTU web portal @ https://vtu.ac.in/en/category/administration/ and also https://vtu.ac.in/en/b-e-b-tech-regulations-honours/

24/07/23

REGISTRAR

ವಿಶ್ವೇಶ್ವರಯ್ಯತಾಂತ್ರಿಕವಿಶ್ವವಿದ್ಯಾಲಯ

ವಿಟಿಯುಅಧಿನಿಯಮ೧೯೯೪" ರಅಡಿಯಲ್ಲಿಕರ್ನಾಟಕಸರ್ಕಾರದಿಂದಸ್ಥಾಪಿತವಾದರಾಜ್ಯವಿಶ್ವವಿದ್ಯಾಲಯ

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

State University of Government of Karnataka Established as per the VTU Act, 1994"JnanaSangama" Belagavi-590018, Karnataka, India

Prof. Dr. B. E. Rangaswamy, Ph.D
REGISTRAR

Phone: (0831) 2498100
Fax: (0831) 2405467

REF: VTU/BGM/Aca-Cirs/SA/2023-24/ 1359

DATE: 13 JUN 2023

NOTIFICATION

Sub: Amendment to Regulations Governing the Degree of the Award of ' Honours' of B.E./ B.Tech. Degree Programme – reg...

Ref: 1. This office Notification VTU/BGM/OS-Aca/202021/ 369 dt: 3-6-2020

2. VTU's Executive Council Resolution. No. 2.2.2 dt: 17-5-2023 (172nd Meting)

It has been observed that there are many aspirants for registration to B.E. Honors Degree, but due to entry level requirements they are not able to register. The University received requests from principals and students in this regard. The requests were placed before teh Executive Council and hence the following amendment is notified.

Clause	Existing	Amended as
18UGHONRS 4(c)	The Registrants shall have obtained a CGPA ≥8.50 at the end of fourth semester	The Registrants shall have obtained a CGPA ≥7.50 at the end of fourth semester

This amendment is implemented from the academic year 2023-24 and onwards.

BY ORDER,

REGISTRAR

To,

1. **The Principals of All Colleges (Affiliated, Autonomous, Constituent) under the ambit VTU, Belagavi**
2. **All the Chairpersons/ Programme coordinators of VTU PG Centres**

Copy to:

1. Hon'ble Vice-Chancellor through the Secretary to VC, VTU, Belagavi for kind information
2. The Regional Directors (I/C) of all the Regional Offices of VTU for circulation
3. The Special Officers and Case workers of Academic Section, VTU, Belagavi
4. The Director (I/c), ITISMU, VTU, Belagavi – to upload on VTU website

Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018, Karnataka State

Dr. A S. Deshpande B.E. M.Tech., Ph.D.,
REGISTRAR
Phone : (0831) 2498100
Fax : (0831) 2405467

Ref: VTU/BGM/OS-Aca/2020-21/ 369 Date : - 3 JUN 2020

NOTIFICATION

Sub: Regulations Governing the Degree of the Award of 'Honours' at B.E./ B.Tech. Degree Programmes – reg...

Ref: Executive Council Resolution. No.2.2.1 dt: 27th May, 2020

Pursuant to the aforesaid Executive Council Resolution, the **"Regulations Governing the Degree of the Award of 'Honours' at B.E./ B.Tech. Degree Programmes** are hereby notified.

These Regulations are applicable for the following students:

1. Admitted to I semester/I year from the academic year 2018-19 (i.e. USN XXX18XXXXX)
2. Admitted to III semester/II year from the academic year 2019-20 (i.e. USN XXX19XX4XX)
3. These Regulations are uniformly applicable to Affiliated, Autonomous and Constituent Colleges under VTU

You are hereby directed to bring the same to the notice of all the concerned and to follow them scrupulously.

BY ORDER

02.6.2020

REGISTRAR

2/6/2020

Encl: as above

To,
The of Principals of All Engineering (Affiliated/ Autonomous/ Constituent) Colleges under the ambit of VTU, Belagavi

Copy to:

1. Hon'ble Vice-Chancellor through the Secretary to VC, VTU, Belagavi for kind information
2. The Registrar (Evaluation), VTU, Belagavi
3. The Regional Directors (I/C) of all the Regional Offices of VTU for circulation
4. The Computer Network Centre, VTU, Belagavi- to upload on VTU website
5. PS to Registrar, VTU, Belagavi
6. All the concerned Special Officer and Case-workers of Academic Section, VTU, Belagavi

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"Jnana Sangama", Belagavi

VTU Regulations Governing the Award of 'Honours' at B.E./B.Tech. Degree Programmes

(Applicable to 2018 – 19 batch and onwards)

May 2020

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VTU REGULATIONS GOVERNING THE AWARD OF 'HONOURS' AT B.E./B.TECH. DEGREE PROGRAMMMES		
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Introduction:

(a) Honours Degree

An increasingly interconnected global economy (the economies of the world's individual countries are considered together as a single economic system.) as the result of globalization is creating collaborative opportunities and competitive pressures requiring broadly educated engineers and business professionals. Also, the next generation of engineers has to practice an interdisciplinary approach to problem-solving.

The objectives of decorating the students with superior academic ability with Honours(Honours: British, Honors: US) are to

- Encourage advanced levels of study and multidisciplinary learning,
- Specialize in a focused area of their interest,
- Learn new skills and methodologies pertaining to their area of interest,
- Enable personal creativity,
- Cultivate a sustaining interest in advanced education and research,
- Enhance professional development, and
- Provide opportunities to gain recognition at the time of graduation for advanced, distinguished work as an undergraduate.

The Bachelor of Engineering degree with Honours earned with experiences, both inside and outside the classroom, will enhance, after graduation, all types of opportunities as professional engineers in the competitive world.

To encourage and groom engineering students during their engineering program to become self-motivated independent investigators, critical thinkers, problem solvers, good communicators, team players, effective managers, life-long learners, as well as economically, environmentally, and socially aware AICTE has introduced a scheme wherein each student has to earn **18 or more** additional credits through Massive Open Online Courses (MOOCs).

To cater to the engineering skill requirements of the next generation due to continuously changing expectations of the industry, society, and global stakeholder community owing to technology growth and globalization, VTU intends to prepare graduates equipped with interdisciplinary knowledge.

To embody the intentions of AICTE, VTU has instituted the award of Bachelor of Engineering /Technology degree with Honours from the 2018 – 19 batch.

(b) SWAYAM(https://swayam.gov.in/about, © 2019 SWAYAM.)

Study Webs of Active Learning for Young Aspiring Minds (SWAYAM) is India's national MOOC portal to provide the best teaching-learning resources to all, including the most disadvantaged. It is a program initiated by the Government of India and designed to achieve the three cardinal principles of Education Policy viz., access, equity, and quality.

SWAYAM offers at free of cost the best quality courses developed by the following nine National Coordinators.

(1) All India Council for Technical Education(AICTE), (2) National Programme on Technology Enhanced Learning(NPTEL), (3) University Grants Commission(UGC), (4)

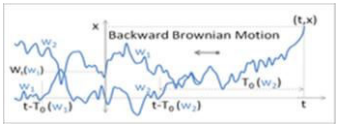
Consortium for Educational Communication(CEC), (5) National Council of Educational Research and Training(NCERT), (6) National Institute of Open Schooling(NIOS), (7) Indira Gandhi National Open University(IGNOU), (8) Indian Institute of Management (IIMB), Bangalore, and (9) National Institute of Technical Teachers Training and Research(NITTTR).

(c) National Programme for Technology Enhanced Learning (NPTEL)

The National Programme on Technology Enhanced Learning (NPTEL), funded by the Ministry of Human Resource Development, Government of India is an online E-learning model for furthering technical knowledge. The online courses in engineering, technology, science, arts, and humanities are designed and executed by IIT Bombay, IIT Delhi, IIT Guwahati, IIT Kanpur, IIT Kharagpur, IIT Madras, IIT Roorkee, and Indian Institute of Science (IISc), Bengaluru.

There are primarily two types of courses, web-based and video-based. The former consists of lecture notes while the latter has segmented videos based on each topic within the course. Students can register for the online courses as per dates in an academic calendar published by each institute (i.e., 7 IIT's and IISc) participating in NPTEL. There are 4-week, 8-week, as well as 12-week courses offered twice a year (January – June, July – December). Students can register/join for any number of courses, however, only a maximum of four (04) examinations can be written per semester/session. Students can sign up (register) for the course/s every time the course/s are offered. Joining a course is free and has no prerequisites, no age limit, and no entrance criteria to enroll. Not all courses on NPTEL are available for certification.

A separate portal "https://onlinecourses.nptel.ac.in/explorer" exists to handle certified courses. Clicking on the above-given link and the resulting nptel – Swayam under *swayam.gov.in › NPTEL*
leads to https://swayam.gov.in/NPTEL course catalog to display, as illustrated below, the courses upcoming (Enrolment open) and Ongoing (Enrolment closed). [Illustration is as available on 18 May 2020]



A basic course in number theory
Prof. Shripad Garge IIT Bombay
NPTEL
12 Weeks (Starts: 20-07-2020)
Exam Date: 18 Oct, 2020
Enrollment Ends: 27 Jul, 2020



Advance Aircraft Maintenance
Prof. A.K. Ghosh, Prof. Vipul Mathur IIT Kanpur
NPTEL
8 Weeks (Starts: 17-08-2020)
Exam Date: 18 Oct, 2020
Enrollment Ends: 17 Aug, 2020



Advanced Concrete Technology
Prof. Manu Santhanam IIT Madras
NPTEL
12 Weeks (Starts: 20-07-2020)
Exam Date: 18 Oct, 2020
Enrollment Ends: 27 Jul, 2020

The link - https://onlinecourses.nptel.ac.incan be used to enrol/register for NPTEL online course/courses. After enrolling to a course, watching videos and submission of weekly

assignments, students can get a certificate from the IITs/IISc by appearing in-person to the proctored (proctor refers to invigilate) certification examination (for a nominal fee of about Rs.1000.00/-) and Passing the examination with a consolidated score of 40% or above. 25 % of the final marks come from the assignments and 75 % from the final examination. The examination score is 75 % of the proctored certification examination score out of 100. The final score is the sum of the average assignment score and examination score.

Students will be eligible for a certificate only if average assignment score $\geq 10/25$ and Examination Score $\geq 30/75$. The students will not get the certificate if one of the 2 criteria is not met, even if the Final score $\geq 40/100$.

A Certificate will have a student's name, photograph, and score in the final examination with the breakup. It will have the logos of NPTEL and IIT/IISc. It will be e-verifiable at nptel.ac.in/noc. Only the e-certificate will be made available. Hard copies will not be dispatched.

The availability NPTEL course/s, of course, keeps on changing as it depends on the request made by the number of institutions, requirement of the respective course, faculties [subject matter experts (SMEs)]and various other factors.

The NPTEL courses are also part of a lifelong learning process.



VISVESVARAYA TECHNOLOGICAL UNIVERSITY
Jnana Sangama, Belagavi

VTU Regulations governing the award of 'Honours' at B.E./B.Tech. Degree Programmes

18UG HONRS 1.0	**Preamble** These Regulations governing the award of 'Honours' at B.E. / B.Tech., degree programmes have been framed in pursuance of the provisions for this qualification in AICTE model curriculum for undergraduate programs in Engineering and Technology, Vol. I and II, January 2018 and in the UGC Notification on the Specification of Degrees, March 2014. These provisions aim at facilitating the award of higher qualifications and recognition to well-performing undergraduate students of the University on their acquiring additional credits in the same time period for the programs. In adopting these provisions, the University has taken steps to ensure that the quality and standard of the Degree awards are not compromised in any way and they continue to be maintained at a high level.
18UG HONRS2.0	**Short title, Applicability and Commencement** (a) These Regulations shall be called 'VTU Regulations Governing the award of 'Honours' at B.E./B.Tech. Degree Programmes, 2019. (b) These Regulations shall be applicable to all B.E./B.Tech. Degree Programmes being conducted by the University and Autonomous Colleges under the University. (c) These Regulations shall come into force from the date of their notification by the University.
18UG HONRS3.0	**Definitions** In these Regulations, unless the context requires otherwise or it is specified so defined: (a) 'Academic Senate (AS)', and 'Executive Council (EC)' mean the respective Authorities of the University. (b) 'AICTE' means the All India Council for Technical Education established at New Delhi by an act of Parliament in 1987. (c) 'Coursework' means the courses prescribed for the relevant program, which the candidate shall successfully complete in the specified time period for the Degree award. (d) 'e - Resources' means learning material saved electronically in online storage platforms/ devices for using any – where and any-time accessed online or after being downloaded from the relevant sources.

	(e) 'Honours' means a higher recognition awarded to a well-performing UG student on earning the specific extra credits after satisfying the relevant Degree award conditions. (f) 'Intake' means the number of students sanctioned for admission in a year to a Programme/ Department / College as the case may be. (g) 'MOOCs' mean Massive Open Online Courses in a variety of disciplines available at both introductory and advanced levels, accessible from e-resources in India and abroad. (h) 'Principal' means the executive head of an affiliated / constituent / autonomous college under the University. (i) 'Registrar' and 'Registrar (Evaluation)' mean respectively the Registrar and Registrar (Evaluation) of the University. (j) 'UGC' means the University Grants Commission established at New Delhi by an act of Parliament in 1956. (k) 'University' means the Visvesvaraya Technological University (VTU) with its headquarters at Belagavi. (l) 'Vice-Chancellor' means the Vice-Chancellor of the University.
18UG HONRS 4.0	**Eligibility Criteria for Registration** Every student of the University intending to register for the 'Honours' qualification shall fulfill the following academic requirements: (a) Registration to the 'Honours' qualification shall start from the fifth semester onwards. (b) The Registrants shall have obtained a grade ≥ D (scheme 2018) and (≥ B in case of 2022 scheme) in all the courses in the first attempt only, in the semesters until this stage. (c) The Registrants shall have obtained a**CGPA ≥ 7.50** at the end of the fourth semester. (d) The lateral entry Diploma students shall have completed Additional Mathematics I and II during 3rd and 4th semesters on the first attempt only. (e) The lateral entry B.Sc students shall have completed Engineering Graphics and Design, and Civil Engineering and Mechanics of First-Year Engineering Programme, by the end of IV semester on the first attempt only.
18UG HONRS 5.0	**Registration Procedure** (a) Any student meeting the eligibility criteria specified above and intending to register for the Honours qualification shall apply to the University through the Principal of his/her College in the prescribed form along with the prescribed application fees within 15 working days after notification by the University. (b) There shall be no limit on the intake of students for registration for the Honours qualification. All the applicants fulfilling the eligibility shall be free to register for the Honours qualification.

	(c) The Registrar shall notify the registration, or otherwise, of the student/s within the next 15 working days on the University Notice Boards with copies to the Colleges concerned. (d) If registered, the students shall pay a onet-ime non-refundable registration fee as prescribed by the University to confirm the registration.
18UG HONRS 6.0	**Additional Coursework** (a) In addition to the courses prescribed by the University to be completed successfully in the remaining semesters, that is, fifth to eight for the relevant Degree award, each student registered for the Honours qualification shall have to take up the coursework as notified by the university from NPTEL and other platforms and complete each coursework successfully irrespective of the number of attempts, with a final score (Online assignments: 25% + Proctored exam: 75%) leading to NPTEL Elite (60 to 75 %) / Elite + Silver (76 to 89 %) / Elite-Gold (≥ 90 %)certificate, within the minimum prescribed duration for the award of degree.[To be read with 18UG HONRS 6.0 (c)] (b) Students shall be permitted to drop the registered coursework/s and select alternative coursework/s in case they cannot appear for proctored examination/s or complete the examination as per 18UG HONRS 6 (a). (c) The University shall announce the BOS-approved list of MOOCs (chosen from NPTEL/SWAYAM/other platforms) corresponding to each engineering programme. The University shall have the freedom to review and approve additional online platforms from time to time. (d) (i) Students shall choose, online courses totaling to **18 or more credits** from the bouquet of approved online courses as defined in 6(a). (ii) Students shall select, in consultation with the concerned Faculty Advisor, the MOOCs such that the content/syllabus of them are not similar to that of the programmes first to eighth semesters core courses, professional electives or open electives that the student chooses at later semesters of the programme. In case of violations, the credits earned by the students in such course/s shall not be considered for the summation of prescribed 18 or more credits and hence for the award of Honours degree. (e) The students shall earn the credits by only appearing in person to the proctored examination conducted by NPTEL/SWAYAM/other platform. No autonomous or non-autonomous colleges under the University can conduct examination and award credits in lieu of NPTEL/SWAYAM/other platform to accrue 18 or more credits for the award of Honours degree. (f) The method of assessment shall be as per the NPTEL online platform. (g) The credit equivalence for online NPTEL courses shall be determined based on the following table. **Table: Assigned credits** Online course duration | Assigned credits 04 weeks | 01 08 weeks | 02 12 weeks | 03
18UG HONRS 7.0	**Award of Honours Qualification**

	All the students who successfully complete the online courses as prescribed under 18UG HONRS 6.0 and submit their certificates to the University through Principal of their respective colleges against the notification issued by the Registrar (Evaluation) in time before closure of eighth semester as per calendar shall be eligible for the 'Honours' qualification. (a) The Principals of the colleges under VTU shall submit the list of students who are eligible for the award of Honours degree along with the total credit earned by each student and the corresponding MOOC certificates to the University, program wise, together with the CIE marks of 8th semester. The list shall be validated by the Faculty Advisor of the students under consideration and endorsed by the Head/Chairperson of the Department. (b) Those students who cannot/do not submit the certificates on or before the last date prescribed by the University shall not be considered for the award of "Honours' qualification, irrespective of the number of credits earned by them. However, they shall be awarded only B.E./B.Tech. Degree. (c) The 'Honours' qualification shall be suffixed to the respective degrees and shown in the Degree certificates as a recognition of higher achievement by the student concerned. (d) The CGPA earned by the students shall be only on the basis of students' performance in the various semester-level examinations conducted by the University/ Autonomous colleges, as the case may be. (e) (i) Students shall maintain a grade ≥ D(2018 scheme) and ≥ B (2022 scheme) and in all the courses of fifth to eight semesters on first attempt only. (ii) Students failing to maintain a grade ≥ D in all the courses of fifth to eight semesters in first attempt only shall discontinue the attempt to earn additional credits. (iii) Students not having a **CGPA ≥ 7.50** at the end of programme shall not be eligible for the award of Honours even if they have satisfied the additional credits consideration prescribed for Honours degree. (iv) The Principals of respective colleges shall submit to the University the list of such students who fail to satisfy 18UG HONRS 7.0 (e) (i) from time to time. (v)The Registrar shall notify the list of deregistered students from time to time. **(f)** (i) The Honours degree shall be awarded only if the CGPA at end of the B.E. / B.Tech. programme is equal to or greater than **7.50.** (ii) Additional credits earned through NPTEL shall not be considered for CGPA of B.E. / B.Tech. programme as well as rank declaration. (g) All the students fulfilling 18UG HONS 6 (b) and (c) and 18UG HONS 7 (e) (i) and (f) shall be entitled to receive their transcripts indicating both the achievements of the student concerned. (h) The award of the Honours degree shall be recommended by the Academic Senate and approved by the Executive Council of the University.

18UG HONRS 8.0	**Repeal and Savings** (a) Notwithstanding anything contained in these Regulations, the provisions of any guidelines, orders, rules or regulations in force at the University shall be inapplicable to the extent of their inconsistency with these Regulations. (b) The University shall issue such orders / instructions, and prescribe such format / procedure, as it may deem fit to implement the provisions of these Regulations.
18UG HONRS 9.0	**Interpretation** (a) Any question as to the interpretation of these Regulations shall be decided by the Vice-Chancellor, whose decision shall be final and binding. (b) The University shall have the powers to issue clarifications to remove any doubt, difficulty or anomaly which may arise during the implementation of the provisions of these Regulations.



Visvesvaraya Technological University, Belagavi

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REGULATIONS GOVERNING
THE DEGREE OF MASTER OF BUSINESS ADMINISTRATION (MBA)
Under Outcome Based Education (OBE)
AND
Choice Based Credit System (CBCS) Scheme
Effective from academic year 2024-25

DRAFT REGULATIONS

2024

Visvesvaraya Technological University, Belagavi
Regulations Governing the Degree of MBA
Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS) Scheme
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Definitions of Keywords

The following are the definitions/descriptions that have been followed for the different terms used in the Regulations of MBA Programme:

(1) Programme: Is an educational programme in Masters of Business Administration (MBA) leading to award of Degree. It involves events/activities, comprising of lectures / tutorials / laboratory work/ field work, outreach activities/project work/vocational training/viva/seminars/Internship/ assignments/ presentations/ self-study/societal projects/online certificate courses etc., or a combination of some of these.

(2) Branch: Means Specialization or discipline

(3) Semester: Refers to one of the two sessions of an academic year (vide: serial number 4), each session being of sixteen weeks duration (with working days greater than or equal to ninety). The odd semester may be scheduled from August and even semester from February of each year.

(4) Academic Year: Refers to the sessions of two consecutive semesters (odd followed by an even) including periods of vacation.

(5) Course: Refers to subjects/papers of a programme. All Courses need not carry the same weight. The Courses should define learning objectives and learning outcomes. A Course may be designed to comprise lectures/ tutorials/ laboratory work/ field work/ outreach activities/project work/ vocational training/ viva/ seminars/ term papers/assignments/ presentations/ self-study etc., or a combination of some of these.

(6) Credit: Refers to a unit by which the Course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of lecture or two hours of laboratory/practical Courses/ tutorials/ fieldwork per week etc.

(7) Audit Courses: Means Knowledge/ Skill enhancing Courses without the benefit of a grade or credit for a Course.

(8) Choice Based Credit System (CBCS): Refers to customizing the Course work, through Core, Elective and soft skill Courses, to provide necessary support for the students to achieve their goals.

(9) Course Registration: Refers to formal registration for the Courses of a semester (Credits) by every student under the supervision of a Faculty Advisor (also called Mentor, Counselor etc.,) in each Semester for the Institution to maintain proper record.

(10) Course Evaluation: Means Continuous Internal Evaluation (CIE) and Semester End Examinations (SEE) which shall constitute the major evaluations prescribed for each Course. CIE and SEE shall carry 50 % each, to enable each Course to be evaluated for 100 marks, irrespective of its Credits.

(11) Continuous Internal Evaluation (CIE): Refers to evaluation of students' achievement in the learning process. CIE shall be done by the Course Instructor and includes tests, homework, problem solving, group discussion, quiz, mini-project and seminar throughout the Semester, with weightage for the different components being fixed at the University level.

(12) Semester end examinations (SEE): Refers to examination conducted at the University level covering the entire Course Syllabus. For this purpose, Syllabi is to be modularized and SEE questions are to be set from each module. SEE is also termed as university examination.

(13) First Attempt: Refers to a student who has completed all formalities and has become eligible to attend the SEE and has attended at least one head of passing, such attempt shall be considered as first attempt.

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(14) Credit Based System (CBS): Refers to quantification of Course work, after a student completes teaching – learning process, followed by passing in both CIE and SEE. Under CBCS, the requirement for awarding degree is prescribed in terms of total number of credits to be earned by the students.

(15) Credit Representation: Refers to Credit Values for different academic activities considered, as per the Table.1. Credits for seminar, project phases, project viva–voce and internship shall be as specified in the Scheme of Teaching and Examination.

(16) Letter Grade: It is an index of the performance of students in a said Course. Grades are denoted by letters S, A, B, C, D, E and F.

Table 1: Credit Values

Theory/Lectures (L) (hours/week/Semester)	Tutorials (T) (hours/week/Semester)	Laboratory/Practical (P) (hours/week/Semester)	Credits (L:T:P)	Total Credits
4	0	0	4:0:0	4
3	0	0	3:0:0	3
2	2	0	2:1:0	3
2	0	2	2:0:1	3
2	2	2	2:1:1	4
0	0	6	0:0:3	3

NOTE: Activities like, practical training, study tour and participation in Guest lectures not to carry Credits.

(17) Grading: Grade refers to qualitative measure of achievement of a student in each Course, based on the percentage of marks secured in (CIE plus SEE). Grading is done by Absolute Grading [Refer to 24OMB6.0]. The rubric attached to letter grades are as follows:
O – Outstanding, A + – Excellent, A– Very Good, B+– Good, B – Average, C – Pass and F – Fail.

(18) Grade Point (GP): Refers to a numerical weightage allotted to each letter grade on a 10-point scale as under.

Letter Grade and corresponding Grade Points on a typical 10 – Point scale							
Letter Grade	**O**	**A+**	**A**	**B+**	**B**	**C**	**F**
	Outstanding	**Excellent**	**Very Good**	**Good**	**Average**	**Pass**	**Fail**
Grade Point	**10**	**9**	**8**	**7**	**6**	**5**	**0**
% of Marks secured	90-100	80-89	70-79	60-69	55-59	50-54	0-49

(19) Passing Standards: Refers to passing a Course only when getting GP greater than or equal to 04 (as per serial number 18).

The weightage of Continuous Internal Evaluation (CIE) is 50% and for Semester End Exam (SEE) is 50%. The minimum passing marks for the CIE is 50% of the maximum marks. Minimum passing marks in SEE is 40% of the maximum marks of SEE. A student shall be deemed to have satisfied the academic requirements (passed) and earned the credits allotted to each course if the student secures not less than 50% in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together.

(20) Credit Point: Is the product of grade point (GP) and number of credits for a Course i.e.,

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$$\text{Credt points (CrP)} = \text{GP} \times \text{Credits for the Course.}$$

(21) Semester Grade Point Average (SGPA): Refers to a measure of academic performance of student/s in a semester. It is the ratio of total credit points secured by a student in various Courses of a semester and the total Course credits taken during that semester. [Refer to24OMB6.0]

(22) Cumulative Grade Point Average (CGPA): Is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points earned by a student in various Courses in all semesters and the sum of the total credits of all Courses in all the semesters. It is expressed up to two decimal places. [Refer to 24OMB6.0]

(23) Grade Card: Refers to a certificate showing the grades earned by a student. A grade card shall be issued to all the registered students after every semester. The grade card will display the programme details (Course code, title, number of credits, grades secured) along with SGPA of that semester and CGPA earned till that semester.

(24) University: Visvesvaraya Technological University (VTU), Belagavi.



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24OMB1.0	**Title, Duration and Credits of the Programme of Study**
24OMB1.1	**Title** The Program shall be called Master of Business Administration (Subject of Specialization) abbreviated as MBA (Subject of Specialization).■
24OMB1.2	**Minimum Duration** The Programme shall be a full time program for a period of two academic years duration divided into four semesters and each semester shall be of 16 weeks duration. ■
24OMB 1.3	A Faculty/ Employee working on Full Time basis in an Institution/ Organisation and pursuing/ pursued any Full Time Course for the same duration as that of Regular Shift shall be considered as ineligible for the purpose of employment/ higher studies. ■
24OMB1.4	**Maximum Duration for Programme Completion:** A candidate shall be allowed a maximum duration of 4 years from the first semester of admission to become eligible for the award of the Degree, failing which he/she may discontinue the program or register once again as a fresh candidate to I semester.■
24OMB1.5	Prescribed Number of Credits for the Programme: The number of credits to be completed for the award of degree shall be **100**.■
24OMB1.6	**Definition of Credits:** 01 hour Lecture (L) per week per semester =1 Credit 02 hour Tutorial (T) per week per semester =1 Credit 02 hour Practical/Laboratory/Drawing (P) per week per semester =1 Credit. **Note:** **(i)** Four credit Courses are designed for 50 hours Teaching – Learning process. **(ii)** Three credit Courses are designed for 40 hours Teaching – Learning process.■
24OMB1.7	The Calendar of events in respect of the Programme shall be notified by the University in advance.■
24OMB2.0	**Eligibility for Admission (As per the Government orders issued from time to time)**
24OMB2.1	Admission to MBA Program shall be open to the candidates who have passed recognized Bachelor's Degree of a minimum of 3 years duration or equivalent examination and must have obtained an aggregate minimum of 50 % marks taken together in all the subjects including languages in all the years of the Degree Examination and 45% of marks in case of SC, ST and Category-I of Karnataka candidates. (Reservation is applicable only for Karnataka Candidates).■
24OMB2.2	**For admissions under PGCET qualification and Roaster system of Government of Karnataka:** There shall be an Entrance Examination (PGCET) for admission to the MBA programme. A candidate seeking admission to MBA Programme offered in any of the Engineering Colleges affiliated to VTU shall appear for this Examination. For admission under Government quota, ranks obtained in PGCET entrance examination, conducted by Karnataka Examination Authority (KEA), shall be considered. **For admissions under Management Quota:** The candidates should have appeared for the Entrance Examination conducted by KEA (PGCET)/Karnataka Management Aptitude Test (KMAT) or appeared and qualified under any approved entrance examination conducted by the authority recognized by Government of Karnataka/VTU /any other University of Karnataka state. Further, there shall be an Admissions Committee for the MBA Program consisting of the Principal of the College as the Chairman, Head of the concerned Department/Chairperson and one senior staff member of the concerned Department. The Admissions Committee conducts the interview and selects the candidates for admission.■

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24OMB2.3	**(i)** The candidates from Universities other than the Universities of Karnataka shall have to obtain Eligibility Certificate from the VTU to seek admission to MBA program in any of the college affiliated to VTU. **(ii)** The candidates from foreign countries shall have to obtain Eligibility Certificate from the VTU to seek admission to MBA program in any of the colleges affiliated to VTU. Further, they have to produce equivalence certificate from the Association of Indian Universities (AIU) New Delhi. ■
24OMB2.4	The intake under various categories (regular, SC/ST and category I) shall be as sanctioned by the AICTE, State Government and VTU, from time to time.■
24OMB2.5	**Admission to vacant seats:** Seats remaining vacant (unfilled), after the completion of PG admission process by Karnataka Examination Authority, shall be filled by the Institution by inviting applications through Press notification. The seats shall be filled by Candidates preferably who have PGCET score. In the absence of such Candidates, admission shall be based on merit in the entrance test conducted at the Institution level. An Admissions Committee, consisting of the Principal of the College, the Head of the concerned Department, the Chairperson and the subject experts, shall be in charge of admissions. ■
24OMB3.0	**Courses**
24OMB3.1	The curriculum of the Programme shall be any combination of following type of courses: **(i)**Professional Core Courses (PC) - relevant to the chosen specialization/ branch [May be split into Hard (no choice) and Soft (with choice), if required]. The core course is to be compulsorily studied by a student and is mandatory to complete the requirements of a programme in a said discipline of study. **(ii)**Professional Electives Courses (PE) - relevant to the chosen specialization/ branch: these are the courses, which can be chosen from the pool of papers. It shall be supportive to the discipline/ providing extended scope/enabling an exposure to some other discipline / domain / nurturing student skills. **(iii)**Open Electives Courses (OE) - from other technical and/ or emerging specialization areas. **(iv)**Project Work, Seminar. **(v)**Audit Courses (AC)/ Skill Enhancement Course (SEC)-The Audit course can be any non-credit course offered by the program to which the Candidate is admitted (other than the courses considered for completing the prescribed program credits). Audit course/s are non-credit courses opted by students for self – enrichment. Though, the CIE and SEE are not required, the attendance to be compulsorily satisfied, for the audit course/s to find a place in the grade card without the mention of letter grade and credit. **(vi)**Professional training/Internship Preferably at an industry/R and D Organization/IT company/ Government Organization / Business Organization of significant repute for a specified period mentioned in Scheme of Teaching and Examination. ■
24OMB3.2	A candidate shall exercise his /her option in respect of the electives and register for the same before the beginning of the concerned semester. The candidate may be permitted to opt for change of elective subject within 10 days from the date of commencement of the semester as per the calendar of the University.■

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24OMB3.3	Students shall be allowed to choose the elective/s, depending on their career plans, and there shall not be any restriction as regards the minimum number of students to be registered for an elective course.■

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24OMB4.0	**Internship**
24OMB4.1	**Internship:** The student shall undergo mandatory Internship/Organisation study as per the Scheme of Teaching and Examination. **(1)**The internship shall be carried out in any industry/R&D Organisation/Research Institute/Institute of national and international repute Business Organisation/ recognized national and international Professional Bodies, Societies or Organisations. **(2)** The Department/college shall nominate a faculty member to facilitate/guide and supervise students under internship. **(3)** The students shall report the progress of the internship to the internal guide in regular intervals and seek his/her advise. **(4)** The Internship shall be completed during the period specified in Scheme of Teaching and Examination. **(5)** After completion of Internship, students shall submit a report to the Head of the Department with the approval of both internal and external guides. **(6)** There will be 50 marks for CIE (Seminar: 20, Internship/ Organisation study report: 20) and 60 marks for Viva – Voce conducted during SEE. [To be read along with 24OMB 8.1 and 9.3] **(7)** The internal guide shall award the CIE marks for seminar and internship report after evaluation. He/she will also be the internal examiner for Viva – Voce conducted during SEE. **(8)** The external guide will be from the industry/ faculty from the other PG centres of VTU as examiner for the viva voce of Internship. The affiliated institutions can have the external guide from the industry/ faculty from other VTU affiliated institutions/ VTU PG Centres. Viva-Voce on internship shall be conducted at the college and the date of Viva-Voce shall be fixed in consultation with the external Guide. The Examiners shall jointly award the Viva - Voce marks. Remuneration as per existing rules and as amended from time to time shall be paid to the examiners by the concerned institute. **(9) (i)** In case the external Guide is not available or expresses his inability to conduct viva voce, the Chief Superintendent shall be permitted to make alternate arrangement. The examiner, in the order of preference, shall be an industry person or a faculty of another institution chosen from the list of University examiners. The same shall be intimated to the concerned BOE Chairperson. **(ii)** In case the external Guide accepts to conduct viva-voce examination from his/her workplace, it shall be arranged via Video/web conferencing/Webinar. The external Examiner shall send the signed marks list, soon after the examination, via email/any electronic media. Remuneration as per existing rules and as amended from time to time shall be paid to the examiners by the concerned institute. **(10)** The students are permitted to carry out the internship anywhere in India or abroad. The University will not provide any kind of Financial Assistance to any student for internship. ■
24OMB4.2	**Failing to undergo Internship:** Internship is one of the heads of passing. Completion of Internship is mandatory. If any student fails to undergo/complete the Internship, he/she shall be considered as fail in that Course and the prescribed credits shall not be awarded in that Course. The student, however, can submit the project dissertation and appear for viva voce. The student shall be eligible for the internship credits only after satisfying the conditions prescribed for the same during the subsequent academic year. The reappearance shall be considered as an attempt.■
24OMB5.0	**Project**

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24OMB5.1	**Project work and Dissertation:** Each candidate shall carry out the mandatory project work independently as per Scheme of Teaching and Examinations under the guidance of one of the faculty members of the Department in the Institution of study. If the project is of inter-disciplinary nature, a co-guide shall be taken from the other concerned department.
24OMB5.1 (continued)	The topic and title of the dissertation shall be chosen by the candidate in consultation with the guide and co-guide, if any, during the III semester itself. The subject and topic of the dissertation shall be from the major field of studies of the candidate. Modification of only the title but not the field of work may be permitted at the time of final submission of dissertation report during IV semester. If dissertation has to be carried out in any industry/R&D labs/business Organisations, outside the campus, permission shall be taken from the Principal to that effect. The Principal shall submit a list showing the name of the student, University Seat Number, title of the project, name/s of the guide/co-guide at the time of submission of project report to the University.■
24OMB5.2	Project is one of the heads of passing. The candidate shall submit a soft copy (CD) of the dissertation work to the University. The CD should contain the entire Dissertation in monolithic form as a PDF file (not separate chapters). The Guide, after checking the report for completeness shall upload the Dissertation along with name, University Seat Number, address, mobile number of the candidate, etc., as prescribed in form available on online Dissertation evaluation portal. ■
24OMB5.3	**Plagiarism Check** Once the Guide uploads the dissertation, the same shall be linked for plagiarism check. The allowable plagiarism index is less than or equal to 25%. If the check indicates a plagiarism index greater than 25%: **(i)**for the first time, the candidate has to resubmit the dissertation, to the Registrar (Evaluation), Regional Center/Head Office, VTU along with the penal fees of **(ii)**Rs. 2000/- (RupeesTwo thousand only). **(iii)**for the second time, the candidate has to resubmit the dissertation along with the penal fees of Rs. 4000/- (Rupees four thousand only). **(iv)**If the dissertation is rejected again during second resubmission with reference to plagiarism index, the candidate shall redo the project and submit after a semester's time subject to provisions of 24OMB1.4.■
24OMB5.4	The dissertation shall be sent through email for evaluation to two examiners - one internal examiner (guide/co-guide) and one external examiner (first) appointed by the University. The evaluation of the dissertation shall be made independently by each examiner.■
24OMB5.5	Examiners shall evaluate the dissertation normally within a period of not more than two weeks from the date of receipt of dissertation through email.■
24OMB5.6	The examiners shall independently submit the marks through the specified link.■
24OMB5.7	Average of the marks awarded by the two Examiners shall be the final evaluation marks for the Dissertation.■

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24OMB5.8	**(a)** Viva-voce examination of the candidate shall be conducted as per 20OMB5.10, if the dissertation work and the reports are accepted by the external examiner (first). **(b)** If the external examiner (first) finds that the dissertation work and the report are not up to the expected standard and the minimum passing marks cannot be awarded, the dissertation shall not be accepted for SEE. The external examiner (first) can recommend for modifications/suggestions of dissertation or totally reject the dissertation. The examiner shall offer suggestions for improvement of the dissertation for resubmission or list the reasons for rejection of the dissertation. **(c)** The resubmitted Dissertation incorporating the modifications/suggestions [as per 20OMB5.8 (b)] of the external examiner (first) and satisfying the provision 20OMB5.3 shall be sent again to the external examiner (first) for evaluation. If the dissertation and their port
24OMB5.8 (continued)	are accepted by the external examiner (first), Viva-voce examination of the candidate shall be conducted as per 20OMB5.10. **(d)** In case of rejection of Dissertation by the external examiner (first), the same will be sent to a Second Examiner (external) approved by the University. The decision of the Second Examiner (external) is final. If the dissertation and the report are accepted by the Second Examiner (external), Viva-voce examination of the candidate shall be conducted as per 20OMB5.10. If the Second Examiner (external) rejects the dissertation and the report, the candidate shall have to carry out the dissertation work once again and submit the dissertation subject to provisions of 20OMB1.4. In such cases of rejection, the candidate shall redo the entire procedure starting from the submission of Dissertation in soft copy. **(e)** In case of rejection of Dissertation, with reasons, by the external examiner (first) [as per20OMB5.8 (b)], the same will be sent to a Second Examiner (external) [not necessarily the same examiner considered under 20OMB5.8 (d)] approved by the University. Thedecision of the Second Examiner (external) is final. If the dissertation and the report are accepted by the Second Examiner (external), Viva-voce examination of the candidate shall be conducted as per 20OMB5.10. If the Second Examiner (external) rejects the dissertation and the report, the candidate shall have to carry out the dissertation work once again and submit the dissertation subject to provisions of 20OMB1.4. In such cases of rejection, the candidate shall redo the entire procedure starting from the submission of Dissertation in soft copy.■
24OMB5.9	The candidate, whose Dissertation is rejected, can rework on the same topic or choose another topic of dissertation under the same Guide or new Guide if necessary. In such an event, the report shall be submitted within four years from the date of admission to the Programme. ■
24OMB5.10	Viva-voce examination of the candidate shall be conducted by the external examiner and internal examiner/ guide. Internal examiner as per the direction of the University shall have to arrive at a mutually convenient date for the conduct of viva-voce examination of the concerned candidate with an intimation to the Registrar (Evaluation). In case one of the examiners expresses his/her inability to attend the viva-voce, the Registrar (Evaluation) shall appoint a substitute examiner in his/her place. The university shall ensure that the viva-voce is conducted before the commencement of the fourth semester SEE ■
24OMB5.11	The relative weights for the evaluation of dissertation and the performance at the viva voce shall be as per the scheme of teaching & examination. ■
24OMB5.12	The marks awarded by both the Examiners at the viva voce Examination shall be sent jointly to the University immediately after the examination.■
24OMB5.13	Examination fee as fixed from time to time by the University for evaluation of dissertation report and conduct of viva voce shall be remitted through the Head of the Institution as per the instructions of Registrar (Evaluation) from time to time. ■
24OMB5.14	The candidates who fail to submit the dissertation work within the stipulated time have to submit the same at the time of next ensuing examination. ■

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24OMB6.0 **Computation of SGPA and CGPA**

24OMB6.1

(i) The University adopts an absolute grading system wherein the marks are converted to grades, and every semester's results will be declared with semester grade point average (SGPA) and Cumulative Grade Point Average (CGPA). The CGPA will be calculated for every semester, except for the first semester.

(ii) The grading system with the letter grades and the assigned range of marks under the absolute grading system are as given below:

Letter Grade and corresponding Grade Points on a typical 10 – Point scale

Letter Grade	O	A+	A	B+	B	C	F
	Outstanding	Excellent	Very Good	Good	Average	Pass	Fail
Grade Point	**10**	**9**	**8**	**7**	**6**	**5**	**0**
% of Marks secured	90-100	80-89	70-79	60-69	55-59	50-54	0-49

(iii)Minimum marks to score for CIE is 50% of the maximum marks of CIE, and minimum passing marks for SEE is 40% of the maximum marks of SEE. In aggregate the students have to secure 50% total marks of the course (CIE+SEE marks).

(iv) A student obtaining Grade F in a Course shall be considered fail and is required to reappear in subsequent SEE. Whatever the letter grade secured by the student during his /her reappearance shall be retained. However, the number of attempts taken to clear a Course shall be indicated in the grade cards/ transcripts. ■

24OMB6.3 **Grade Card:** Based on the secured letter grades, grade points, SGPA and CGPA, a grade card for each semester and a consolidated grade card indicating the performance in all semesters shall be issued. ■

24OMB7.0 **Conversions of Grades into Percentage and Class Equivalence**

24OMB7.1 **Conversions of Grades into Percentage and Class Equivalence**

Conversions of CGPA into Percentage of marks and Class Equivalence

There is no formula for the conversion of CGPA into the percentage of marks. However, the following formula for conversion of the CGPA on a 10-point scale into the percentage of marks (M) for employment / higher studies, etc may be used;

Percentage of marks secured, M = CGPA Earned x 10

Illustration for a CGPA of 8.20;

Percentage of marks secured M = 8.20× 10

= 82%

24OMB7.2 **Class Equivalence:**

After the conversion of final CGPA into percentage of marks (P), a graduating student is reckoned to have passed in

(i) First Class with Distinction (FCD) if $P \geq 70\%$

(ii) First Class (FC) if $P \geq 60\%$ but $<70\%$ and

(iii) Second Class (SC) if $P < 60\%$. ■

24OMB8.0 **Continuous Internal Evaluation and Semester End Evaluation**

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24OMB8.1	**Continuous Internal Evaluation** For a pass in all the courses, ~~the student shall secure a minimum of 40% of the maximum marks prescribed in the Semester End Examination and~~ 50% of maximum marks in CIE must score to get eligible to appear for the SEE of the particular course. ~~and 50 % in the aggregate of CIE and SEE marks. The Minimum Passing Grade in a course is C.~~
24OMB8.2	CIE Marks shall be based on **(a)**~~Tests (for 25Marks) and~~ ~~**(b)**Assignments, Quiz, Simulation, Experimentation, Mini project, oral examination, field work etc., (for 15 Marks) conducted in respective courses.■~~ **(a)**Tests (for 25Marks) and **(b)**Assignments, Quiz, Simulation, Experimentation, Mini project, oral examination, field work etc., (for 25 Marks) conducted in respective courses.■
24OMB8.3	The CIE marks in a theory course, for 25 marks, shall be based on the average of two tests covering the entire syllabus. An additional test may be conducted for the deserving students to provide an opportunity to improve their CIE Marks before the end of the semester. The decision to conduct an additional test may be taken by the concerned subject teacher and the HoD depending on the merit of the case/s. The CIE marks shall be the average of the marks scored in two tests.■
24OMB8.4	The candidates shall write the Tests in Blue Book/s. The Blue book/s and other documents relating to award of CIE marks under 24OMB8.2 (b) shall be preserved by the Principal / Head of the Department for at least six months from the date of announcement of University results and made available for verification at the directions of the Registrar (Evaluation).■
24OMB8.5	Every page of the CIE marks list shall bear the signatures of the concerned Teacher, Head of the Department and the Principal.■
24OMB8.6	The CIE marks list shall be displayed on the Notice Board and corrections, if any, shall be incorporated before submitting to the University.■
24OMB8.7	The CIE marks shall be sent to the university by the Principals well in advance before the commencement of Semester End Examinations. No corrections of the CIE marks shall be entertained after the submission of marks list to the University.■
24OMB8.8	Candidates obtaining less than 50% of the CIE marks in any course (Theory/Internship/Project) shall not be eligible to appear for the SEE that course/s. In such cases, the Head of the Department shall arrange for the improvement of CIE marks in the course when offered in the subsequent semester subject to the provision of ~~20OMB1.4~~.■
24OMB8.9	**Semester End Evaluation:** There shall be a University examination at the end of each semester. Setting Theory Question Papers and Evaluation: Question papers in theory courses shall be set by the Examiners appointed by the University. ■
24OMB8.10	~~There shall be double valuation of theory papers. The theory Answer booklets shall be valued independently by two examiners appointed by the University~~. ■
24OMB8.11	~~If the difference between the marks awarded by the two Examiners is not more than 15 per cent of the maximum marks, the marks awarded to the candidate shall be the average of two evaluations.■~~
24OMB8.12	~~If the difference between the marks awarded by the two Examiners is more than 15 per cent of the maximum marks, the answer booklet shall be evaluated by a third Examiner appointed by the University. The average of the marks of nearest two valuations shall be considered as the marks secured by the candidate. In case, if one of the three marks falls exactly midway between the other two, then the highest two marks shall be taken for averaging.■~~
24OMB9.0	**Eligibility for Passing and Award of Degree**

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24OMB9.1	**(1)** A student who obtains any grade S to E shall be considered as pass in any course and if a student secures F grade in any of the head of passing, he/she has to reappear in that head for the SEE**.** **(2)** A student shall be declared successful at the end of the Program for the award of Degree only on obtaining CGPA ≥ 5.00, with none of the Courses remaining with F Grade. **(3)** In case, the CGPA falls below 5.00, the student shall be permitted to appear again for SEE for required number of courses and attempts, subject to the provision of ~~20OMB1.4,~~ to make up CGPA ≥ 5.0. The student should reject the SEE results of the previous attempt and obtain written permission from The Registrar (Evaluation) to reappear in the subsequent SEE.■
24OMB9.2	For a pass in a theory course, the student shall secure minimum of 40 % of the maximum marks prescribed in the Semester End Examination and 50 % of marks in CIE and 50 % in the aggregate of CIE and SEE marks. The Minimum Passing Grade in a course is E.■
24OMB9.3	For a pass in Internship/ Project/Dissertation/Viva-voce examination, a student shall secure a minimum of 50 % of the maximum marks prescribed for the SEE in Internship/Project/ Dissertation /Viva-voce. ~~The Minimum Passing Grade in a course is E~~.■
24OMB9.4	IV semester students having backlog courses are permitted to upload the dissertation report and to appear for SEE. The IV semester grade card shall be released only when the student completes all the backlog courses and become eligible for the award of degree. ■[To be read along with ~~20OMB11.2].~~
24OMB9.5	A candidate may at his/her desire reject his/her latest semester, except the IV semester, results of University examination in respect to all courses of that semester. Rejection shall be permitted only once during the entire Programme. The CIE marks of the rejected semester shall remain the same. ~~Rejection of results of the University examination including CIE marks is not permitted.■~~
24OMB9.6	If the rejection of the University examination results of the semester happens to be of an odd semester, the candidate can take admission to the immediate next even semester. However, if the rejection of the University result is of even semester, the candidate cannot take admission to the next odd semester.■
24OMB9.7	~~Application for rejection shall be submitted to the Registrar (Evaluation) through the Principal of the college, within thirty days from the date of announcement of results.■~~
24OMB9.8	A candidate with a history of rejection of results of a semester shall be eligible for the award of class and distinction, but shall not be eligible for the award of rank.■
24OMB9.9	**Eligibility for Award of Degree:** A student shall be declared to have completed the degree of MBA, provided the student has undergone the stipulated course work as per the regulations and has earned the prescribed Credits, as per the Scheme of Teaching and Examination, of the programme.■
24OMB10.0	**Attendance Requirement**
24OMB10.1	**Registration and Enrolment:** **(i)**Except for the first semester, registration for a semester will be done during a specified week before the semester end examination of the previous semester. **(ii)**The registration sheet shall have the Candidate details, course name and code, number of credits and category (core/elective/audit) for each course of that semester. (iii) The Faculty Adviser, assigned by the Head of the Department, will counsel the students in planning their courses of study and provide guidance, motivation, emotional support, and enable the mentees to reach the desired professional and career goals.■
24OMB10.2	Courses of each semester shall be treated as a separate unit for calculation of the attendance. ■

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24OMB 10.3	The candidate has to put in a minimum attendance of 85 % in each course with a provision to condone 10 % of the attendance by the Vice-Chancellor on the specific recommendation of the Principal of the college where the candidate is studying, based on medical grounds, participation in NSS/NCC/Red Cross /Republic Day and Independence Day parades/University/ State/ National/ International level sports and cultural activities, seminars, workshops, paper presentation etc., of significant value. The necessary documents in support are to be submitted along with recommendations to condone the shortage. ■
24OMB10.4	In case of late admission, approved by competent authority (Karnataka Examination Authority/VTU), to I semester of the programme the attendance shall be reckoned from the date of admission to the programme.■
24OMB10.5	~~A candidate, who does not satisfy the attendance requirement (in one or more Courses) as mentioned in 24OMB10.3 shall not be eligible to appear for the SEE of that semester and shall not be permitted to take admission to next higher semester. The candidate shall be required to repeat that semester during the subsequent year.~~ ■
24OMB10.6	Principals of the concerned colleges shall notify regularly, the list of candidates who fall short of attendance. ■
24OMB10.7	The list of the candidates falling short of attendance shall be sent to the University at least one week prior to the commencement of the examination. ■
24OMB11.0	**Promotion and Eligibility (Vertical Progression)**
24OMB11.1	**Promotion:** There shall be no restriction for promotion from an odd semester to the next even semester, provided the student has fulfilled the attendance requirement. ■
24OMB11.2	**(a)** ~~Candidates, with not more than four backlog courses of first year shall be eligible for taking admission to the second year (III semester).~~ Note: not more than 16 Credits **(b)** Each credit course shall be treated as a head of passing.■
24OMB11.3	The Mandatory non – credit courses, if any, shall not be considered for the Eligibility criterion prescribed for promotion, award of Class, calculation of SGPA and CGPA. However, a pass in the above courses is mandatory before the completion of Degree.■
24OMB12.0	**Temporary Discontinuation/Break in the Program**
24OMB12.1	**(a)** If a candidate, for any reason, temporarily discontinues the Programme or take a break from programme during any semester, he/she may be permitted to continue in the programme by registering to the same semester of the prevailing scheme. The
24OMB12.1 (continued)	Candidate shall complete all the remaining course work subject to the ~~provision 20OMB1.4~~. Also the Candidates may have to complete additional course/s, if any, as per the decision of concerned Board of Studies and approval of Dean, Faculty of Engineering, on establishing equivalence between two schemes. A Grade card shall be issued to that effect. Additional course/s shall not be considered for the eligibility criterion prescribed for promotion. However, based on the individual cases, it is considered to decide the SGPA and CGPA to admit the student for the award of degree. Such candidate shall not be eligible for the award of rank. **(b)** Candidates who take admission to any semester of the existing scheme from another scheme, as a repeater/fresher because of various reasons have to complete additional course/s, if any, as per the decision of concerned Board of Studies and approval of Dean Faculty of Engineering, on establishing equivalence between two schemes. A Grade card shall be issued to that effect. Additional course/s shall not be considered for the eligibility criterion prescribed for promotion. However, based on the individual cases, it is considered to decide the SGPA and CGPA to admit the student for the award of degree. Such candidate shall not be eligible for the award of rank.■

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24OMB13.0	**Award of Prizes, Medals and Ranks**
24OMB13.1	For the award of Prizes and Medals, the conditions stipulated by the Donor shall be considered subject to the provisions of the statutes framed by the University for such awards. ■
24OMB13.2	**(1)** For award of rank in a Specialization of MBA, the CGPA secured by the student on completion of the programme is considered. **(2)** A student shall be eligible for a rank at the time of award of MBA, provided the student **(a)**Is not a repeater in any semester **(b)**Has not rejected the results of any semester. **(c)**Has passed I to IV semester in all the courses in first attempt only **(3)** The total number of ranks awarded shall be 10 % of total number of students appeared in IV semester of the programme subject to a maximum of 10 ranks. **Illustration:** **(a)**If 150 students appeared for the IV semester, the number of ranks to be declared will be 10. **(b)**If 84 students appeared for the IV semester, the number of ranks to be declared will be 08. **(c)**In case of fractional number of ranks, it is rounded to higher integer only when the first decimal place value is greater than or equal to 5.■
24OMB13.3	Ranks are awarded based on the merit of the students as determined by CGPA. If two or more students get the same CGPA, the tie shall be resolved by considering the number of times a student has obtained higher SGPA. If it is not resolved even at this stage, the number of times a student has obtained higher grades like ~~**S**~~**, O**, A, B etc., shall be taken into account to decide the order of the rank.■
24OMB14.0	**Applicability and Power to Modify**
24OMB14.1	The regulations governing the Degree of MBA of Visvesvaraya Technological University shall be binding on all concerned.■
24OMB14.2	i) Not withstanding anything contained in the foregoing, the University shall have the power to issue directions/ orders to address any difficulty. ii) Nothing in the foregoing may be construed as limiting the power of the University to amend, modify or repeal any or all of the above. ■

DRAFT REGULATIONS

Visvesvaraya Technological University

(State University Government of Karnataka Established as per VTU Act 1994)
"Jnana Sangama", Belagavi - 590 018, Karnataka State

Dr. A S. Deshpande B.E., M.Tech., Ph.D.
REGISTRAR

Phone : (0831) 2498100
Fax : (0831) 2405467

Ref: VTU/BGM/OS-Aca/Cirs/2020-21/ 12

Date : 19 APR 2021

NOTIFICATION

Sub: Regulations Governing the Degree of Master of Business Administration effective from the academic year 2020-21– reg...

Ref: 1. Joint Board of Studies approval 23-07-2020
2. Executive Council Resolution. No. 2.2.2. dt: 30-07-2020

Pursuant to the aforesaid Executive Council Resolution, the **"Regulations Governing the Degree of Master of Business Administration effective from the academic year 2020-21** are hereby notified.

These Regulations are uniformly applicable to Affiliated, Autonomous and Constituent Colleges under VTU.

However, the evaluation pattern of Autonomous Colleges will be as per VTU guidelines issued from time to time.

You are hereby directed to bring the same to the notice of all the concerned and to follow them scrupulously.

BY ORDER

Encl: as above

REGISTRAR

To,
The of Principals of All Engineering (Affiliated/ Autonomous/ Constituent) Colleges under the ambit of VTU, Belagavi

Copy to:
1. Hon'ble Vice-Chancellor through the Secretary to VC, VTU, Belagavi for kind information
2. The Registrar (Evaluation), VTU, Belagavi
3. The Regional Directors (I/C) of all the Regional Offices of VTU for circulation
4. The Director, Computer Network Centre, VTU, Belagavi- to upload on VTU website
5. PS to Registrar, VTU, Belagavi
6. All the concerned Special Officers and Case-workers of Academic Section, VTU, Belagavi

Visvesvaraya Technological University, Belagavi

Jnana Sangama, Belagavi – 590 018, Karnataka

Phone: 0831 -2498100/2405468 Fax; 2405467

E – Mail:registrar@vtu.ac.in, Web: www.vtu.ac.in

REGULATIONS GOVERNING
THE DEGREE OF MASTER OF BUSINESS ADMINISTRATION (MBA)

Under Outcome Based Education (OBE)

AND

Choice Based Credit System (CBCS) Scheme

Effective from academic year 2020 -21

30.7.2020.

REGISTRAR
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BELAGAVI - 590 018.

2020

Visvesvaraya Technological University, Belagavi
Regulations Governing the Degree of MBA/MBA - IM
Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS) Scheme
Effective from academic year 2020 -21
(Approved vide Executive Council Resolution Number. 2.2.2. dated 30-07-2020)

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Definitions of Keywords

The following are the definitions/descriptions that have been followed for the different terms used in the Regulations of M.Tech Programmes:

(1) **Programme:** Is an educational programme in Business Administration leading to award of Degree. It involves events/activities, comprising of lectures/ tutorials/ laboratory work/ field work, outreach activities/ project work/ vocational training/ viva/ seminars/ internship/ assignments/ presentations/ self-study/ quiz etc., or a combination of some of these

(2) **Branch:** Means Specialization or discipline of MBA

(3) **Semester:**Refers to one of the two sessions of an academic year (vide: serial number 4), each session being of sixteen weeks duration (with working days greater than or equal to ninety).The odd semester may be scheduled from August and even semester from February of the year.

(4) **Academic Year:** Refers to the sessions of two consecutive semesters (odd followed by an even) including periods of vacation.

(5) **Course:** Refers to usually referred to as 'papers' and is a component of a programme. All Courses need not carry the same weight. The Courses should define learning objectives and learning outcomes. A Course may be designed to comprise lectures/ tutorials/ laboratory work/ field work/ outreach activities/project work/ vocational training/ viva/ seminars/ term papers/assignments/ presentations/ self-study etc., or a combination of some of these.

(6) **Credit:** Refers to a unit by which the Course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of lecture or two hours of laboratory/practical Courses/ tutorials/ fieldwork per week etc.

(7) **Audit Courses:** Means Knowledge/ Skill enhancing Courses without the benefit of a grade or credit for a Course.

(8) **Choice Based Credit System (CBCS):**Refers to customizing the Course work, through Core, Elective and soft skill Courses, to provide necessary support for the students to achieve their goals.

(9) **Course Registration:** Refers to formal registration for the Courses of a semester (Credits) by every student under the supervision of a Faculty Advisor (also called Mentor, Counselor etc.,) in each Semester for the Institution to maintain proper record.

(10) **Course Evaluation:** Means Continuous Internal Evaluation (CIE) and Semester End Examinations (SEE) to constitute the major evaluations prescribed for each Course. CIEand SEE to carry 40 % and 60 % respectively, to enable each Course to be evaluated for 100 marks, irrespective of its Credits.

(11) **Continuous Internal Evaluation (CIE):** Refers to evaluation of students' achievement in the learning process. CIE shall be by the course instructor and includes tests, homework, problem solving, oral examination, group discussion, quiz, mini-project, outreach activities and seminar throughout the semester, with weightage for the different components being fixed at the University level.

(12) **Semester end examinations (SEE):**Refers to examination conducted at the University level covering the entire Course Syllabus. For this purpose, Syllabi to be modularized and SEE questions to be set from each module, with a choice confined to the concerned module only. SEE is also termed as university examination.

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(13) First Attempt: Refers to a student who has completed all formalities and has become eligible to attend the SEE and has attended at least one head of passing, such attempt shall be considered as first attempt.

(14) Credit Based System (CBS): Refers to quantification of Course work, after a student completes teaching – learning process, followed by passing in both CIE and SEE. Under CBS, the requirement for awarding degree is prescribed in terms of total number of credits to be earned by the students.

(15) Credit Representation: Refers to Credit Values for different academic activities considered, as per the Table.1. Credits for seminar, project phases, project viva–voce and internship shall be as specified in the Scheme of Teaching and Examination.

(16) Letter Grade: It is an index of the performance of students in a said Course. Grades are denoted by letters S, A, B, C, D, E and F.

Table 1: Credit Values

Theory/Lectures (L) (hours/week/Semester)	Tutorials (T) (hours/week/Semester)	Laboratory/Practical (P) (hours/week/Semester)	Credits (L:T:P)	Total Credits
4	0	0	4:0:0	4
3	0	0	3:0:0	3
2	2	0	2:1:0	3
2	0	2	2:0:1	3
2	2	2	2:1:1	4
0	0	6	0:0:3	3
NOTE: Activities like, practical training, study tour and participation in Guest lectures not to carry Credits.				

(17) Grading: Grade refers to qualitative measure of achievement of a student in each Course, based on the percentage of marks secured in (CIE plus SEE). Grading is done by Absolute Grading [Refer to 20OMB6.0]. The rubric attached to letter grades are as follows:
S – Outstanding, A – Excellent, B – Very Good, C – Good, D – Above Average, E – Average and F – Fail.

(18) Grade Point (GP): Refers to a numerical weightage allotted to each letter grade on a 10-point scale as under.

Letter Grade and corresponding Grade Points on a typical 10 – Point scale							
Letter Grade	S	A	B	C	D	E	F
Grade Point	10	09	08	07	06	04	00

(19) Passing Standards: Refers to passing a Course only when getting GP greater than or equal to 04 (as per serial number 18).

(20) Credit Point: Is the product of grade point (GP) and number of credits for a Course i.e.,

Credt points (CrP) = GP × Credits for the Course.

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(21) Semester Grade Point Average (SGPA):Refers to a measure of academic performance of student/s in a semester. It is the ratio of total credit points secured by a student in various Courses of a semester and the total Course credits taken during that semester. [Refer to20OMB6.0]

(22) Cumulative Grade Point Average (CGPA):Is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points earned by a student in various Courses in all semesters and the sum of the total credits of all Courses in all the semesters. It is expressed up to two decimal places. [Refer to 20OMB6.0]

(23) Grade Card:Refers to a certificate showing the grades earned by a student. A grade card shall be issued to all the registered students after every semester End Examination. The grade card will display the programme details (Course code, title, number of credits, grades secured) along with SGPA of that semester and CGPA earned till that semester.

(24) University: Visvesvaraya Technological University (VTU), Belagavi.

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20OMB1.0 Title, Duration and Credits of the Programme of Study

20OMB1.1 Title

The Programme shall be called Master of Business Administration (Subject of Specialization) abbreviated as MBA (Subject of Specialization).

20OMB1.2 Minimum Duration

The Programme shall be a full time programme extended over a period of two academic year duration divided into four semesters and each semester shall be of 16 weeks duration.

20OMB1.3 Maximum Duration for Programme Completion:

A candidate shall be allowed a maximum duration of 4 years from the first semester of admission to become eligible for the award of the Degree, failing which he/she may discontinue the program or register once again as a fresh candidate to I semester.

20OMB1.4 Prescribed Number of Credits for the Programme:

The number of credits to be completed for the award of degree shall be 100.

20OMB1.5 Definition of Credits:

01 hour Lecture (L) per week per semester =1 Credit
02 hour Tutorial (T) per week per semester =1 Credit
02 hour Practical/Laboratory/Drawing (P) per week per semester =1 Credit.

Note:

(i) Four credit Courses are designed for 50 hours Teaching – Learning process.
(ii) Three credit Courses are designed for 40 hours Teaching – Learning process.

20OMB1.6 The Calendar of events in respect of the Programme shall be notified by the University in advance.

20OMB2.0 Eligibility for Admission (As per the Government orders issued from time to time)

20OMB2.1

a) Admission to MBA Program shall be open to the candidates who have passed recognized Bachelor's Degree of minimum of 3 years duration or equivalent examination and obtained an aggregate minimum of 50 % marks taken together in all the subjects including languages in all the years of the Degree Examination and 45% of marks in case of SC, ST and Category-I of Karnataka candidates. (Reservation is applicable only for Karnataka Candidates).

b) A Faculty/ Employee working on Full Time basis in an Institution/ Organization and pursuing/ pursued any Full Time Course for the same duration as that of Regular Shift shall be considered as ineligible for the purpose of employment/ higher studies.

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20OMB2.2 **For admissions under PGCET qualification and Roaster system of Government of Karnataka:**

There shall be an Entrance Examination (PGCET) for admission to the MBA programme. A candidate seeking admission to MBA Programme offered in any of the Engineering Colleges affiliated to VTU shall appear for this Examination. For admission under Government quota, ranks obtained in PGCET entrance examination, conducted by Karnataka Examination Authority (KEA), shall be considered.

For admissions under Management Quota:

The candidates should have appeared for theEntrance Examination conducted by KEA (PGCET)/Karnataka Management Aptitude Test (KMAT) or appeared and qualified under any approved entrance examination conducted by the authority recognized by Government of Karnataka/VTU.

Further, there shall be an Admissions Committee for the MBA Program consisting of the Principal of the College as the Chairman, Head of the concerned Department and one senior staff member of the concerned Department. The Admissions Committee conducts the interview and selects the candidates for admission.

20OMB2.3 **(i)** The candidates from Universities other than the Universities of Karnataka shall have to obtain Eligibility Certificate from the VTU to seek admission to MBA program in any of the college affiliated to VTU.

(ii) The candidates from foreign countries shall have to obtain Eligibility Certificate from the VTU to seek admission to MBA program in any of the college affiliated to VTU. Further, they have to produce equivalence certificate from the Association of Indian Universities.

20OMB2.4 The intake under various categories (regular, SC/ST and category I) shall be as sanctioned by the AICTE, State Government and VTU, from time to time.

20OMB2.5 **Admission to vacant seats:**

Seats remaining vacant (unfilled), after the completion of PG admission process by Karnataka Examination Authority, shall be filled by the Institution by inviting applications through Press notification. The seats shall be filled by Candidates preferably who have PGCET score. In the absence of such Candidates, admission shall be based on merit in the entrance test conducted at the Institution level. An Admissions Committee, consisting of the Principal of the College, Head of the concerned Department and the subject experts, shall be in charge of admissions.

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20OMB3.0 Courses

20OMB3.1 The curriculum of the Programme shall be any combination of following type of courses:

(i) Professional Core Courses (PC) - relevant to the chosen specialization/ branch [May be split into Hard (no choice) and Soft (with choice), if required]. The core course is to be compulsorily studied by a student and is mandatory to complete the requirements of a programme in a said discipline of study.

(ii) Professional Electives Courses (PE) - relevant to the chosen specialization/ branch: these are the courses, which can be chosen from the pool of papers. It shall be supportive to the discipline/ providing extended scope/enabling an exposure to some other discipline / domain / nurturing student skills.

(iii) Open Electives Courses (OE) - from other technical and/ or emerging specialization areas.

(iv) Project Work, Seminar.

(v) Audit Courses (AC):

(a) The Audit course can be any credit course offered by the program to which the Candidate is admitted (other than the courses considered for completing the prescribed program credits).

Audit course/s are non-credit courses opted by students for self – enrichment. Though, the CIE and SEE are not required, the attendance to be compulsorily satisfied, for the audit course/s to find a place in the grade card without the mention of letter grade and credit.

(vi) Professional training/Internship Preferably at an industry/R and D organization/IT company/ Government organization/Business organization of significant repute for a specified period mentioned in Scheme of Teaching and Examination.

20OMB3.2 A candidate shall exercise his /her option in respect of the electives and register for the same before the beginning of the concerned semester. The candidate may be permitted to opt for change of elective subject within 10 days from the date of commencement of the semester as per the calendar of the University.

20OMB3.3 Students shall be allowed to choose the elective/s, depending on their career plans, and there shall not be any restriction to the minimum number of students to be registered for an elective course.

20OMB4.0 Internship

20OMB4.1 Internship:The student shall undergo Internship/Organization study as per the Scheme of Teaching and Examination.

(1) The internship shall be carried out in any industry/R&D Organization/Research Institute/Institute of national and international repute Business organization/ recognized national and international Professional Bodies, Societies or Organizations.

(2) The Department/college shall nominate a faculty to facilitate, guide and supervise students under internship.

(3) The students shall report the progress of the internship to the internal guide in regular intervals and seek his/her advise.

(4) The Internship shall be completed during the period specified in Scheme of Teaching and Examination.

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20OMB4.1 continued

(5) After completion of Internship, students shall submit a report to the Head of the Department with the approval of both internal and external guides.

(6) There will be 40 marks for CIE (Seminar: 20, Internship/ Organization study report: 20) and 60 marks for Viva – Voce conducted during SEE. [To be read along with 20OMB 8.1 and 9.3]

(7) The internal guide shall award the CIE marks for seminar and internship report after evaluation. He/she will also be the internal examiner for Viva – Voce conducted during SEE.

(8) The external guide from the industry shall be an examiner for the viva voce on Internship. Viva-Voce on internship shall be conducted at the college and the date of Viva-Voce shall be fixed in consultation with the external Guide. The Examiners shall jointly award the Viva - Voce marks.

(8) (i) In case the external Guide is not available or expresses his inability to conduct viva voce, the Chief Superintendent shall be permitted to make alternate arrangement. The examiner, in the order of preference, shall be an industry person or a faculty of another institution chosen from the list of University examiners. The same shall be intimated to the concerned BOE Chairperson.

(ii) In case the external Guide accepts to conduct viva-voce examination from his/her workplace, it shall be arranged via Video/web conferencing/Webinar. The external Examiner shall send the signed marks list, soon after the examination, via email/any electronic media.

(10) The students are permitted to carry out the internship anywhere in India or abroad. The University will not provide any kind of Financial Assistance to any student for internship

20OMB4.2 **Failing to undergo Internship:** Internship is one of the head of passing. Completion of Internship is mandatory. If any student fails to undergo/complete the Internship, he/she shall be considered as fail in that Course and the prescribed credits shall not be awarded in that Course. The student, however, can submit the project dissertation and appear for viva voce.

The student shall be eligible for the internship credits only after satisfying the conditions prescribed for the same during the subsequent academic year. The reappearance shall be considered as an attempt.

20OMB5.0 Project

20OMB5.1 **Project work and Dissertation:**

Each candidate shall carry out the project work independently as per Scheme of Teaching and Examinations under the guidance of one of the faculty members of the Department in the Institution of study. If the project is of inter-disciplinary nature, a co-guide shall be taken from the other concerned department.

20OMB5.1 (continued)

The topic and title of the dissertation shall be chosen by the candidate in consultation with the guide and co-guide, if any, during the III semester itself.

The subject and topic of the dissertation shall be from the major field of studies of the candidate. Modification of only the title but not the field of work may be permitted at the time of final submission of dissertation report during IV semester. If dissertation has to be carried out in any industry/R&D labs/business organizations, outside the campus, permission shall be taken from the Principal to that effect.

The Principal, shall submit a list showing the name of the student, University Seat Number, title of the project, name/s of the guide/co-guide at the time of submission of project report to the University.

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20OMB5.2 Project is one of the head of passing.

The candidate shall submit a soft copy (CD) of the dissertation work to the University. The CD should contain the entire Dissertation in monolithic form as a PDF file (not separate chapters).

The Guide, after checking the report for completeness shall upload the Dissertation along with name, University Seat Number, address, mobile number of the candidate, etc., as prescribed in form available on online Dissertation evaluation portal.

20OMB5.3 **Plagiarism Check**

Once the Guide uploads the dissertation, the same shall be linked for plagiarism check. The allowable plagiarism index is less than or equal to 25%.

If the check indicates a plagiarism index greater than 25%:

(i)for the first time, the candidate has to resubmit the dissertation, to the Registrar (Evaluation), Regional Center/Head Office, VTU along with the penal fees of

(ii) Rs. 2000/- (RupeesTwo thousand only).

(iii)for the second time, the candidate has to resubmit the dissertation along with the penal fees of Rs. 4000/- (Rupees four thousand only).

(iv) If the dissertation is rejected again during second resubmission with reference to plagiarism index, the candidate shall redo the project and submit after a semester's time subject to provisions of 20OMB1.3.

20OMB5.4 The dissertation shall be sent through email for evaluation to two examiners - one internal examiner (guide/co-guide) and one external examiner (first) appointed by the University. The evaluation of the dissertation shall be made independently by each examiner.

20OMB5.5 Examiners shall evaluate the dissertation normally within a period of not more than two weeks from the date of receipt of dissertation through email.

20OMB5.6 The examiners shall independently submit the marks through the specified link.

20OMB5.7 Average of the marks awarded by the two Examiners shall be the final evaluation marks for the Dissertation.

20OMB5.8 **(a)** Viva-voce examination of the candidate shall be conducted as per 20OMB5.10, if the dissertation work and the reports are accepted by the external examiner (first).

(b) If the external examiner (first) finds that the dissertation work and the report are not up to the expected standard and the minimum passing marks cannot be awarded, the dissertation shall not be accepted for SEE.

The external examiner (first) can recommend for modifications/suggestions of dissertation or totally reject the dissertation. The examiner shall offer suggestions for improvement of the dissertation for resubmission or list the reasons for rejection of the dissertation.

(c) The resubmitted Dissertation incorporating the modifications/suggestions [as per 20OMB5.8 (b)] of the external examiner (first) and satisfying the provision 20OMB5.3 shall be sent again to the external examiner (first) for evaluation. If the dissertation and the report.

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20OMB5.8 (continued) are accepted by the external examiner (first), Viva-voce examination of the candidate shall be conducted as per 20OMB5.10.

(d) In case of rejection of Dissertation by the external examiner (first), the same will be sent to a Second Examiner (external) approved by the University. The decision oftheSecond Examiner (external) is final. If the dissertation and the report are accepted by the Second Examiner (external), Viva-voce examination of the candidate shall be conducted as per 20OMB5.10. If the Second Examiner (external) rejects the dissertation and the report, the candidate shall have to carry out the dissertation work once again and submit the dissertation subject to provisions of 20OMB1.3. In such cases of rejection, the candidate shall redo the entire procedure starting from the submission of Dissertation in soft copy. **(e)** In case of rejection of Dissertation, with reasons, by the external examiner (first) [as per20OMB5.8 (b)], the same will be sent to a Second Examiner (external) [not necessarily the same examiner considered under 20OMB5.8 (d)] approved by the University. Thedecision of the Second Examiner (external) is final. If the dissertation and the report are accepted by the Second Examiner (external), Viva-voce examination of the candidate shall be conducted as per 20OMB5.10. If the Second Examiner (external) rejects the dissertation and the report, the candidate shall have to carry out the dissertation work once again and submit the dissertation subject to provisions of 20OMB1.3. In such cases of rejection, the candidate shall redo the entire procedure starting from the submission of Dissertation in soft copy.

20OMB5.9 The candidate, whose Dissertation is rejected, can rework on the same topic or choose another topic of dissertation under the same Guide or new Guide if necessary. In such an event, the report shall be submitted within four years from the date of admission to the Programme.

20OMB5.10 Viva-voce examination of the candidate shall be conducted by the external examiner and internal examiner/ guide.

Internal examiner as per the direction of the University shall have to arrive at a mutually convenient date for the conduct of viva-voce examination of the concerned candidate with an intimation to the Registrar (Evaluation). In case one of the examiners expresses his/her inability to attend the viva-voce, the Registrar (Evaluation) shall appoint a substitute examiner in his/her place.

20OMB5.11 The relative weights for the evaluation of dissertation and the performance at the viva voce shall be as per the scheme of teaching & examination.

20OMB5.12 The marks awarded by both the Examiners at the viva voce Examination shall be sent jointly to the University immediately after the examination.

20OMB5.13 Examination fee as fixed from time to time by the University for evaluation of dissertation report and conduct of viva voce shall be remitted through the Head of the Institution as per the instructions of Registrar (Evaluation) from time to time.

20OMB5.14 The candidates who fail to submit the dissertation work within the stipulated time have to submit the same at the time of next ensuing examination.

20OMB6.0 Computation of SGPA and CGPA

20OMB6.1 **(i)**The University adopts absolute grading system wherein the marks are converted to grades, and every semester results will be declared with semester grade point average (SGPA) and Cumulative Grade Point Average (CGPA). The CGPA will be calculated for every semester, except for the first semester

(ii) The grading system with the letter grades and the assigned range of marks under absolute grading system are as given below:

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Level	Outstanding	Excellent	Very Good	Good	Above Average	Average	Fail
Letter Grade	S	A	B	C	D	E	F
Grade Points	10	9	8	7	6	4	00
Percentage of Marks Scored in a Course	≥ 90	<90 ≥80	< 80 ≥70	< 70 ≥60	< 60 ≥ 55	< 55 ≥50	< 50
	(90 -100)	(80 - 89)	(70 - 79)	(60 - 69)	(55 - 59)	(50- 54)	(0 - 49)

(iii) A student obtaining Grade F in a Course shall be considered fail and is required to reappear in subsequent SEE. Whatever the letter grade secured by the student during his /her reappearance shall be retained. However the number of attempts taken to clear a Course shall be indicated in the grade cards/ transcripts.

20OMB6.2 Computation of SGPA and CGPA

The following expressions shall be used to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) respectively:

$$SGPA = \frac{\sum[CourseCredits \times GradePoints]foralltheCoursesinthatSemester}{\sum[CourseCredits]foralltheCoursesinthatSemester}$$

$$CGPA = \frac{\sum[CourseCredits \times GradePoints]\, forallCoursesexcluding\ thosewithFgradesuntilthatSemester}{\sum[CourseCredits]forallCoursesexcluding\ thosewithFgradesuntilthatsemester}$$

(a) SGPA and CGPA Calculations: An Illustrative Example for one academic year

Semester (Odd :I, Even: II)	Course Number	Credits	Grade	Grade Points	Credit Points	SGPA, CGPA
I	XX10	5:0:0 = 5	B	8	$5 \times 8 = 40$	$SGPA = \frac{117}{25} = \mathbf{4.68}$
I	XX10	3:2:0 = 5	Absent(F)	0	$5 \times 0 = 00$	
I	XX10	3:0:0 = 3	A	9	$3 \times 9 = 27$	
I	XX10	0:1:1 = 2	F	0	$2 \times 0 = 00$	
I	XX10	4:1:0 = 5	D	6	$5 \times 6 = 30$	
I	XX10	5:0:0 = 5	E	4	$5 \times 4 = 20$	
	Total	25 (18*)	Total		117	

(18*): Total credits of the semester excluding the credits of the courses under F grade. Considered for the calculation of CGPA of the two consecutive semesters under consideration.

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20OMB6.2
(continued)

(a) SGPA and CGPA Calculations: An Illustrative Example for one academic year

Semester (Odd :I, Even: II)	Course Number	Credits	Grade	Grade Points	Credit Points	SGPA, CGPA
II	XX107	3:1:1 = 5	C	7	5 × 7	$SGPA = \frac{157}{25} = \mathbf{6.28}$
II	XX108	4:0:0 = 4	B	8	4 × 8	
II	XX109	3:0:0 = 3	D	6	3 × 6	
II	XX110	4:1:0 = 5	E	4	5 × 4	$CGPA = \frac{(117+157)}{18+23} = 274/41 = \mathbf{6.68}$
II	XX111	2:1:1 = 4	A	9	4 × 9	
II	XX112	2:0:0 = 2	F	0	2 × 0	
II	XX113	0:2:0 = 2	B	8	2 × 8	
Total		25 (23*)	Total		157	

(23*): Total credits of the semester excluding the credits of the courses under F grade.
Considered for the calculation of CGPA of the two consecutive semesters under consideration.

If the Student secures letter grades as detailed below after reappearance to SEE, then the SGPA and CGPA shall be calculated as indicated below.

I	XX102	3:2:0 = 5	D	6	5 × 6 = 30	$SGPA\ (I\ Semester) = \frac{117+30+14}{25} = 161/25 = \mathbf{6.44}$
I	XX104	0:1:1 = 2	C	7	2 × 7 = 14	
II	XX112	2:0:0 = 2	D	6	2 × 6 = 12	$SGPA\ (II\ Semester) = (157+12)/25 = 169/25 = \mathbf{6.76}$

$CGPA\ at\ the\ end\ of\ the\ academic\ year\ after\ passing\ all\ the\ Courses\ of\ the\ two\ consecutive\ semesters\ under\ consideration = \frac{(6.44 \times 25 + 6.76 \times 25)}{50} = \mathbf{6.60}$

(b) CGPA Calculation of the Programme:An Illustrative Example

Semester	I	II	III	IV
Credits of the	24	24	28	24
SGPA	7.00	8.50	9.20	6.86

$$\boldsymbol{CGPA} = \frac{(24 \times 7.00 + 24 \times 8.50 + 28 \times 9.20 + 24 \times 6.86)}{100} = \mathbf{7.94}$$

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20OMB6.3 **Grade Card:** Based on the secured letter grades, grade points, SGPA and CGPA, a grade card for each semester and a consolidated grade card indicating the performance in all semesters shall be issued.

20OMB7.0 Conversions of Grades into Percentage and ClassEquivalence

20OMB7.1 **Conversions of Grades into Percentage**

Conversion formula for the conversion of CGPA into percentage is given below:

Percentage of marks secured, $P = [\text{CGPA Earned} - 0.75] \times 10$

Illustration for a CGPA of 8.20:

$$P = [\text{CGPA Earned } 8.2 - 0.75] \times 10 = 74.5\ \%$$

20OMB7.2 **Class Equivalence:**

After the conversion of final CGPA into percentage of marks (P), a graduating student is reckoned to have passed in

(i) First Class with Distinction (FCD) if $P \geq 70\%$

(ii) First Class (FC) if $P \geq 60\%$ but $<70\%$ and

(iii) Second Class (SC) if $P < 60\%$.

20OMB8.0 Continuous Internal Evaluation and Semester End Evaluation

20OMB8.1 Continuous Internal Evaluation

There shall be a maximum of 40 CIE Marks in each theory.

A candidate shall obtain not less than 50% of the maximum marks prescribed for the CIE of each Theory course/ Internship /Project/Dissertation. [To be read along with 20OMB8.8]

20OMB8.2 CIE Marks shall be based on

(a) Tests (for 25Marks) and

(b) Assignments, Quiz, Simulation, Experimentation, Mini project, oral examination, field work etc., (for 15 Marks)conducted in respective courses.

20OMB8.3 The CIE marks in a theory course, for 25 marks, shall be based on three tests covering the entire syllabus. An additional test may be conducted for the needy students to provide an opportunity to improve their CIE Marks before the end of the semester. The CIE marks shall be the average of the marks scored in three tests

20OMB8.4 The candidates shall write the Tests in Blue Book/s. The Blue book/s and other documents relating to award of CIE marks under 20OMB8.2 (b) shall be preserved by the Principal / Head of the Department for at least six months from the date of announcement of University results and made available for verification at the directions of the Registrar (Evaluation).

20OMB8.5 Every page of the CIE marks list shall bear the signatures of the concerned Teacher, Head of the Department and the Principal

20OMB8.6 The CIE marks list shall be displayed on the Notice Board and corrections, if any, shall be incorporated before submitting to the University.

20OMB8.7 The CIE marks shall be sent to the university by the Principals well in advance before the commencement of Semester End Examinations. No corrections of the CIE marks shall be entertained after the submission of marks list to the University.

20OMB8.8 Candidates obtaining less than 50% of the CIE marks in any course (Theory/Internship/Project) shall not be eligible to appear for the University examination in that course/s. In such cases, the Head of the Department shall arrange for the improvement of CIE marks in the course when offered in the subsequent semester subject to the provision of 20OMB1.3.

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20OMB8.9 Semester End Evaluation:
There shall be a University examination at the end of each semester.
Setting Theory Question Papers and Evaluation:Question papers in theory courses shall be set by the Examiners appointed by the University.

20OMB8.10 There shall be double valuation of theory papers. The theory Answer booklets shall be valued independently by two examiners appointed by the University.

20OMB8.11 If the difference between the marks awarded by the two Examiners is not more than 15 per cent of the maximum marks, the marks awarded to the candidate shall be the average of two evaluations.

20OMB8.12 If the difference between the marks awarded by the two Examiners is more than 15 per cent of the maximum marks, the answer booklet shall be evaluated by a third Examiner appointed by the University. The average of the marks of nearest two valuations shall be considered as the marks secured by the candidate. In case, if one of the three marks falls exactly midway between the other two, then the highest two marks shall be taken for averaging.

20OMB9.0 Eligibility for Passing and Award of Degree

20OMB9.1 **(1)** A student who obtains any grade S to E shall be considered as pass in any course and if a student secures F grade in any of the head of passing he/she has to reappear in that head for the SEE.
(2) A student shall be declared successful at the end of the Programme for the award of Degree only on obtaining CGPA $\geq$ 5.00, with none of the Coursesremaining with F Grade.
(3) In case, the CGPA fall below 5.00, the student shall be permitted to appear again for SEE for required number of courses and times, subjectto the provision of 20OMB1.3, to make up CGPA $\geq$ 5.0. The student should reject the SEE results of the previous attempt and obtain written permission from TheRegistrar (Evaluation) to reappear in the subsequent SEE.

20OMB9.2 For a pass in a theory course, the student shall secure minimum of 40 % of the maximum marks prescribed in the Semester End Examination and 50 % of marks in CIE and 50 % in the aggregate of CIE and SEE marks. The Minimum Passing Grade in a course is E.

20OMB9.3 For a pass in Internship/ Project/Dissertation/Viva-voce examination, a student shall secure a minimum of 50 % of the maximum marks prescribed for the SEE in Internship/Project/ Dissertation /Viva-voce. The Minimum Passing Grade in a course is E.

20OMB9.4 IV semester students having backlog courses are permitted to upload the dissertation report and to appear for SEE. The IV semester grade card shall be released only when the student completes all the backlog courses and become eligible for the award of degree. [To be read along with 20OMB11.2].

20OMB9.5 A candidate may at his/her desire reject his/her latest semester, except the IV semester, results of University examination in respect to all courses of that semester. Rejection shall be permitted only once during the entire Programme. The CIE marks of the rejected semester shall remain the same.
Rejection of results of the University examination including CIE marks is not permitted.

20OMB9.6 If the rejection of the University examination results of the semester happens to be of an odd semester, the candidate can take admission to the immediate next even semester. However, if the rejection of the University result is of even semester, the candidate cannot take admission to the next odd semester.

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20OMB9.7 Application for rejection shall be submitted to the Registrar (Evaluation) through the Principal of the college, within thirty days from the date of announcement of results.

20OMB9.8 A candidate, who opts for rejection of results of a semester shall be eligible for the award of class and distinction, but shall not be eligible for the award of rank.

20OMB9.9 **Eligibility for Award of Degree:**
A student shall be declared to have completed the degree of MBA, provided the student has undergone the stipulated course work as per the regulations and has earned the prescribed Credits, as per the Scheme of Teaching and Examination, of the programme.

20OMB10.0 Attendance Requirement

20OMB10.1 **Registration and Enrolment:**
(i) Except for the first semester, registration for a semester will be done during a specified week before the semester end examination of the previous semester.
(ii) The registration sheet shall have the Candidate details, course name and code, number of credits and category (core/elective/audit) for each course of that semester.
(iii) The Faculty Adviser, assigned by the Head of the Department, will counsel the students in planning their courses of study and provide guidance, motivation, emotional support, and enable the mentees to reach the desired professional andcareer goals.

20OMB10.2 Courses of each semester shall be treated as a separate unit for calculation of the attendance.

20OMB 10.3 The candidate has to put in a minimum attendance of 85 % in each course with a provision to condone 10 % of the attendance by the Vice-Chancellor on the specific recommendation of the Principal of the college where the candidate is studying,based on medical grounds, participation in NSS/NCC/Red Cross /Republic Day andIndependence Day parades/University/ State/ National/ International level sports and cultural activities, seminars, workshops, paper presentation etc., of significant value. The necessary documents in support are to be submitted along with recommendations to condone the shortage.

20OMB10.4 In case of late admission, approved by competent authority (Karnataka Examination Authority/VTU), to I semester of the programme the attendance shall be reckoned from the date of admission to the programme.

20OMB10.5 A candidate, who does not satisfy the attendance requirement (in one or more Courses) as mentioned in 20OMB10.3 shall not be eligible to appear for the SEE of that semester and shall not be permitted to take admission to next higher semester. The candidate shall be required to repeat that semester during the subsequent year.

20OMB10.6 Principals of the concerned colleges shall notify regularly, the list of candidates who fall short of attendance.

20OMB10.7 The list of the candidates falling short of attendance shall be sent to the University at least one week prior to the commencement of the examination.

20OMB11.0 Promotion and Eligibility(Vertical Progression)

20OMB11.1 **Promotion:**
There shall be no restriction for promotion from an odd semester to the next even semester, provided the student has fulfilled the attendance requirement.

20OMB11.2 **(a)** Candidates, with a maximum of two backlog courses of first year shall be eligible for taking admission to second year (III semester).
(b) Each credit course shall be treated as a head of passing.

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20OMB11.3 The Mandatory non -- credit courses, if any, shall not be considered for the Eligibility criterion prescribed for promotion, award of Class, calculation of SGPA and CGPA. However, a pass in the above courses is mandatory before the completion of Degree.

20OMB12.0 Temporary Discontinuation/Break in the Program

20OMB12.1 **(a)** If a candidate, for any reason, temporarily discontinues the Programme or take a break from programme during any semester, he/she may be permitted to continue in the programme by registering to the same semester of the prevailing scheme. The candidate shall complete all the remaining course work subject to the provision 20OMB1.3. Also the Candidates may have to complete additional course/s, if any, as per the decision of concerned Board of Studies and approval of Dean, Faculty of Engineering, on establishing equivalence between two schemes. A Grade card shall be issued to that effect. Additional course/s shall not be considered for the eligibility criterion prescribed for promotion. However, based on the individual cases, it is considered to decide the SGPA and CGPA to admit the student for the award of degree.Such candidate shall not be eligible for the award of rank.

(b) Candidates who takes admission to any semester of the existing scheme from another scheme, as a repeater/fresher because of various reasons have to complete additional course/s, if any, as per the decision of concerned Board of Studies and approval of Dean, Faculty of Engineering, on establishing equivalence between two schemes. A Grade card shall be issued to that effect. Additional course/s shall not be considered for the eligibility criterion prescribed for promotion. However, based on the individual cases, it is considered to decide the SGPA and CGPA to admit the student for the award of degree.

Such candidate shall not be eligible for the award of rank.

20OMB13.0 Award of Prizes, Medals and Ranks

20OMB13.1 For the award of Prizes and Medals, the conditions stipulated by the Donor shall be considered subject to the provisions of the statutes framed by the University for such awards.

20OMB13.2 **(1)** For award of rank in a Specialization of MBA, the CGPA secured by the student on completion of the programme is considered.

(2) A student shall be eligible for a rank at the time of award of MBA, provided the student

(a) Is not a repeater in any semester

(b) Has not rejected the results of any semester.

(c) Has passed I to IV semester in all the courses in first attempt only

(3) The total number of ranks awarded shall be 10 % of total number of students appeared in IV semester of the programme subject to a maximum of 10 ranks.

Illustration:

(a) If 150 students appeared for the IV semester, the number of ranks to be declared will be 10.

(b) If 84 students appeared for the IV semester, the number of ranks to be declared will be 08.

(c) In case of fractional number of ranks, it is rounded to higher integer only when the first decimal place value is greater than or equal to 5.

20OMB13.3 Ranks are awarded based on the merit of the students as determined by CGPA. If two or more students get the same CGPA, the tie shall be resolved by considering the number of times a student has obtained higher SGPA. If it is not resolved even at this stage, the number of times a student has obtained higher grades like S, A, B etc., shall be taken into account to decide the order of the rank.

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20OMB14.0 Applicability and Power to Modify

20OMB14.1 The regulations governing the Degree of MBA of Visvesvaraya Technological University shall be binding on all concerned.

20OMB14.2 i) Notwithstanding anything contained in the foregoing, the University shall have the power to issue directions/ orders to address any difficulty.
ii) Nothing in the foregoing may be construed as limiting the power of the University to amend, modify or repeal any or all of the above.

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ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

"ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)

"Jnana Sangama" Belagavi-590018, Karnataka, India

Prof. B.E. Rangaswamy, Ph.D.
Registrar

Phone No: (0831) – 2405468
Fax No. : (0831) – 2405467

Ref. No.: VTU/BOS/A12/2024-25/ 4940 **Date:** 20 DEC 2024

Circular

Sub: MBA, MCA, M.Tech. and M.Plan Regulations 2024

Ref: 1) JBOS Meeting Recommendations dated 15-10-2024
2) 179th E.C. Meeting Resolution No. 2.2.1 dated 18-10-2024

With reference to the above, final MBA, MCA, M.Tech. and M.Plan 2024 Regulations are are uploaded for your information and reference in the university website link as follows:

Sl. No.	Regulations	University Website Link
1	MBA Regulations 2024	https://vtu.ac.in/en/mba-3/
2	MCA Regulations 2024	https://vtu.ac.in/en/mca-3/
3	M.Tech. Regulation 2024	https://vtu.ac.in/en/m-tech/
4	M. Plan Regulations 2024	https://vtu.ac.in/en/m-plan/

You are hereby requested to bring the contents of this Circular to the notice of all the concerned faculty members/students of your college and inform them to follow the same.

19/12/24

Registrar

To

1) The Principals of all Engineering Colleges (Constituent, Non Autonomous and Autonomous) under VTU.
2) The Chairpersons/Programme Coordinators of all VTU PG Centres at Muddenhalli, Belagavi, Mysuru and Kalaburagi Regions.

Copy to:

1) The Registrar (Eval.), VTU, Belagavi.
2) The Regional Director (I/c), VTU Regional Offices at Bengaluru, Belagavi, Kalaburagi & Mysuru for information and circulation.
3) The Secretary to VC, VTU, Belagavi.
4) PS to Registrar, VTU, Belagavi.
5) Director, NAAC, VTU, Belagavi.

Visvesvaraya Technological University, Belagavi

Jnana Sangama, Belagavi – 590 018, Karnataka
Phone: 0831 -2498100/2405468 Fax: 0831-2405467
E – Mail:registrar@vtu.ac.in, Web: www.vtu.ac.in

REGISTRAR
Visvesvaraya Technological University,
BELAGAVI - 590 018.

19/12/24

REGULATIONS GOVERNING
THE DEGREE OF MASTER OF COMPUTER APPLICATIONS (MCA)

Under Outcome Based Education (OBE) &
Choice-Based Credit System (CBCS) Scheme
Effective from the academic year 2024-25

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Preamble:

The Master of Computer Applications (MCA) program is a specialized postgraduate degree designed to provide students with comprehensive knowledge and skills in computer science, software development, and emerging technologies. With the rapid evolution of the digital landscape, this program aims to equip graduates with the technical expertise, problem-solving abilities, and innovation-driven mindset required to address complex challenges in the field of computing.

The regulations governing the MCA program are formulated to ensure that academic excellence is achieved while fostering ethical values, critical thinking, and lifelong learning. These guidelines provide a framework for curriculum structure, program delivery, assessment, and quality assurance to align with global standards and industry demands.

NOW, THEREFORE, the Visvesvaraya Technological University hereby establishes the following regulations for the MCA program, effective from 2024-25.

Definitions of Keywords

The following are the definitions/descriptions that have been followed for the different terms used in the Regulations ofthe MCA Program:

(1) Program: An educational program in a particular stream/ branch ofspecialization leading to the award of a degree. It involves events/activities, comprising of lectures/ tutorials/ laboratory work/ field work, outreach activities/ project work/ vocational training/ viva/ seminar Internships/ assignments/ presentations/ self-study etc., or a combination of some of these.

(2) Semester: Refers to one of the two sessions of an academic year (vide: serial number 3), each session being of fifteen-sixteen weeks in duration (with working days greater than or equal to ninety).The odd semester may be scheduled from August and even semester from February of the year.

(3) Academic Year: Refers to the sessions of two consecutive semesters (odd followed by an even) including periods of vacation.

(4) Course: Refers to usually referred to as 'papers' and is a component of a program. All Courses/subjects need not carry the same weight. The Courses should define learning objectives and learning outcomes. A Course may be designed to comprise lectures/ tutorials/ laboratory work/ field work/ outreach activities/project work/ vocational training/ viva/ seminars/ term papers/assignments/ presentations/ self-study etc., or a combination of some of these.



(5) Credit: Refers to a unit by which the Course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of lecture or two hours of laboratory/practical Courses/ tutorials/ fieldwork per week etc.

(6) Audit Courses:This Means Knowledge/ Skill enhancing Courses without the benefit of a grade or credit for a Course.

(7) Choice-Based Credit System (CBCS): Refers to customizing the Coursework, Core, Elective, and soft skill Courses, to provide the necessary support for the students to achieve their goals.

(8) Course Registration: Refers to formal registration for the Courses of a semester (Credits) by every student underthesupervisionof a Faculty Advisor (also calledMentor, Counselor etc.,) ineach Semester for the Institution to maintain proper records.

(9) Course Evaluation: This means Continuous Internal Evaluation (CIE) and Semester End Examinations (SEE) to constitute the major evaluations prescribed for each Course. CIE and SEE to carrya weightage of 50 % and 50 % respectively, to enable each Course to be evaluated for 100 marks, irrespective of its Credits. (Project Work and Internship, have a total of 200 marks, comprising Continuous Internal Evaluation (CIE) and Semester End Examination (SEE) with equal weightage of 100 marks each.)

(10) Continuous Internal Evaluation (CIE): Refers to the evaluation of students' achievement in the learning process. CIE shall be by the Course Instructor and includes tests, homework problem-solving, group discussion, quizzes, mini-projects, and seminars throughout the Semester, with weightage for the different components being fixed at the University level.

(11) Semester-end examinations (SEE): Refers to examinationsconducted at the University level covering the entire Course Syllabus. For this purpose, Syllabi is to be modularized, and SEE questions are to be set from each module, with a choice confined to the concerned module only. SEE is also termed a university examination.

(12) First Attempt: Refers to a student who has completed all formalities has become eligible to attend the SEE and has attended at least one head of passing, such attempt shall be considered as a first attempt.

(13) Credit-Based System (CBS): Refers to quantification of the Course work, after a student completes the teaching-learning process, followed by passing in both CIE and SEE. Under CBCS, the requirement for awarding a degree is prescribed in terms of the total number of credits to be earned by the students.

(14) Credit Representation: Refers to Credit Values for different academic activities considered, as per Table.1. Credits for a seminar, project phases, project viva-voce, and internship shall be as specified in the Scheme of Teaching and Examination.

(15) Letter Grade: It is an index of the performance of students in a said Course. Grades are

Table 1: Credit Values				
Theory/Lectures (L) (hours/week/Semester)	Tutorials (T) (hours/week/Semester)	Laboratory/Practical (P) (hours/week/Semester)	Credits (L:T:P)	Total Credits
4	0	0	4:0:0	4
3	0	0	3:0:0	3
2	2	0	2:1:0	3
2	0	2	2:0:1	3
2	2	2	2:1:1	4
0	0	2	0:0:1	1

denoted by letters **O, A+, A, B+, B, C and F**

(16) Grading: Grade refers to the qualitative measure of achievement of a student in each Course, based on the percentage of marks secured in (CIE plus SEE). Grading is done by Absolute Grading [Refer to24OMC7.0]. The rubric attached to letter grades is as follows:
O – Outstanding, A+ – Excellent, A – Very Good, B+ – Good, B – Average, C – Pass, and F – Fail.

(17) Grade Point (GP): Refers to a numerical weightage allotted to each letter grade on a 10-point scale as under.

Letter Grade and corresponding Grade Points on a typical 10 – Point scale							
Letter Grade	O	A+	A	B+	B	C	F
Grade Point	10	09	08	07	06	05	00
% Marks Secured	90-100	80-89	70-79	60-69	55-59	50-54	00-49

(19) Passing Standards: Refers to passing a Course only when getting GP greater than or equal to 05.

(20) Credit Point: Are the product of grade point (GP) and number of credits for a Course i.e.,
Credt points (CrP) = GP × Credits for the Course.

(21)Semester Grade Point Average (SGPA): Refers to a measure of academic performance of student/s in a semester. It is the ratio of total credit points secured by a student in various Courses of a semester and the total Course credits taken during that semester. [Refer to24OMC7.0]

(22) Cumulative Grade Point Average (CGPA): This is a measure of the overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points earned by a student in various Courses in all semesters and the sum of the total credits of all Courses in the semesters. It is expressed up to two decimal places. [Refer to22OMC7.0]

(23) Grade Card: Refers to a certificate showing the grades earned by a student. A grade card shall be issued to all the registered students after every semester. The grade card will display

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the program details (Course code, title, number of credits, grades secured) along with the SGPA of that semester and CGPA earned till that semester.

(24) University: Visvesvaraya Technological University (VTU), Belagavi.



24OMC1.0	**Title, Duration, and Credits of the Programme of Study**
24OMC1.1	**Title:** The Program shall be called Master of Computer Applications, abbreviated as MCA.
24OMC1.2	**Minimum Duration** The Programme shall be a full-timeprogram extended over a period of two academic years duration divided into four semesters and each semester shall be 15- 16 weeks in duration (90 working days).■
24OMC1.3	A Faculty/ Employeeworking on Full Time basis in an Institution/ Organization and pursuing/pursuing any Full Time Course for the same duration as that of Regular Shift shall be considered ineligiblefor the purpose of employment/ higher studies.
24OMC1.4	**Maximum Duration for Programme Completion:** A candidate shall be allowed a maximum duration of 4 years from the first semester of admission to become eligible for the award of the Degree, failing which he/she may discontinue the program or register once again as a fresh candidate to first semester. ■
24OMC1.5	**Prescribed Number of Credits for the Programme:** The number of credits to be completed for the award of degree shall be 80 ■
24OMC1.6	**Definition of Credits:** 01-hour Lecture (L) per week per semester =1 Credit 02 hour Tutorial (T) per week per semester =1 Credit 02 hour Practical/Laboratory/Drawing (P) per week per semester =1 Credit. **Note:** **(i)** Four credit Courses are designed for 45-50 hours Teaching – Learning process. **(ii)** Three credit Courses are designed for 40-45 hours Teaching – Learning process.■
24OMC1.7	**Academic Calendar:** The Calendar of events in respect of the Programme shall be notified by the University in advance. ■
24OMC2.0	**Eligibility for Admission (As per the Government orders issued from time to time)**
24OMC2.1	Passed BCA/ Bachelor Degree in Computer Science Engineering or equivalent Degree, ORPassed B.Sc./ B.Com./ B.A. with Mathematics at 10+2 level or at Graduation Level (with additional bridge Courses as per the norms of the concerned University). Obtained at least 50% marks (45% marks in case of candidates belonging to reserved category, applies to only Karnataka State Students) in the qualifying Examination. ■



24OMC2.2	**For admissions under the PGCET qualification and Roaster system of the Government of Karnataka:** There shall be an Entrance Examination (PGCET) for admission to the MCA program. A candidate seeking admission to the MCA Programme offered in any of the Engineering Colleges affiliated with VTU shall appear for this Examination. For admission under the Government quota, ranks obtained in the PGCET entrance exam, conducted by the Karnataka Examination Authority (KEA), shall be considered. **For admissions under Management Quota:** The candidates should have appeared for the entrance Examination conducted by KEA (PGCET)/Karnataka Management Aptitude Test (KMAT) or appeared and qualified under any approved entrance examination conducted by the authority recognized by the Government of Karnataka/VTU /any other University of Karnataka state.
24OMC2.3	**(i)** The candidates from universities other than the Universities of Karnataka shall have to obtain an Eligibility Certificate from the VTU to seek admission to the MCA program in any of the colleges affiliated with VTU. **(ii)** The candidates from foreign countries shall have to obtain an Eligibility Certificate from the VTU to seek admission to the MCA program in any of the colleges affiliated with VTU. Further, they have to produce an equivalence certificate from the Association of Indian Universities(AIU). ■
24OMC2.4	The intake under various categories shall be as sanctioned by the AICTE, State Government, and VTU, from time to time. ■
24OMC2.5	**Admission to vacant seats:** Guidelines to be followed as per the Notification issued by the Government of Karnataka from time to time for filling of the vacant seats. OR Seats remaining vacant (unfilled), after the completion of PG admission process by Karnataka Examination Authority, shall be filled by the Institution by inviting applications through Press notification. The seats shall be filled by Candidates preferably who have PGCET scores. In the absence of such Candidates, admission shall be based on merit in the entrance test conducted at the Institution level. An Admissions Committee, consisting of the Principal of the College, the Head of the concerned Department, and the subject experts, shall be in charge of admissions.■
24OMC3.0	**Courses**
24OMC3.1	The curriculum of the Programme shall be any combination of the following type of courses: (i) **Professional Core Courses (PCC)** - relevant to the chosen specialization/ branch [May be split into Hard (no choice) and Soft (with choice), if required]. The core course is to be compulsorily studied by a student and is mandatory to

complete the requirements of a programme in a said discipline of study.

(ii) **Professional Electives Courses (PEC)** - relevant to the chosen specialization/ branch: these are the courses, which can be chosen from the pool of papers. It shall be supportive to the discipline/ providing extended scope/enabling an exposure to some other discipline / domain / nurturing student skills.

(iii) **Open Electives Courses (OE)**, from other technical and/ or emerging specialization areas.

(iv) **Project Work**: The project work is a critical component of the curriculum, designed to bridge the gap between academic knowledge and industry practices. It provides students with an opportunity to apply their learning to solve real-world problems, develop innovative solutions, and gain hands-on experience in a professional environment.

(v) **Seminar**:A seminar is an integral academic activity in the Master of Computer Applications (MCA) program, aimed at enhancing students' research, presentation, and communication skills. It provides a platform for students to delve into contemporary topics in computer science, explore emerging technologies, and share their insights with peers and faculty.

(vi) **Audit Courses (AC)**: The Audit course can be any credit course offered by the program to which the Candidate is admitted (other than the courses considered for completing the prescribed program credits). Audit course/s are non-credit courses opted by students for self – enrichment. Though, the CIE and SEE are not required, the attendance to be compulsorily satisfied, for the audit course/s to find a place in the grade card without the mention of letter grade and credit.

(vii) **Professional training/Internship**: Preferably at an industry/R and D organization/IT company/ Government organization/Business organization of significant repute for a specified period mentioned in Scheme of Teaching and Examination. ■

(vii) **On-Line Courses:** These mandatory online courses are ability enhancement courses or skill development courses or emerging technology courses or bridge courses or advanced learning courses. These courses are suggested by the concerned board of studies. These courses are notified on the university portal. The students have to opt for these courses with the help of a mentor/ staff coordinator. These courses are not counted for vertical progression, however, to qualify for the award of a degree the students have to pass these courses.



24OMC3.2	A candidate shall exercise his/her option in respect of the electives and register for the same before the beginning of the concerned semester. The candidate may be permitted to opt for a change of elective subject within 10 days from the date of commencement of the semester as per the calendar of the University. ■
24OMC3.3	Students shall be allowed to choose the elective/s, depending on their career plans, and there shall not be any restriction to the minimum number of students to be registered for an elective course. ■
24OMC3.4	**Course Load:** Every student is to register for a set of Courses each Semester, with the total number of their Credits being limited by considering the permissible weekly Contact Hours (typically: 35-45 hours/Week); For this, an average Course Load of **16 to 28** credits/Semester (e.g., 6-7 Courses) generally acceptable; to also include2 or 3 Units of Non-Credit Mandatory Courses in some Semesters.
24OMC4.0	**Internship**
24OMC4.1	**Internship:**The student shall undergo an Internship for the specified period as per the Scheme of Teaching and Examination. 1) The internship shall be carried out in any industry/ R&D Organization/ Business Organization/Research Institute/Institute of national and international repute Business organization/ recognized national and international Professional Bodies, Societies, or Organizations. 2) The department/college shall nominate a faculty member to facilitate, guide, and supervise students under internship. 3) The students shall report the progress of the internship to the internal guide at regular intervals and seek his/her advice 4) The Internship shall be completed during the period specified in the Scheme of Teaching and Examination. 5) After completion of the Internship, students shall submit a report to the Head of the Department with the approval of both internal and external guides. 6) There shall be 100 marks for CIE (Presentation: 50 marks, Report: 50 marks) and shall be evaluated by the internal panel. 7) The students are permitted to carry out the internship anywhere in India or abroad. The University will not provide any kind of Financial Assistance toany student for an internship. ■

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24OMC4.2	**Failing to undergo Internship:**Internship is one of the head of passing. Completion of the Internship is mandatory. If any student fails to undergo/complete the Internship, he/she shall be considered as failed in that Course and the prescribed credits shall not be awarded in that Course. The student, however, can submit the project dissertation and appear for viva voce. The student shall be eligible for the internship credits only after satisfying the conditions prescribed for the same during the subsequent academic year. The reappearance shall be considered as an attempt. ■
24OMC5.0	**Seminar**
24OMC5.1	**Seminar**:Seminar is one of the heads of passing. 1. Each candidate shall deliver a seminar as per the Scheme of Teaching and Examination on the topics chosen from the relevant fields for about 30 minutes. 2. The Head of the Department shall make arrangements for conductingseminars through concerned faculty members of the Department. The committee constituted for the purpose by the Head of the Department shall award the CIE marks for the seminar. The committee shall consist of three faculty from the Department and the senior most acting as the Chairman/Chairperson. [To be read along with 24OMC10.3] ■
24OMC6.0	**Project**
24OMC6.1	**Project work and Dissertation:** 1. Each candidate shall carry out the project work independently as per the Scheme of Teaching and Examinations under the guidance of one of the faculty members of the Department in the Institution of study. If the project is of an inter-disciplinary nature, a co-guide shall be taken from the other concerned department. 2. The topic and title of the dissertation shall be chosen by the candidate in consultation with the guide and co-guide, if any, before the commencement of IV semester. 3. The subject and topic of the dissertation shall be from the major field of study of the candidate. Modification of only the title but not the field of work may be permitted at the time of the final submission of the dissertation report during the fourth semester. 4. If the dissertation has to be carried out in any industry/R&D labs, outside the campus, permission shall be taken from the Principal to that effect. 5. The Principal, shall submit to the University a list showing the name of the student, University Seat Number, title of the project, name/s of the guide/co-

	guide, at the time of submission of project report to the University.
24OMC6.2	Project is one of the head of passing. The candidate shall submit a soft copy (CD) of the dissertation work to the University. The CD shall contain the entire Dissertation in monolithic form as a PDF file (not separate chapters). The Guide, after checking the report for completeness shall upload the Dissertation along with the name, University Seat Number, address, mobile number of the candidate, etc., as prescribed in the form available on the online Dissertation evaluation portal. ■



24OMC6.3	**Plagiarism Check** Once the Guide uploads the dissertation, the same shall be linked for plagiarism check. The allowable plagiarism index is less than or equal to **10%**. If the check indicates a plagiarism index greater than **10%** : 1. for the first time, the candidate has to resubmit the dissertation, to the Registrar (Evaluation), Regional Center/Head Office, VTU along with the penal fees of Rs. 2000/- (RupeesTwo thousand only). 2. for the second time, the candidate has to resubmit the dissertation along with the penal fees of Rs. 4000/- (Rupees four thousand only). **3.** If the dissertation is rejected again during the second resubmission with reference to the plagiarism index, the candidate shall redo the project and submit after a semester subject to provisions of 24OMC1.4. ■
24OMC6.4	The dissertation shall be sent through email for evaluation to two examiners - one internal examiner (guide/co-guide) and one external examiner (first) appointed by the University. The evaluation of the dissertation shall be made independently by each examiner. ■
24OMC6.5	Examiners shall evaluate the dissertation normally within a period of not more than two weeks from the date of receipt of the dissertation through email. ■
24OMC6.6	The examiners shall independently submit the marks through the specified link.■
24OMC6.7	The average of the marks awarded by the two Examiners shall be the final evaluation marks for the Dissertation. ■
24OMC6.8	1. Viva-voce examination of the candidate shall be conducted as per 24OMC6.10, if the dissertation work and the reports are accepted by the external examiner (first). 2. If the external examiner (first) finds that the dissertation work and the report are not up to the expected standard and the minimum passing marks cannot be awarded, the dissertation shall not be accepted for SEE. The external examiner (first) can recommend for modifications/suggestions of the dissertation or totally reject the dissertation. The examiner shall offer suggestions for improvement of the dissertation for resubmission or list the reasons for rejection of the dissertation. 3. The resubmitted Dissertation incorporating the modifications/suggestions [as per 24OMC6.8 (b)] of the external examiner (first) and satisfying the provision 24OMC6.3 shall be sent again to the external examiner (first) for evaluation. If the dissertation and the report are accepted by the external examiner (first), Viva-voce examination of the candidate shall be conducted as per 24OMC6.10

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24OMC6.8 (continued)	4. In case of rejection of the Dissertation by the external examiner (first), the same will be sent to a Second Examiner (external) approved by the University. The decision of the Second Examiner (external) is final. If the dissertation and the report are accepted by the Second Examiner (external), Viva-voce examination of the candidate shall be conducted as per 24OMC6.10. If the Second Examiner (external) rejects the dissertation and the report, the candidate shall have to carry out the dissertation work once again and submit the dissertation subject to provisions of 24OMC1.4. In such cases of rejection, the candidate shall redo the entire procedure starting from the submission of Dissertation in soft copy. 5. In case of rejection of Dissertation, with reasons, by the external examiner (first) [as per 24OMC6.8 (b)], the same will be sent to a Second Examiner (external)[not necessarily the same examiner considered under 24OMC6.8 (d)] approved by the University. The decision of the Second Examiner (external) is final. If the dissertation and the report are accepted by the Second Examiner (external),Viva-voce examination of the candidate shall be conducted as per 24OMC6.10. ■ 6. If the Second Examiner (external) rejects the dissertation and the report, the candidate shall have to carry out the dissertation work once again and submit the dissertation subject to provisions of 24OMC1.4. In such cases of rejection, the candidate shall redo the entire procedure starting from the submission of the Dissertation in soft copy. ■
24OMC6.9	The candidate, whose Dissertation is rejected, can rework on the same topic or choose another topic of dissertation under the same Guide or new Guide if necessary. In such an event, the report shall be submitted subject to provisions of 24OMC1.4. ■
24OMC6.10	Viva-voce examination of the candidate shall be conducted by the external examiner and internal examiner/ guide. Internal examiner as per the direction of the University shall arrive at a mutually convenient date for the conduct of viva-voce examination of the concerned candidate with an intimation to the Registrar (Evaluation). In case one of the examiners expresses his/her inability to attend the viva-voce, the Registrar (Evaluation) shall appoint a substitute examiner in his/her place. ■
24OMC6.11	The relative weights for the evaluation of the dissertation and the performance at the viva voce shall be as per the scheme of teaching & examination.■
24OMC6.12	The marks awarded by both the Examiners at the viva voce Examination shall be sent jointly to the University immediately after the examination.■

24OMC6.13 Examination fee as fixed from time to time by the University for evaluation of dissertation report and conduct of viva voce shall be remitted through the Head of the Institution as per the instructions of Registrar (Evaluation) from time to time. ■

24OMC6.14 The candidates who fail to submit the dissertation work within the stipulated time have to submit the same at the time of next ensuing examination.■

24OMC7.0 **Computation of SGPA and CGPA**

24OMC7.1

a) The University adopts absolute grading system wherein the marks are converted to grades, and every semester results will be declared with semester grade point average (SGPA) and Cumulative Grade Point Average (CGPA). The CGPA will be calculated for every semester, except for the first semester.

b) The grading system with the letter grades and the assigned range of marks under absolute grading system are as given below:

Letter Grade and corresponding Grade Points on a typical 10 – Point scale

Letter Grade	O	A+	A	B+	B	C	F
	Outstanding	Excellent	Very Good	Good	Average	Pass	Fail
Grade Point	10	9	8	7	6	5	0
% of Marks secured	90-100	80-89	70-79	60-69	55-59	50-54	0-49

(iii) A student obtaining Grade F in a Course shall be considered failed and is required to reappear in subsequent SEE. Whatever the letter grade secured by the student during his /her reappearance shall be retained. However the number of attempts taken to clear a Course shall be indicated in the grade cards/ transcripts. ■

24OMC7.2 **Grade Point Averages:**

SGPA and CGPA: The credit index can be used further for calculating the Semester Grade Point Average (SGPA) and the Cumulative Grade Point Average (CGPA), both being important academic performance indices of the student. While SGPA is equal to the credit index for a semester divided by the total number of credits registered by the student in that semester, CGPA gives the sum total of credit indices of all the previous semesters divided by the total number of credits registered in all these semesters. Both the equations together facilitate the declaration of academic performance of a student, at the end of a semester and at the end of successive semesters respectively. (Annexure-I shows the sample calculation for SGPA & CGPA)

$$SGPA = \frac{\sum[Course\ Credits \times Grade\ Points]\ for\ all\ the\ Courses\ in\ that\ Semester}{\sum[Course\ Credits\ ]\ for\ all\ the\ Courses\ in\ that\ Semester}$$

$$CGPA = \frac{\sum[Course\ Credits \times Grade\ Points]\ for\ all\ Courses\ excluding\ those\ with\ F\ and\ transitional\ grades\ until\ that\ Semester}{\sum[Course\ Credits\ ]\ for\ all\ Courses\ excluding\ those\ with\ F\ grades\ until\ that\ semester}$$ ■

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24OMC7.3	**Grade Card:**Based on the secured letter grades, grade points, SGPA and CGPA, a grade card for each semester and a consolidated grade card indicating the performance in all semesters shall be issued. ■
24OMC8.0	**Conversions of Grades into Percentage and Class Equivalence**
24OMC8.1	**Conversions of Grades into Percentage** There is no formula for the conversion of CGPA into the percentage of marks. However, the following formula for conversion of the CGPA on a 10-point scale into the percentage of marks (M) for employment / higher studies, etc may be used; Percentage of marks secured, P = [CGPA Earned] × 10 **Illustration for a CGPA of 8.20:** P = [CGPA Earned 8.2]× 10 = 82.0 %■
24OMC8.2	**Class Equivalence:** After the conversion of the final CGPA into the percentage of marks (P), a graduating student is reckoned to have passed in **(i)** First Class with Distinction (FCD) if P ≥ 70% **(ii)** First Class (FC) if P ≥ 60% but <70% and **(iii)** Second Class (SC) if P < 60%. And >50%■
24OMC9.0	**Continuous Internal Evaluation and Semester End Evaluation**
24OMC9.1	**Continuous Internal Evaluation** The Weightage for CIE is 50% of the maximum marks in each theory and practical paper. A candidate shall obtain not less than 50% of the maximum marks prescribed for the CIE of each Theory course/ Laboratory/Internship /Project/Dissertation. ■[To be read along with 24OMC9.8]
24OMC9.2	CIE Marks shall be based on 1. Two Unit Tests each of **25 Marks** 2. Two Assignments, Quiz, oral examinationeach of **25 Marks** or **one Skill Development Activity of 50 marks (**Simulation, Experimentation, Mini projectfield work etc., conducted in respective courses) to attain the COs and POs The sum of two tests, two assignments/skill Development Activities, will be **scaled down to 50 marks** **CIE methods /question paper is designed to attain the different levels of Bloom's taxonomy as per the outcome defined for the course.**
24OMC9.3	The CIE marks in a theory course, shall be based on three tests covering the entire syllabus. An additional test may be conducted for the needy students to provide an opportunity to improve their CIE Marks before the end of the semester. The CIE marks shall be the average of the marks scored in three tests.■

24OMC9.4	The candidates shall write the Tests in Blue Book/s. The Blue book/s and other documents relating to the award of CIE marks under 24OMC9.2 shall be preserved by the Principal / Head of the Department for at least six months from the date of announcement of University results and made available for verification at the directions of the Registrar (Evaluation).■
24OMC9.5	Every page of the CIE marks list shall bear the signatures of the concerned Teacher, Head of the Department, and the Principal.■
24OMC9.6	The CIE marks list shall be displayed on the Notice Board and corrections, if any, shall be incorporated before submitting to the University.■
24OMC9.7	The CIE marks shall be sent to the university by the Principals well in advance before the commencement of Semester End Examinations. No corrections of the CIE marks shall be entertained after the submission of marks list to the University.■
24OMC9.8	Candidates obtaining less than 50% of the CIE marks in any course (Theory/Laboratory/Internship/Project) shall not be eligible to appear for the University examination in that course/s. In such cases, the Head of the Department shall arrange for the improvement of CIE marks in the course/ Laboratory when offered in the subsequent academic semester/year subject to the provision of 24OMC1.4.■
24OMC9.9	**Semester End Evaluation**:The weightage of Continuous Internal Evaluation (CIE) is 50% and for Semester End Exam (SEE) is 50%. The minimum passing mark for the CIE is 50% of the maximum mark. The minimum passing marks in SEE are 40% of the maximum marks. A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/ course if the student secures not less than 50% in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together.
24OMC10.0	**Eligibility for Passing and Award of Degree**
24OMC10.1	**(1)** A student who obtains any grade O to C shall be considered as passed and if a student secures F grade in any of the head of passing he/she has to reappear in that head for the SEE **(2)** A student shall be declared successful at the end of the Programme for the award of Degree only on obtaining CGPA $\geq$ 5.00, with none of the Courses remaining with F Grade.
24OMC10.2	For a pass in a theoryand laboratory(practical) course, the student shall secure minimum of 40 % of the maximum marks prescribed in the Semester End Examination(SEE) and 50 % of marks in CIE and 50 % in the aggregate of CIE and SEE marks. The Minimum Passing Grade in a course is C.■

24OMC10.3	For a pass in Internship/Seminar/ Project/Dissertation/Viva-voce examination, a student shall secure a minimum of 50 % of the maximum marks prescribed for the SEE in Internship/Seminar /Project/Dissertation/Viva-voce. The Minimum Passing Grade in a course is C.■
24OMC10.4	IV semester candidates having backlog courses are permitted to upload the dissertation report and to appear for SEE. The IV semester grade card shall be released only when the candidate completes all the backlog courses and become eligible for the award of degree. ■
24OMC10.5	**Rejection of Result:** A candidate may at his/her desire reject his/her latest semester, except the IV semester, results of the University examination in respect to all courses of that semester. Rejection shall be permitted only once during the entire Programme. The CIE marks of the rejected semester shall remain the same. Rejection of results of the University examination including CIE marks is not permitted. ■
24OMC10.6	If the rejection of the University examination results of the semester happens to be of an odd semester, the candidate can take admission to the immediate next even semester. However, if the rejection of the University result is of even semester, the candidate cannot take admission to the next odd semester.■
24OMC10.7	Application for rejection shall be submitted to the Registrar (Evaluation) through the Principal of the college, within thirty days from the date of announcement of results.■
24OMC10.8	A candidate, who opts for rejection of results of a semester shall be eligible for the award of class and distinction, but shall not be eligible for the award of rank.■
24OMC10.9	**Eligibility for Award of Degree:** A student shall be declared to have completed the degree of Master of Computer Applications, provided the student has undergone the stipulated course work as per the regulations and has earned the prescribed Credits, as per the Scheme of Teaching and Examination, of the programme.■
24OMC11.0	**Attendance Requirement**



24OMC11.1	**Registration and Enrolment:** (i) Except for the first semester, registration for a semester will be done during a specified week before the semester-end examination of the previous semester. (ii) The registration sheet shall have the Candidate details, course name, and code, number of credits, and category (core/elective/audit) for each course of that semester. (iii) The Faculty Adviser, assigned by the Head of the Department, will counsel the students in planning their courses of study and provide guidance, motivation, emotional support, and enable the mentees to reach the desired professional and career goals.
24OMC11.2	Courses of each semester shall be treated as a separate unit for calculation of the attendance.■
24OMC11.3	The candidate has to put in a minimum attendance of 85-90% in each course with a provision to condone 15-10% of the attendance by the Vice-Chancellor on the specific recommendation of the Principal of the college where the candidate is studying, based on medical grounds, participation in NSS/NCC/Red Cross/ Republic Day and Independence Day parades/University/ State/ National/ International level sports and cultural activities, seminars, workshops, paper presentation etc., of significant value. The necessary documents in support are to be submitted along with recommendations to condone the shortage.■
24OMC11.4	In case of late admission, approved by a competent authority (Karnataka Examination Authority/VTU), to I/III semester of the program the attendance shall be reckoned from the date of admission to the program.■
24OMC11.5	A candidate who fails to meet the attendance requirements specified in 24OMC11.3 for one or more courses will not be allowed to appear for the SEE in those specific courses. However, they may appear for the SEE of other courses in the same semester. The candidate must re-register for the courses with an attendance shortage when they are next offered, ensuring that the total registered credits in any semester, including regular courses of the current semester and backlog courses due to attendance shortages, does not exceed 28 credits./■
24OMC11.6	Principals of the concerned colleges shall notify regularly, the list of candidates who fall short of attendance.■
24OMC11.7	The list of the candidates falling short of attendance shall be sent to the University at least one week prior to the commencement of the examination.■
24OMC12.0	Promotion and Eligibility (Vertical Progression)

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24OMC12.1	**Passing Standard:** Refers to passing a Course only when getting a Grade Point (GP) greater than or equal to 5 (Grade letter C). **a.** The minimum passing mark to score for CIE is 50% of the maximum marks of CIE, and the minimum passing mark for SEE is 40% of the maximum marks of SEE. In aggregate, the students have to secure 50% total marks of the course (CIE+SEE marks). b. Students satisfying the attendance requirement but failing to secure the minimum percentage of CIE marks, in any course/s, shall not be eligible for the SEE, conducted by the University and they shall be considered as fail in that Course/those Courses and marked as F in the grade cards against this course/s. However, they can appear for university examinations conducted for other Courses of the same semester and backlog course/s if any. **c.** Students who have satisfied the attendance requirement but not the CIE requirements can be permitted to register afresh and appear for SEE after satisfying the CIE requirements in the same Course(s) when offered during the next immediate semester/s or later. **d.** Each appearance to SEE or absence after completing CIE and attendance requirements to complete a course shall be treated as an attempt
24OMC12.2	**Promotion:** Promotion from an odd semester to the subsequent even semester shall not be restricted, even if the candidate has a shortage of attendance in one or more courses. However, candidates with attendance shortages will not be allowed to appear for the Semester End Examination (SEE) in those courses.
24OMC12.3	a) Students with "F" grades in courses totaling more than 16 credits across the 1st and 2nd semesters of the first year shall not be allowed to progress to the 3rd semester (2nd year) of the program. b) These 16 credits include courses with a shortage of attendance. The candidate must re-register for these courses when they are next offered, fulfill the attendance requirements, and achieve at least 50% of the maximum marks in the Continuous Internal Evaluation (CIE) to qualify for the Semester End Examination (SEE). c) The total registered credits in any semester must not exceed 28, including the regular courses of the current semester and backlog courses that require fulfilling attendance and Continuous Internal Evaluation (CIE) requirements d) Each credit course shall be treated as a head of-passing

VISVESVARAYA TECHNOLOGICAL UNIVERSITY BELAGAVI

24OMC12.3	The Mandatory non – credit courses, if any, shall not be considered for the Eligibility criterion prescribed for promotion, award of Class, calculation of SGPA and CGPA. However, a pass in the above courses is mandatory before the completion of Degree.
24OMC13.0	**Temporary Discontinuation/Break in the Program**
24OMC13.1	**a)** If a candidate, for any reason, temporarily discontinues the Programme or take a break from programme during any semester, he/she may be permitted to continue in the programme by registering to the same semester of the prevailing scheme. The candidate shall complete all the remaining course work subject to the provision 24OMC1.4. Also the Candidates may have to complete additional course/s, if any, as per the decision of concerned Board of Studies and approval of Dean, on establishing equivalence between two schemes. A Grade card shall be issued to that effect. Additional course/s shall not be considered for the eligibility criterion prescribed for promotion. However, based on the individual cases, it is considered to decide the SGPA and CGPA to admit the student for the award of degree.Such candidate shall not be eligible for the award of rank. ■ **b)**. Candidates who takes admission to any semester of the existing scheme from another scheme, as a repeater/fresher because of various reasons have to complete additional course/s, if any, as per the decision of concerned Board of Studies and approval of Dean, on establishing equivalence between two schemes. A Grade card shall be issued to that effect. Additional course/s shall not be considered for the eligibility criterion prescribed for promotion. However, based on the individual cases, it is considered to decide the SGPA and CGPA to admit the student for the award of degree.Such candidate shall not be eligible for the award of rank.■
24OMC14.0	**Award of Prizes, Medals and Ranks**
24OMC14.1	For the award of Prizes and Medals, the conditions stipulated by the Donor shall be considered subject to the provisions of the statutes framed by the University for such awards.■

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24OMC14.2	1. For award of rank in Master of Computer Applications, the CGPA secured by the student on completion of the programme is considered. 2. A student shall be eligible for a rank at the time of award of degree of Master of Computer Applications, provided the student a) Is not a repeater in any semester b) Has not rejected the results of any semester. c) Has passed I to IV semester in all the courses in first attempt only 3. The total number of ranks awarded shall be 10 % of total number of students appeared in IV semester subject to a maximum of 10 ranks. **Illustration:** **(a)** If 150 students appeared for the IVsemester, the number of ranks to be declared will be 10. **(b)** If 84 students appeared for the IV semester, the number of ranks to be declared will be 08. **(c)** In case of fractional number of ranks, it is rounded to higher integer only when the first decimal place value is greater than or equal to 5. ■ Ranks are awarded based on the merit of the students as determined by CGPA. If two or more students get the same CGPA, the tie shall be resolved by considering the number of times a student has obtained higher SGPA. If it is not resolved even at this stage, the number of times a student has obtained higher grades like S, A, B etc., shall be taken into account to decide the order of the rank. ■
24OMC15.0	**Applicability and Power to Modify**
24OMC15.1	The regulations governing the Degree of Master of Computer Applications of Visvesvaraya Technological University shall be binding on all concerned.■
24OMC15.2	**(i)**Notwithstanding anything contained in the foregoing, the University shall have the power to issue directions/ orders to address any difficulty. **(ii)** Nothing in the foregoing may be construed as limiting the power of the University to amend, modify or repeal any or all of the above. ■

VISVESVARAYA TECHNOLOGICAL UNIVERSITY BELAGAVI

19/12/24

REGISTRAR
Visvesvaraya Technological University,
BELAGAVI - 590 018.

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
"ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ".

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)
"Jnana Sangama" Belagavi-590018, Karnataka, India

Prof. B. E. Rangaswamy
REGISTRAR

Phone: (0831) 2498100
Fax : (0831) 2405467

VTU/BGM/Aca/Ph.D./2022-23/20764

Date: 21/03/23

NOTIFICATION

Sub: Ph.D-2023. Regulation (Minimum Standards and Procedure for the Award of Ph.D. Degree) reg...

This is a reference to the subject cited above, the Ph.D-2023. Regulation (Minimum Standards and Procedure for the Award of Ph.D. Degree) with Research Center, Supervisor, and Scholars. All Research centers are requested to intimate the necessary steps to implement the new regulations for the award of Ph.D., and the copy is available for reference at VTU web portal.

This would be in effect from the date of this notification with supersession of the VTU Ph.D. Degree Regulations, 2020 and its amendments, including all other previous Regulations for awarding Ph.D Degrees,

The contents of this notification may be brought to the notice of all the concerned.

Rav BE
21/03/23
REGISTRAR
21/03/23

To,

1. The Principal of all Affiliated, Autonomous, and Constituent Colleges under the ambit of VTU, Belagavi.
2. All Chairpersons of Department VTU Belagavi.
3. The Heads of Recognized Research Centers of VTU.
4. The Regional Director (I/c), of VTU's Regional Office at Bengaluru, Belagavi, Kalaburagi, and Mysuru.
5. The Director, R&D, VTU, Belagavi for information.
6. The Director (I/c), ITISMU VTU, Belagavi for information and uploading on a website.

Copy to:

1. The Hon'ble Vice-Chancellor, through the Secretary to VC, VTU, Belagavi
2. The Registrar's office, VTU, Belagavi for information
3. The Registrar (Evaluation), VTU, Belagavi for information
4. Office copy.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



Visvesvaraya Technological University

(Minimum Standards and Procedure for Award of Ph.D. Degree)

Regulations – 2023



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Visvesvaraya Technological University (Minimum Standards and Procedure for Award of Ph.D. Degree) Regulations – 2023

Preamble:

Knowledge creation and research are critical to growing and sustaining a large and vibrant economy, uplifting society, and continuously inspiring a Nation to achieve even greater heights. A University has only one definition worldwide, namely, a multidisciplinary institution of higher learning that offers undergraduate, graduate, and Ph.D. programmes, and engages in high-quality teaching and research. Doctoral education in large multi-disciplinary Universities, while providing rigorous research-based specialization, would also provide opportunities for multidisciplinary work, in academia, government and industry. The NEP- 2020 mandates that Universities shall plan to make professional education become an integral part of the overall higher education system. This suggests that all higher education programmes shall significantly involve critical and interdisciplinary thinking and research. Hence, to regulate, in an orderly manner, the process of admission, registration of students, assessment of research progress, enable students to conduct quality research with in the specified period, and fairly adjudicate the thesis to award Research degree in Visvesvaraya Technological University (VTU), with due consideration to the NEP-2020 policy, and applicable Regulations of UGC, in exercise of the powers conferred under Section 22 of UGC Act 1956 and under the powers conferred by sub-section (1) & (2) of Section 7 of the VTU Act, 1994, with supersession of the VTU Ph.D. Degree Regulations, 2020 and its amendments, including all other previous Regulations for awarding Ph.D Degrees, the University hereby makes the following Regulations, namely:-

1. SHORT TITLE, APPLICATION, AND COMMENCEMENT

(1) These Regulations may be called Visvesvaraya Technological University (Minimum Standards and Procedure for Award of Ph.D. Degree) Regulations – 2023.

(2) These Regulations shall apply to all Ph.D. Programmes conducted at the Visvesvaraya Technological University, its constituent Colleges, VTU approved Research Centers, and all other Colleges affiliated to VTU.

(3) These Regulations shall also be applicable to the Candidates seeking registration and admitted for Ph.D. in the Faculty of Engineering, Faculty of Architecture, Faculty of Applied Science, Faculty of Management, and Interdisciplinary Subject Areas.

(4) They shall come into force from the date of their Notification by the University.

2. DEFINITIONS

(1) In these Regulations, unless the context otherwise requires,

1. "Academic Integrity" means the intellectual honesty in proposing, performing, and reporting any activity, which leads to the creation of intellectual property.
2. "Academic Senate (AS)" means the Academic Authority of the University.
3. "Academic Year" means two consecutive semesters (one odd followed by one even) that constitute one academic year.
4. "Act" means the Visvesvaraya Technological University Act, 1994.
5. "ADF" (Formerly NDF) means AICTE Doctoral Fellowship to seek admission to Ph.D.programme.
6. "Adjunct Faculty" means a part-time or contingent instructor, but not full-time faculty member hired to teach by the University or a College.
7. "Admission Committee" means the Committee constituted by the Vice Chancellor for carrying out admission of candidates for Ph.D. programme and other related work.
8. "AICTE" means the All India Council for Technical Education established at New Delhi by an Act of Parliament in 1987.
9. "AIU" means Association of Indian Universities is an Organization and Association of major Universities in India. It evaluates the courses, syllabi, standards, and credits of foreign Universities pursued abroad and equates them in relation to various courses offered by Indian Universities.
10. "College" means an institution engaged in higher education and/ or research, either established by a University as its constituent unit or is affiliated with it.
11. "Course" means one of the specified units which go to comprise a programme of study.
12. "Course Work" means courses of study prescribed by the Faculty of Studies/ Research Centre/Department to be undertaken by a student registered for the Ph.D. programme.
13. "Credit" means the number of hours of instruction required per week over the duration of a semester. A three-credit course in a semester means three one hour lectures per week, with each one-hour lecture counted as one credit.
14. "Cumulative Grade Point Average(CGPA)"means a measure of the overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all semesters. It is expressed up to two decimal places.
15. "Dean" means the senior most Dean of Faculties at the University.
16. "Degree"means a degree awarded by the University in accordance with the provisions of section 22 (3) of the UGC Act.
17. "Distance Education Bureau (DEB)" means a Bureau of UGC (Earlier to 2012, it was called Distance Education Council (DEC)).
18. "Discipline" means a Faculty/ Domain area of Ph.D. Programme, for example, Engineering, Management, Science, Commerce, Law etc.
19. "DOI" means Digital Object Identifier, is a unique permanent alphanumeric string

(e.g., DOI: 10.1109/ICCSRE.2019.8807726) assigned by a publisher for identifying an article and to provide a persistent link to its location on the Internet. The DOI will be with the article itself, usually on the first page somewhere, or in the header or footer.

20. "Executive Council (EC)" means the Executive Authority of the University, which is the principal executive body of the University.
21. "External examiner" means an academician/ researcher with published research work who is not part of the Higher Educational Institution where the Research scholar has registered for the Ph.D. programme.
22. "FIP" means the Faculty Improvement Programme of UGC.
23. "Foreign Educational Institution" means (i) an institution duly established or incorporated in its Home country and offering educational programmes at the undergraduate, postgraduate and higher levels in its home country and (ii) which offers programme(s) of study leading to the award of a degree through conventional face-to-face mode, but excluding distance, online, and ODL mode.
24. "Foreign National (FN)" means a candidate who is from a foreign country and includes Non-Resident Indians (NRI) and Persons of Indian Origin (PIO) status.
25. "Google Scholar id" means an identifier of a person, in the Google Scholar academic search service. Google Scholar allows users to search a wide variety of materials including articles, books, conference proceedings on a vast number of topics. It also allows to know how many times an article has been cited and by whom and provides citations for articles in several styles.
26. "Grade Point" means a numerical weight allotted to each letter grade on a 10-point scale.
27. "Higher Educational Institution (HEI)" means a University or an institution specified under Section (2) of Regulation 1 of these Regulations.
28. "Interdisciplinary Research" means research conducted by a Research Scholar in two or more academic disciplines.
29. "Integrated Degree" means a higher degree awarded combining the requirements of two degrees in sequence conducted in a shorter time frame e.g: M.Sc.(Engg) by research / M.Tech. along with Ph.D. degree in less than five years.
30. "Online Mode" shall have the same meaning as defined under the UGC (Open and Distance Learning Programmes and Online Programmes) Regulations 2020.
31. "Open and Distance Learning Mode" shall have the same meaning as defined under the UGC (Open and Distance Learning Programmes and Online Programmes) Regulations 2020.
32. "ORCID", means Open Researcher and Contributor ID, is used to identify a person particularly who is an academic author. The ORCID ID is a 16-digit number that is compatible with the ISO Standard (ISO 27729), e.g., https://orcid.org/0000-0001-2345-6789.
33. "Plagiarism" means the practice of taking someone else's work or idea and passing them as one's own.

34. "Pre - Submission Colloquium" means the presentation given by the Research Scholar before the RAC, highlighting his/her research work before submission of the final thesis.
35. "Programme" means a planned series of events/activities comprising of a combination of courses and activities leading to the award of Ph.D. Degree/ Integrated Ph.D Degree.
36. "Prospectus" means any document, whether in print or otherwise, issued for providing fair and transparent information relating to a HEI and programmes, to the general public (including to those seeking admission in such HEI) by the HEIs.
37. "QIP" means Quality Improvement Programme of the GOI.
38. "Registrar" and "Registrar (Evaluation)" mean respectively the Registrar and Registrar (Evaluation) of the University.
39. "Research Advisory Committee (RAC)" means a committee constituted by the Vice Chancellor to review the progress of each Research Scholar.
40. "Research Associate" means a Research Scholar registered under Full Time Ph.D. category.
41. "Research Center (RC)" means an officially organized Center approved by the University for the Scholars to pursue Ph.D. in an approved discipline.
42. "Research Scholar" means the status of a candidate who is registered for the Ph.D. Programme after due selection process until he either successfully completes the final viva-voce leading to Ph.D. or registration is cancelled.
43. "Research Supervisor" means a Faculty of the University or other Institutions or individual Scholars found to be eligible for guiding the Research Scholars as per UGC norms and approved by the RQAC of the University.
44. "Research Proposal" means a brief write-up giving an outline of the proposed research work which the Research Scholar shall submit along with the application for registration for Ph.D. programme.
45. "Specialization" means a sub-discipline or branch of any Degree Programme like Business Management, Marketing Management, Supply Chain Management in MBA or CSE, ECE, MECH in Engineering and Technology.
46. "SCOPUS/SCI/WOS Indexed Journals" refers to journals of higher scientific quality as compared to non-indexed journals. These are reputed professional journals or literary journals or publications in which the research articles or papers are selected for publication by a panel of expert referees in the field.
47. "Transcript and Grade Card" means certificates issued to the successful candidates after completion of their Course work. Based on the grades earned, a grade card shall be issued to all the registered students after every semester. Transcript is a consolidated certificate issued at the end of completing the coursework. The grade card will display the programme details (Course code, title, number of credits, grade secured) along with SGPA of that semester.
48. "Trans-Disciplinary Research" means the research carried out in a discipline involving more than one discipline.

49. "UGC" means the University Grants Commission established at New Delhi, by an Act of Parliament in 1956.
50. "UGC - CARE Approved Journals" means journals selected by UGC to match global standards of high-quality research in all academic disciplines under its purview and to ensure prevention of academic misconduct that includes plagiarism in academic writing among students, Research Scholars, and faculty. CARE stands for Consortium for Academic and Research Ethics.
51. "University" means the Visvesvaraya Technological University established under Section 3 of the Act.
52. "Vice Chancellor or VC" means the Vice Chancellor of the University.
53. "Viva-Voce" means presentation of the research work by the Research Scholar followed by question – answer session, in front of subject experts/examiners and invited audience for assessment and examination.
54. "VTU-ETR" means VTU Eligibility Test for Research conducted by the University for admitting Candidates to Ph.D. programme.
55. "Website" means the University website at www.vtu.ac.in https://jnanashodha.vtu.ac.

(2) Words and expressions used and not defined in these Regulations but defined in Act and not consistent with these Regulations shall have the meanings assigned to them in that Act.

REGULATIONS

23PHD 1.0. TITLE AND DURATION OF THE PROGRAMME

23PHD 1.1. The Programme of study, which is a Research Programme, shall be called the Doctor of Philosophy degree, abbreviated as Ph.D., followed by specialization indicated within brackets.

23PHD 1.2. The duration of the Programme for Ph.D. degree:

(1) Ph.D. programme shall be for a minimum duration of three (03) years for Full-Time and four (04) years for Part-Time, including course work, and a maximum duration of six (06) years for all from the date of admission to the Ph.D. programme.

(2) Ph.D. Integrated Full-Time programme shall be for a minimum duration of five years (05) (eg: M.Tech./M.Sc.(Engg.) with Ph.D)

(3) Provided, in exceptional circumstances, the University, on the recommendation of the RAC and approval of the Vice Chancellor, may extend the duration of the Programme, for a maximum period of another two (2) years. Provided, however, that the total period for completion of a Ph.D. programme should not exceed eight (8) years from the date of admission in the Ph.D. programme.

(4) The Research Scholar shall also pay the stipulated fee as fixed by the University for the extended period. If the Research Scholar fails to submit his/her thesis within the extended period, their Ph.D. registration shall lapse automatically.

(5) Provided further that, female Research Scholars and Persons with Disabilities (having more than 40% disability) may be allowed an additional relaxation of two (2) years; however, the total period for completion of a Ph.D. programme in such cases should not exceed ten (10) years from the date of admission in the Ph.D. programme.

(6) Female Research Scholars may be provided Maternity Leave/ Child Care Leave for up to 240 days in the entire duration of the Ph.D. programme.

23PHD 1.3. Annual Academic Calendar

The annual academic calendar of events in respect of the Programme of study approved by the University, shall be notified at least a month before the commencement of each academic year. It is mandatory for Research Scholars/ Research Supervisors/Principals to strictly adhere to the Academic Calendar for completion of academic activities. Academic Calendar shall be displayed on the Academic Office homepage of the University website.

23PHD 2.0. ELIGIBILITY FOR ADMISSION

(1) The Ph.D. Programme shall be offered under two categories, Full-Time and Part-Time, in the University departments, it's constituent college, affiliated colleges and Research Centres at other Institutes/ Industries.

Provided that the approved Research Centres, Faculty of Studies and the Research Supervisors in the concerned Faculty are availabe.

(2) Students registered for M.Sc.(Engg.) by Research/M.Tech./M.Arch, are eligible to upgrade their registration to Ph.D. programme as per 23PHD 2.1, as applicable based on their performance on a case by case basis.Eligibility conditions for admission shall

be as given below.

23PHD 2.1. Minimum Qualifications to be Satisfied

The minimum qualification criteria for admission to the Ph.D. programme in different Faculties shall be as follows:

23PHD 2.1.1. Faculty of Engineering

(1) The Candidates shall possess a Master's Degree in Engineering/ Technology or an equivalent Degree or M.S. (Research) Degree from the University or any other HEI recognized by the University, with a minimum CGPA of 6.75 out of 10 or 60% aggregate marks at either the Bachelor's or the Master's Degree.

(2) The candidates pursuing M. Tech. Degree at the University who have successfully completed the prescribed coursework in the first three semesters of study with outstanding merit of either a minimum CGPA of 7.75 out of 10 or 70 % aggregate marks and published research papers in refereed journals or filed/obtained patents shall be eligible for up-gradation to the Ph.D. Integrated Degree Programme, subject to approval by the Admissions Committee.

(3) The candidates pursuing M.Sc.(Engg.) by Research Degree at the University who have successfully completed the prescribed coursework in the first two semesters of study with outstanding merit of either a minimum CGPA of 7.75 out of 10 or 70% aggregate marks and published research papers in refereed journals or filed/obtained patents shall be eligible for up-gradation to the Ph.D. Integrated degree programme, subject to approval by the Admissions Committee.

23PHD 2.1.2. Faculty of Management

The Candidates shall possess a regular mode PG Degree in MBA or equivalent Degree from a recognized University with a minimum CGPA of 6.75 out of 10 or 60% aggregate marks at the Master's Degree.

23PHD 2.1.3. Faculty of Applied Science

(1) The Candidates shall possess a regular mode M.Sc. Degree in Physics, Chemistry, Mathematics and Geology or MCA or PG degree in such other allied disciplines, recognized by the University with a minimum CGPA of 6.75 out of 10 or 60 % aggregate marks at either the Bachelor's or the Master's Degree.

(2) Candidates completing one year (Two semester) Master's degree programme after a Four year (Eight semester) Bachelor's degree programme or a Two year (Four semester) Master's degree programme after a 3 year bachelor's degree programme or qualifications declared equivalent to the Master's degree by the corresponding statutory regulatory body, in the related specialization, with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed or equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of the educational institution.

23PHD 2.1.4. Faculty of Architecture

(1) Candidates with PG Degree:

The Candidates shall possess Master's Degree in Architecture/ allied specialization or equivalent recognized by the University, with a minimum CGPA of 6.75 out of 10 or 60% aggregate marks at either the Bachelor's or Master's Degree in the respective discipline.

(2) Candidates with UG Degree:

The Candidates possessing Bachelor's Degree in Architecture or equivalent recognized by the University, with 10 years of experience in teaching/research/ professional practice in Architecture shall also be eligible for admission, subject to approval by the Admissions Committee.

(3) The candidates pursuing M. Arch. Degree at the University who have successfully completed the prescribed coursework in the first three semesters of study with outstanding merit having either a minimum CGPA of 7.75 out of 10 or 70 % aggregate marks and demonstrated good research aptitude shall be eligible for up-gradation to the Ph.D. Integrated Degree Programme, subject to approval by the Admissions Committee.

23PHD 2.1.5. Programme in Interdisciplinary Subject Areas

The Candidates desirous of pursuing Ph.D. in interdisciplinary subject areas shall fulfill the following eligibility requirements:

(1) The Candidate shall possess the Master's Degree in appropriate branch/ subject/ discipline recognized by the University, with a minimum CGPA of 6.75 out of 10 or 60% aggregate marks.

(2) For interdisciplinary Research work, Degree shall be awarded in the Faculty in which the Candidate has been permitted to register for the Ph.D. programme by the Admissions Committee.

23PHD 2.1.6. Relaxation of Percentage of Marks for Admission

(1) A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the UGC from time to time.

Provided that a candidate seeking admission after a 4-year/8-semester bachelor's degree programme should have a minimum of 75% marks in aggregate or its equivalent grade on a Point scale wherever the grading system is followed.

(2) A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ ST/ OBC (non-creamy layer)/ Differently-Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the UGC from time to time.

Provided that a candidate who has completed the M.Phil. programme with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed or equivalent qualification from a foreign educational institution accredited

by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of educational institutions, shall be eligible for admission to the Ph.D. programme.

23PHD 2.2. Full-Time Ph.D. Programme

(1) Candidates, who are not employed and Candidates who are sponsored/deputed are eligible for admission to Full time Ph.D. programme.

(2) Candidates who are admitted to Full-Time Ph.D. programme shall not be allowed to take up any employment during the period of the programme. However, they are eligible receive Scholarship/ fellowship/ stipend/ assistantship, if any, with an intimation to the Registrar.

(3) Candidates admitted under ADF/QIP /FIP shall be permitted to pursue Ph.D. research only on full time basis. Such candidates shall produce NOC from their Employer along with the study leave sanction letter, for a minimum period of three years with full salary.

23PHD 2.3. Part-Time Ph.D. Programme

(1) Ph.D. programme through part-time mode shall be permitted, provided all the conditions stipulated in these Regulations are fulfilled.

(2) In-service Candidates having a minimum professional experience of one year after their PG Degree and working in any Engineering College/ Polytechnic/ University/ Deemed to be University (recognized / accredited by appropriate bodies in India) or Research Staff of Public /Private /Corporate Organizations shall be eligible to pursue Ph.D. research on a Part- Time basis.

(3) The candidate shall submit to the University a "No Objection Certificate" for a Part-Time Ph.D. programme from the appropriate authority in the organization where the candidate is employed, clearly stating that:

(i) The candidate is permitted to pursue studies on a Part-Time basis.

(ii) His/her official duties permit him/her to devote sufficient time for research.

(iii) If required, he/she shall be relieved from the duty to complete the course work.

(4) Not withstanding anything contained in these Regulations or any other law, for the time being in force, the University shall not permit conduct of Ph.D. programmes through distance and/or online mode.

(5) **Mandatory Residence Period:** All Part-Time Research Scholars shall put in a minimum of fifteen (15) days of residence period twice a year at his/ her Research Center before every review of the RAC till the submission of the final Synopsis covering all the chapters of the Thesis.

23PHD 2.4. Admission of International Students to Ph.D. Programme

(1) Each supervisor can guide upto two international research scholars on a supernumerary basis over and above the permitted number of Research scholars as specified in Section 23PHD 5.3(5).

(2) The University may decide the selection procedure for Ph.D. admission of international students keeping in view the guidelines/norms in this regard issued by statutory/ regulatory bodies concerned from time to time.

(3) NRI/FN/PIO Candidates shall be eligible for admission to Full-Time Ph.D. research programme. However, the Candidates shall have passed the UG / PG programmes in the appropriate branch from a University recognized/accredited by approved bodies in India with medium of instruction in English or qualified in TOEFL/ELTS, or equivalent and be able to communicate in English and submit the Thesis in English language only.

(4) Foreign Nationals shall hold valid passport/visa, clearance from MHRD and other documents as mandated by the GOI throughout their studentship at the University.

(5) Any foreign University Degree holders, either in UG or PG, are required to submit AIU equivalence Certificate.

23PHD 2.5. Conversion of CGPA to percentage marks

The University shall consider the following expression for undergraduate and postgraduate programmes:

a) % Marks = CGPA x 10, In case of linear Grading Scheme

b) % Marks = (CGPA – 0.75) x 10, for other Grading Schemes

In the case of linear Grading scheme, Letter Grades O, A+, A, B+, B, C, P are assigned Grade Points 10, 9, 8, 7, 6, 5, 4 respectively when the % of Marks Secured corresponds to 90-100, 80-89, 70-79, 60-69, 55-59, 50-54, and 40-49.

23PHD 3.0. MINIMUM STANDARDS AND PROCEDURE

The University Regulations for award of Ph.D. degree comply to the standards specified by the UGC and the procedure is enumerated below:

(1) The candidates who satisfy the eligibility criteria specified in 23PHD 2.0 seeking admission to Ph.D. programme of the University, shall be admitted based on the qualifying examination marks, written entrance test and interview, subjected to vacancy notified and availability of eligible and suitable Research Supervisors at the Research Centers.

(2) The Research Scholars provisionally registered for Ph.D. Programme shall be allotted suitable Research Supervisor/ Co-Supervisors as per 23PHD 5.0.

(3) The Research Scholars shall register for requisite number of courses as per 23PHD 6.0. and complete the course work within first two years of provisional admission.

(4) The course work shall be treated as pre-requisite for starting research work. On successful completion of the specified course work and earning the required number of credits, the provisional registration of the research scholar shall be confirmed for pursuing research further.

(5) Upon confirmation of Registration, the Research Scholar shall be required to undertake research work under an approved Research Supervisor. The Research Supervisor shall offer requisite guidance and continuously monitor their progress to satisfy the Regulations specified in 23PHD 7.0.

(6) The Research Scholar shall produce a draft thesis covering the processes and outcome of research within a reasonable time, as stipulated under the Regulations and submit the same to the University for adjudication.

(7) Assessment of research carried out by a Research Scholar leading to partial fulfillment for the award of Ph.D. degree, in the form of thesis, publication of research papers and any other similar work, shall conform to the normally accepted academic integrity and originality observed in various relevant processes adopted by University under 23PHD 8.0.

(8) On favorable adjudication of the thesis and successful completion of the final viva-voce Examination by the Research Scholar, the Ph.D. Degree completion Notification is issued by the University as per as per 23PHD 9.0, after obtaining confirmation that all the other required conditions for the award of the degree have been satisfied.

23PHD 3.1. Various Committees and Boards

As and when required, required committees and Boards shall be constituted to oversee the selection of applicants, allocation of Research Supervisors, assure the Quality of Research etc. for effective and transparent functioning of research at the University.
The University shall specifically constitute the following Committees and Boards for monitoring the Research Programmes:

(1) Research Policy Apex Committee (Common to all Research Programmes)
(2) Admissions Committee (Common to all Research Programmes)
(3) Research Quality Assurance Committee (Common to all Research Programmes)
(4) Research Advisory Committee
(5) Board of Examiners for final Viva –Voce examination
(6) Expert Committee and such other Committees/ Boards, as may be required.

The composition, duties and responsibilities of the Committees and Boards shall be as specified below.

23PHD 3.2. Research Policy Apex Committee (RPAC)

The composition of Research Policy Apex Committee:

(1) The Vice Chancellor	– Chairman
(2) Nominee of the Executive Council	– Member
(3) Nominee of the Academic Senate	– Member
(4) One expert from R & D from Industry	– Member
(5) Dean	– Member
(6) Registrar (Evaluation)	– Member
(7) Registrar	– Member Secretary

23PHD 3.2.1. The Research Policy Apex Committee shall have scope as follows:

(1) Lay down the policy relating to Research Programmes from time to time.
(2) Resolve issues raised by the Admissions Committee, Research Advisory Committee, Research Quality Assurance Committee, Registrar, and Registrar (Evaluation).
(3) Any other matter pertaining to Research Programmes.

The tenure of the Committee shall be One year. The Committee may meet as often as required but at least one meeting in an academic year.

23PHD 3.3. Admissions Committee (ADC)

The Admission Committee shall plan, supervise the admission process, and select the applicants to the extent specified in these Regulations.

The composition of Admissions Committee:

(1) Vice Chancellor – Chairman
(2) Dean of the Faculty. – Member
(3) Nominee of the Executive Council – Member
(4) Nominee of the Academic Senate – Member
(5) Registrar (Evaluation) – Member
(6) Registrar – Member Secretary
(7) Director, R &D, VTU – Member Convenor

If required, the Vice Chancellor shall nominate additional members.

23PHD 3.3.1. The Admissions Committee shall be responsible for,

(1) Identification and notification of intake to Research Programmes.
(2) Scrutinizing the application of the Candidates to determine their eligibility, including those who are eligible for exemption from the Visvesvaraya Technological University – Eligibility Test for Research (VTU-ETR).
(3) Organizing the eligibility/ entrance test for admission to Research Programmes.
(4) Organizing evaluation of the answer scripts (OMR sheets).
(5) Preparation of the merit- list(s) of Candidates based on the VTU-ETR score in percentage format.
(6) Deciding on the number of Candidates from the merit list(s) to be called for pre-registration interview.
(7) Conducting pre-registration interview for such short listed Candidates.
(8) The implementation of Reservation Policy in the admission process.
(9) Conducting such other tasks connected with the admission of the Candidates for the Research Programmes of the University, recognized Research Centers and Colleges.
(10) Finalize the list of candidates to be admitted for the Research Programmes as per these Regulations.

The tenure of the Committee shall be one year. The Committee may meet as often as required with clear agenda.

23PHD 3.4. Research Advisory Committee (RAC)

There shall be a Research Advisory Committee for each Research scholar admitted by the University to advise and regularly monitor the progress to ensure that the candidates produce quality research and complete the research work within the stipulated period.

23PHD 3.4.1. The composition of Research Advisory Committee:

(1) Principal of the College under VTU/ Chairperson of the University Department/ Director, Principal or Dean of Architecture College or School / Head or in charge Scientist of the Research Center located at State, Central, Private, Corporate Organizations/ Research laboratories/ Institutions and Industries. – **Chairperson**

(2) Head of the Department of the VTU affiliated College or Faculty of Studies/ Head or in charge Scientist of Research Centers located at State, Central, Private, Corporate Organizations/ Research laboratories/ Institutions and Industries/ Director or Nomineeof the Vice Chancellor for the University Department – **Member**

(3) An expert in the same domain of the Research Scholar, nominated by the Vice Chancellor as per Section 23PHD 3.4.1.1.(3) – **Member**

(4) Research Supervisor – **Member Convener**

(5) Co-Supervisor (if any) – **Special Invitee**

23PHD 3.4.1.1. Appointment of RAC Members:

(1) The RAC constituted for each Scholar shall have members possessing Ph.D. Degree in the relevant field.

(2) However, the condition under (1) above, is not applicable for persons working as Head or in charge of Research Centers located at State, Central, Private, Corporate Organizations/ Research laboratories/ Institutions and Industries.

(3) (a) The chairperson of the RAC, in consultation with the Research Supervisor (s), shall submit names of four domain experts to the Registrar for approval by Vice Chancellor. Out of the four domain experts, two shall be from VTU affiliated Colleges/ University Departments and the other two shall be from IISc, IITs, IIITs, IIMs, NITs, Universities belonging to State and Central Governments, and reputed Research Organizations/ Research Institutes/ Industries within the country.

(b) The Vice Chancellor, or his Nominee

(i) Shall nominate one from the above list and an alternate standby.

(ii) Can also set aside the proposed list of experts, to appoint alternate experts.

(c) In case, any member being nominated to RAC under sections 23PHD3.4.1(1) or (2) happens to be a Research Supervisor/ Co – Supervisor of the Scholar, and any member being nominated comes under both the clauses 3.4.1(1) and (2), then, the Vice Chancellor shall appoint an alternate Chairperson/Member for RAC by selecting one of the members from the panel, prepared under clause (a) above.

(d) In case, the Head of the Department of a College or Faculty of Studies/University Department is not satisfying 23PHD 3.4.1.1(1), the Vice Chancellor shall appoint an alternate Member for RAC by selecting one of the members from a panel of four domain experts (external to the College) submitted, to the Registrar, by the Chairperson of the RAC.

(4) The members shall serve the RAC, provided they have no close relatives or spouse registered in that Research Center.

(5) The Vice Chancellor shall appoint alternate external domain expert on the RAC after

receiving the names of additional experts from the Chairperson of the RAC in case the domain expert is not responsive to attend the meetings or request the University to be relieved.

(6) All the expenses incurred towards the functioning of the RAC shall be met by the concerned Institution where the Research Center is located.

(7) The quorum for the meeting shall be three members with the attendance of expert member being compulsory.

23PHD 3.4.2. Scope of Research Advisory Committee

(1) The RAC shall be responsible to guide, review and monitor the progress of the Scholars pursuing Research programme starting from commencement of the programme until submission of the Thesis.

(2) Advise the Research Scholars on selection of proper subject domain.

(3) The RAC shall review the research proposal and approve the topic of research.

(4) Guide the Research scholar in developing the study design and methodology of research and identify the course(s) that he/she may have to register.

(5) Recommend Transfer/equivalence of courses to register online/offline for coursework.

(6) To recommend extension of the duration of research period based on the progress.

(7) Examine and decide on the trans-disciplinary area of research.

(8) Approve topic specific course content submitted by the Research Supervisor.

(9) The RAC shall meet as often as required, but at least once in every six months to oversee the progress of the Scholar for evaluation and further guidance. The half yearly progress reports shall be uploaded by the Research Supervisor at, https://jnanashodha.vtu.ac.in

(10) Each semester, a Research scholar shall appear before the RAC to make a presentation and submit a brief report on the progress of work for evaluation and further guidance. The RAC shall submit its recommendations along with a copy of Research scholar's progress report to the University. A copy of such recommendations shall also be provided to the Research scholar.

(11) Advise the Research Scholars to make conference presentations and research publications.

(12) Resolve any conflict between the Research Supervisor and the Research Scholar.

(13) Recommend the pre-thesis submission colloquium and to accord permission for the submission of the thesis, and

(14) In case the progress of the Research Scholar is not satisfactory, the RAC shall record the reasons for the same and suggest corrective measures. If the research Scholar fails to implement these corrective measures, the RAC may recommend with specific reasons the cancellation of registration of the Research Scholar.

(15) The RAC shall forward its recommendations to the Registrar, regarding the cancellation of the registration of the Research Scholar, the change of Research Supervisor/Co-Supervisor, use of other Research Center, change in Research area and topic and other matters related with the Research Programme. A copy of the same

shall also be sent to the Registrar (Evaluation).

(16) The decision of the RAC, if it is contrary to the provisions of these regulations, or otherwise, may be reviewed and necessary action taken by the Vice Chancellor.

(17) The Registrar shall arrange to place the recommendations of the RAC before the Vice Chancellor for its approval.

(18) Carry out such other duties as the Vice Chancellor may entrust from time to time.

23PHD 3.5. Research Quality Assurance Committee (RQAC)

RQAC is a Committee constituted by the Vice Chancellor for recognizing Research Supervisors from the various Faculty of Studies/Disciplines of the University or outside, as well as to ensure overall quality research and substantial research outcomes.

23PHD 3.5.1. RQAC Composition

The RQAC shall have the following composition:

(1) Vice Chancellor – Chairperson
(2) Deans of Respective Faculties. – Members
(3) One External Expert, nominated by the Vice Chancellor – Member
(4) One Head of the Research Centre or his nominee (If applicable) – Member
(5) One Internal Expert, nominated by the Vice Chancellor (optional) – Special Invitee
(6) Registrar (Evaluation) – Member
(7) Registrar. – Member Secretary
(8) Director, Research and Development, VTU – Member Convener

23PHD 3.5.2. The Scope of the Committee

(1) Approve eligible faculty, eminent scholars, scientists, or academicians from other Institutions either working or retired, as Research Supervisors of the University, as per Section 23PHD 5.0 of the Regulation.

(2) Ensure overall quality of the Research Process through interventions, as deemed fit. Interventions may be to,

- (i) Update the Regulations, as and when required,
- (ii) Review written entrance test question papers for quality and context,
- (iii) Review and bring in effectiveness of RAC to enable scholars for timely submission of thesis,
- (iv) Periodically obtain the feedback from the Research Supervisors and Research Scholars to identify the hurdles, if any, and bring in improvements in good practices,
- (v) Review the thesis title for correctness, area of research for relevance in the present-day context and format, subject coverage & language of thesis by intervening at appropriate stages.

(3) The RQAC shall act as an advisory body to the Vice Chancellor, with supervisory powers to ensure quality of publications and research work, but the decision of the Research Supervisor, the Dean and the RAC as specified under this regulation shall be final.

However, the Vice Chancellor in his wisdom, reserves the right to accept or defer the recommendations of the RQAC and his decision is binding to all concerned.

23PHD 3.6. Board of Examiners for final Viva –Voce Examination

(1) The Board of Examiners for final Viva –Voce examination shall be constituted by the Vice Chancellor for each Research Scholar soon after the receipt of favourable reports from all the Adjudicators. The Board shall have the following composition:

(i) Principal of the College affiliated to VTU/Chairperson of University Department/ Director, Principal or Dean (Architecture)/ Head or in charge Person of the Research Center located at State, Central, Private, Corporate Organizations/ Research laboratories/ Organizations/ Institutions. – **Ex-officio Chairperson**

(ii) Research Supervisor – **Member Convenor**

(iii) Co- Supervisor (s), if any – **Member**

(iv) Identified Adjudicator – **Member**

(2) The Board shall conduct the final viva-voce of the Research Scholar defending his/her Ph.D. Thesis.

(3) The board shall submit its detailed report in the prescribed format to the Registrar (Evaluation).

23PHD 3.7. Other Committees and Boards

(1) The Vice Chancellor may constitute any other necessary Committees/ Boards to redress difficulties that any of the Research Scholars may encounter during their regular functioning. The composition of the committee(s) may be as deemed necessary.

(2) The duties/responsibilities and other details of these Committees/ Boards shall be notified by the University as and when they are constituted.

23PHD 3.8. Faculty of Studies

(1) The University offers Degree in Doctor of Philosophy (Ph.D.) in the following Faculties and Specializations, including interdisciplinary Research.

Faculty of Studies	Specialization*
1) Faculty of Civil Engineering Sciences	(i) Civil Engineering (ii) Environmental Engineering (iii) Geology
2) Faculty of Mechanical Engineering Sciences	(i) Mechanical Engineering (ii) Industrial and Production Engineering (iii) Automobile Engineering (iv) Industrial Engineering and Management (v) Manufacturing Science and Engineering
3) Faculty of Electrical and Electronics Engineering Sciences	(i) Electrical and Electronics Engineering. (ii) Electronics and Communication Engg.

	(iii) Electronics and Telecommunication Engineering (iv) Electronics and Instrumentation Engg.
4) Faculty of Computer and Information Sciences	(v) Computer Science and Engineering (vi) Information Science and Engineering
5) Faculty of Technology	(i) Chemical Engineering (ii) Polymer Science (iii) Silk/Textile Technology (iv) Biotechnology (v) Food Technology. (vi) Bio-Medical Engineering (vii) Medical Electronics Engineering (viii) Mining Engineering (ix) Marine Engineering (x) Mechatronics Engineering (xi) Aerospace Engineering (xii) Nanotechnology
6) Faculty of Management	(i) Management
7) Faculty of Applied Sciences	(i) Physics (ii) Chemistry (iii) Mathematics (iv) Computer Applications
8) Faculty of Architecture	(i) Architecture
**The Admissions Committee shall recommend appropriate faculty for the award of Ph.D. Degree based on the profile of the Scholar, the specialization of the Research Supervisor, Research topic, etc. However, the above specializations are indicative only. This shall equally be applicable to cases belonging to other Faculties and specialization in unforeseen circumstances.*	

(2) The Degree shall be awarded in the Faculty of Studies and Specializations in which the Candidate registers for the Ph.D. programme with the approval of Admissions Committee.

23PHD 4.0. ADMISSION PROCESS

The admission to the Ph.D. Programme shall be as per the following Regulations:

23PHD 4.1. The admission shall be based on the criteria notified by the University, keeping in view the guidelines/ norms in this regard issued by the UGC and other statutory/ regulatory bodies concerned, and taking into account the reservation policy of the Central/State Government notified from time to time.

(1) Admission to the Ph.D. programme shall be made using the following methods:

i. University may admit students who qualify for fellowship/scholarship in UGC-

NET/ UGC-CSIR NET/GATE/CEED and similar National level tests based on an interview,

And/ Or

ii. University shall admit students through an Entrance Test, called "Visvesvaraya Technological University – Eligibility Test for Research (VTU-ETR)", conducted by the University to determine the candidate's aptitude for research.

(2) Universities and Colleges/Institutions which are eligible to conduct Ph.D. programmes, shall:

i. Notify a prospectus well in advance on the institution's website specifying the number of seats for admission, subject/discipline-wise distribution of available seats, criteria for admission, the procedure for admission, and all other relevant information for the candidates;

ii. Adhere to the National/State-level reservation policy, as applicable.

(3) The University shall maintain a list of Research Supervisors (specifying the name of the Supervisor, his or her designation, and the department/school/centre), along with the details of Research Scholars (specifying the name of the registered Research Scholar, the topic of his/her research and the date of admission) admitted through them, on the website of the University and update this list at the beginning of every academic year.

(4) Candidates desirous of upgrading their M. Tech. / M.Sc.(Engg.) by Research/ M. Arch. registration to Integrated Ph.D. Degree programme shall submit their research proposal to the University immediately after the announcement of the third Semester result, which shall be the basis to determine their research capabilities by the Admissions Committee and shortlist them to include in the admission process.

23PHD 4.2. Notification for Admission

(1) The admission to Ph.D. programmes shall be made twice in an academic year by the University.

(2) The University shall call for Applications for Admissions on its website and through advertisement in at least two National newspapers, of which at least one shall be in the regional language, covering:

(i) The procedure to be followed for Ph.D. admissions,
(ii) Eligibility requirements, i.e., 23PHD 2.0 to be satisfied for getting admitted,
(iii) Number of seats to be filled at each University approved Research Center,
(iv) VTU-ETR details: Dates, Centers, Syllabi etc., and how to apply,
(v) Calendar for pre-registration interview and other events,
(vi) Information on available Scholarships, assistantships, if any.

23PHD 4.2.1. Submission of Applications

Such Candidates satisfying the eligibility criteria specified in 23PHD 2.0 and desirous of taking admission to Ph.D. Programme shall submit their applications via the web link https://jnanashodha.vtu.ac.in for VTU–ETR.

23PHD 4.2.2. Exemption from VTU-ETR

(1) The following categories of Candidates shall be exempted from appearing at VTU-ETR with the prior approval of the Admissions Committee.
   (i) Full-time NRI/FN/PIO Candidates.
   (ii) Candidates selected under ADF/QIP / FIP.
   (iii) Candidates qualified in the UGC-NET(including JRF)/UGC-CSIR NET (including JRF) / SLET / GATE/ CAT or other similar National tests and having qualifying percentile/percentage scores in their respective validity periods.
   (iv) Candidates with M.Phil. Degree or equivalent as recognized by the University.
   (v) Candidates with valid VTU – ETR score.
   (vi) Candidates shortlisted under 23PHD 4.1(4).

(2) All eligible Candidates not covered under 23PHD 4.2.2(1) shall appear for the VTU-ETR. The percent score obtained by the Candidates in the VTU-ETR shall form the basis for preparing the merit list of successful Candidates which shall be valid for two academic years only.

23PHD 4.2.3. Setting Question Papers

(1) VTU – ETR question papers shall be set by the identified examiners appointed for this purpose by the Registrar and approved by Admissions Committee.
(2) The question paper shall be set for 100 marks.
(3) The question paper shall have multiple choice questions (MCQs).
(4) Board of Examiners of the University shall assist Registrar in obtaining the question papers set and scrutinized.
(5) Question paper setters and evaluators shall have Ph.D. Degree in the relevant field.

23PHD 4.2.4. Conduct of Examination, Evaluation and Preparing Merit List

(1) VTU-ETR shall be conducted by the University on a scheduled date and time at notified centers.
(2) The Entrance Test syllabus shall cover 50% content on research methodology, and the remaining 50% be subject- specific.
(3) All the Students who have secured 50% marks in the entrance test are eligible to be called for the interview. However, the University reserves it right to decide on the number of eligible students to be called for the interview based on the total number of Ph.D. seats available.
(4) A relaxation of 5% marks will be allowed in the entrance examination for the candidates belonging to SC/ST/OBC/differently-abled category, Economically Weaker Section (EWS), and other categories of candidates as per the decision of the UGC from time to time.
(5) Eligibility of Candidates for Pre-Registration Interview shall be as per the qualifying marks based on the scaled down marks of 70.
(6) The qualifying marks of the VTU – ETR shall be 50 % of the 70 marks in the case of General category and 45 % of the 70 marks in the case of SC/ST/OBC (Non-Creamy layers)/ Differently- abled category.

(7) Without disclosing the secured marks of the Candidates, the list of Candidates having a VTU-ETR score of ≥ 35 (50 % of the 70 marks) in the case of General category and ≥ 31 (45 % of the 70 marks) in the case of SC/ST/OBC (Non-Creamy layers)/Differently-abled category shall be announced on University Website.

23PHD 4.3. Submission of Application for Ph.D. Programme

(1) All eligible Candidates covered under 23PHD 4.2.2 (1) and those who have VTU – ETR qualified marks as per 23PHD 4.2.4 (6) shall upload,
   (i) the research proposal,
   (ii) preferably three names of Research Supervisors and Research Co- Supervisors (if required), based on the vacancy position available with each Research Supervisor and Research Co- Supervisor to accommodate fresh Scholars for guidance, as per the Table 1 under 23PHD. 5.3(6), and other details to the University website using the web link https://jnanashodha.vtu.ac.in.

23PHD 4.3.1. Pre-Registration Interview

(1) The scope of Pre- Registration interview shall be to judge,
   (i) The Candidate's knowledge and experience in the subject area concerned and his/her preparations to undertake the proposed research work.
   (ii) Whether the research work can be suitably undertaken at the Institution/College.
   (iii) Whether the proposed area of research can contribute to new/additional knowledge.

(2) The Admissions Committee shall arrange for the conduct of pre-registration interview, Faculty wise, through Expert Committees.

(3) For this purpose, the Vice Chancellor shall constitute Expert Committee for each specialization of the faculty to which the Candidates will be considered for admission, based on the Admissions Committee recommendation.

(4) The Expert Committee meetings for pre-registration interview shall be held on date/time and at venue(s) as decided by the Admissions Committee.
The same shall be notified, by the Registrar, to the Expert Committee(s) and shall be published on University website for the attention of Candidates concerned.

(5) The Pre-Registration interview shall be conducted for a maximum of 30 marks.

23PHD 4.3.2. Pre-Registration Interview performance

(1) Qualified Candidates who have applied for Full-Time/ Part–Time Ph.D. programme and called for Pre-Registration Interview shall present the research proposal (as per the Annexure-1) and answer questions raised by experts during Viva – Voce.

(2) The Expert Committee shall award the Pre-Registration interview marks, for the parameters specified in the University prescribed format (Annexure – 2) prepared for the purpose, and upload the final marks of the Candidates to the University website via the web link https://jnanashodha.vtu.ac.in.

23PHD 4.3.3. Merit Lists after Pre-Registration Interview

(1) The University shall prepare the merit list for the General Category and for all the Reserved Category Candidates, Faculty, and specialization wise, Research Center wise, as per format decided by the University.

(2) The University shall prepare two merit lists, one corresponding to those who have attended only the Pre-Registration Interview and the other corresponding to those who have qualified through the VTU – ETR marks and attended the Pre-Registration Interview.

(3) Merit list based on the pre – Registration Interview marks shall be for
   (i) the Candidates under ADF/QIP / FIP/ NRI/ FN/ PIO.
   (ii) the Candidates qualified in the UGC-NET (including JRF)/UGC-CSIR NET (includingJRF)/SLET/GATE/CAT or other similar national tests and having qualifying scores in their respective validity periods and Candidates with M.Phil. Degree.

(4) The merit list corresponding to those who have qualified through VTU – ETR marks (present and the previous) and attended the Pre-Registration Interview shall be decided by considering the sum of qualified VTU-ETR marks scaled down to 70 marks and the marks secured in the Pre- Registration Interview.
   Provided that for the selection of candidates based on the entrance test conducted by the University, a weightage of 70% for the entrance test and 30 % for the performance in the interview/ viva- voce shall be given.

(5) For cases where Candidates have same qualified marks, the tie shall be resolved by applying the following criteria one after the other till the tie is resolved.
   (i) First criterion: The Candidates with more marks in the VTU – ETR.
   (ii) Second criterion: Percentage marks/ CGPA at Postgraduate Degree.
   (iii) Third criterion: Percentage marks/ CGPA at Undergraduate Degree.
   (iv) Fourth criterion: Date of Birth (elder shall be placed on the top).
   In unforeseen situations, the decision of the Admissions Committee shall be considered final.

(6) On finalization of the merit lists by the Admissions Committee, after the approval of the Vice Chancellor, the Registrar shall notify the same on the University website.

23PHD 4.3.4. Policy for filling the vacancy positions.

(1) Following the reservation policy and the order of merit, the University shall allot the Research Supervisor/Co-Supervisor/ Research Center and decide the Faculty and the Specialization under which the Ph.D. Degree is to be awarded.

(2) Filling of vacancy positions by allotment of Research Supervisor(s) shall be in the following order for Candidates who are exempted from VTU – ETR but appeared for Pre-Registration interview.
   (i) Candidates under ADF/QIP/FIP/ NRI /FN/PIO.
   (ii) Candidates who have cleared national eligibility tests and those who are M.Phil. qualified.

The allotment in the above two cases shall be in the order of merit based on the Pre-Registration interview marks.

(3) The allotment of Research Supervisor/s for Candidates who are qualified in VTU – ETR (present and the previous) shall be based on the sum of qualified VTU – ETR marks and Pre- Registration Interview marks.

23PHD 4.3.5. Announcement of merit list for Admission

(1) The Admissions Committee shall forward the list of Candidates to be admitted to the Ph.D. programme along with the names of the Research Supervisor and Research Co - Supervisor (if any), Address of the Research Center, Faculty and Specialization (if any), to the Registrar.

(2) The Registrar shall communicate the list of selected Candidates to be admitted to the programme to each Research Center and publish the same on University website with aninstruction that the Candidates shall get admitted to the Ph.D. programme within 15 days from the date ('first last date') of publication of the list.

(3) Candidates not completing the process of admission, for any reason on or before the 'first last date' prescribed by the University, shall be entitled for an extension period of seven days ('second last date') subject to a penal fee of Rs.1,000/- payable to University.

(4) In case of any vacancy available after the last day of extended period of seven days ('second last date') for admission to the Ph.D. programme, the merit/waiting list shall be operated by the University and the admission shall be closed within 15 days ('third last date') form the 'second last date' with no further extension.

(5) In case, the seats allotted for SC/ST/OBC (Non Creamy layer)/Differently-Abled categories remain unfilled, the University shall launch a special admission drive for the said category within one month from the last day of 'second last date' for admission to Ph.D. programme.

(6) Candidates having grievance/s regarding allotment of Research Supervisor/ Research Co- Supervisor, Faculty under which the Ph.D. Degree shall be awarded may appeal with valid reasons to the Admissions Committee for consideration, through Registrar. The decision of the Admissions committee shall be final and binding on all concerned.

(7) No change of approved Faculty of Studies, selected by candidates listed under Section 23PHD 3.8, shall be permitted post Provisional Admission.

23PHD 4.4. Post Provisional Admission Activities

(1) On reporting to the Department/Research Center and upon successful interaction with the allotted Research Supervisor(s), each Scholar shall submit provisional Ph.D. registration acceptance, Research Proposal/Outline in the University prescribed format and University fees paid receipt for the provisional Ph.D. registration to the Registrar through the Research Centerconcerned for the purpose of provisional registration to the Ph.D. programme. Completing this formality within a specified time shall be mandatory for all the Research Scholars.

(2) The provisional registration of all the Scholars shall commence from the same date which shall be the next working day of last date prescribed by the University for closing the admission to the Research Programme.

(3) Principal of the College under VTU/ Chairperson of the University Department/ Director, Principal or Dean of Architecture College or School / Head or in charge Person of the Research Center located at State, Central, Private, Corporate Organizations/ Research laboratories/ Research Organizations/ Research Institutions shall submit to the Registrar the list of names, decided in consultation with the Research Supervisor(s), for constituting the RAC, as per 23PHD 3.4.1.1(3).

(4) Upon receiving the research proposal / outline, the panel of domain experts, proposed names of other members of the RAC and fees paid receipt for the University prescribed amount, the Vice Chancellor shall constitute the Research Advisory Committee as per 23PHD 3.4.1.

23PHD 5.0. ALLOCATION OF RESEARCH SUPERVISORS

Recognition of eligibile Research Supervisors, Co-Supervisors, Number of Research Scholars permissible per supervisor, allocation of Research Supervisor and if required, Research Co- Supervisor shall be done by the University following these Regulations.

23PHD 5.1. Eligibility for a Research Supervisor/ Co-Supervisor

(1) A full-time regular Faculty member working in a University approved Research Center located at University Department/ Constituent College/ affiliated College (Autonomous and Non-Autonomous)/ other Academic and Research Institutions and Scientist or Engineer working on regular basis in the University recognized research establishment or industry shall be eligible for recognition as Research Supervisor or Research Co-Supervisor, provided:

(i) He/she has Ph.D. Degree from a UGC recognized University in the relevant discipline (Engineering/Technology/ Physics, Chemistry, Mathematics and Geology/ Management Studies / Computer Applications/Architecture). A person with Ph.D. Degree from Foreign University shall submit an equivalence certificate obtained from Association of Indian Universities (AIU) for recognition as Research Supervisor/ Research Co-Supervisor.

(ii) He/she has a research experience of at least one academic year, after obtaining the provisional Ph.D. Degree.

(iii) He/she possess the Research publications to his/her credit as under:

a) **Professor Cadre:** Must have at least five research publications, of which one publication must be in a journal indexed under SCOPUS/SCI/WOS.

b) **Associate Professor Cadre:** Must have at least five research publications, of which one must be in a journal indexed under SCOPUS/SCI/WOS.

c) **Assistant Professor Cadre:** Must have at least three research publication of which one must be in a journal indexed under SCOPUS/SCI/ WOS.

Provided that in areas/disciplines where there is no, or only a limited number of

peer-reviewed or refereed journals, the University may relax the above condition for recognition of a person as Research Supervisor with reasons recorded in writing.

(2) The University shall recognize the Faculty as a Research Supervisor at the Research Centre attached to the University or its constituent college or the affiliated colleges, where the faculty member is employed. Such recognized Research Supervisors cannot supervise research scholars in other institutions, where they can only act as co-supervisors.

(3) The Ph.D. degree shall not be awarded by the University for a candidate under the supervision of a faculty member who is not an employee of the University or its constituent college or its affiliated Colleges or other Research Centers which would be a violation of these Regulations.

(4) Co-Supervisors from within the same department or other departments of the same institution or other institutions may be permitted with the approval of the Vice Chancellor.

(5) Adjunct Faculty members shall not act as Research Supervisors and can only act as co-supervisors.

(6) In case of interdisciplinary/ multidisciplinary research work, if required, a Co-Supervisor from outside the Department/ Faculty of Studies/ Research Centre/College/ University may be appointed.

(7) The Scientists employed in Central/ State Government research institutions, recognized as Research Centers by the University, possess qualifications certified as equivalent to that of Professor/Associate Professor/Assistant Professor by the University and if they fulfil the requirements specified in (1) above, shall be considered to be eligible Supervisors/ Co-supervisors.

(8) Faculty members with less than three years of service before superannuation shall not be allowed to take new research scholars under their supervision. However, such faculty members can continue to supervise Research Scholar who are already registered until superannuation and as a co-supervisor after superannuation, but not after attaining the age of 65 years.

23PHD 5.2. Procedure for Recognition as Research Supervisor/ Co - Supervisor

(1) The University shall invite applications, once in a year, on its website or by notification, from eligible faculty members, Scientists/Engineers and others as mentioned under 23PHD 5.1(1), for recognition as Research Supervisors/ Research Co-Supervisors.

(2) The prospective Research Supervisors/ Research Co-Supervisors shall enter the details in the VTU online format specified in the notification and submit a copy of the same, with all the necessary supporting documents to the Registrar.

(3) Acceptance or rejection of an application for Recognition as Research Supervisor/ Research Co-Supervisor shall be at the discretion of the University.

(4) The University has discretionary power of relaxing the eligibility conditions in case of deserving applicants having exceptionally good research profile with respect to number of patents filed/granted, research projects executed, grants received, etc.

(5) An Expert Committee under each Faculty, constituted by the Vice Chancellor shall scrutinize the applications received and recommend the names of the selected Research Scholars/ Research Co-Supervisors to the Registrar for necessary approval of Academic Senate and Executive Council.

(6) On approval by the University, each Research Supervisor/ Research Co-Supervisors shall receive an Office Order from the Registrar for having recognized him/her as a Research Supervisor/ Co-Supervisor.

(7) The list of Research Supervisors/ Co-Supervisors along with their research areas shall be updated periodically, notified to all the Research Centers, and widely publicized on the University website.

23PHD 5.3. Allotment of Candidates to Research Supervisors

The University shall strictly adhere to the following procedure while assigning Research Supervisors/ Co-Supervisors (if required) to the Candidates to be admitted at a Research Center.

(1) There shall be provision of allowing a Research Co-Supervisor in addition to Research Supervisor for a Research Scholar registered for the Ph.D. Degree at a Research Center.

(2) In the case of interdisciplinary subject area(s), a Research Scholar may have two Supervisors, of which one shall be designated as the Research Supervisor and the other as the Research Co- Supervisor.

(3) The Research Co-Supervisor shall be from the outside of the Department/ College/ Institution/Organization.

(4) Each Research Supervisor shall supervise/guide, either as a Supervisor or as a Co-Supervisor, a specified number of Scholars pursuing Ph.D./ M.S. (Research)/ Integrated Ph.D. programmes.

Thus, at a given point of time, the total number of Scholars registered under a Research Supervisor shall not be more than:

(i) Eight Scholars for a Professor/ Persons of Professor cadre working in University approved Research Centers.

(ii) Six Scholars for an Associate Professor/ Persons of Associate Professor cadre working in University approved Research Centers.

(iii) Four Scholars for an Assistant Professor/ Persons Assistant Professor cadre working in University approved Research Centers.

(5) At any point of time, the total number of Research Scholars under a Supervisor or a Co-supervisor, shall not exceed the number prescribed in Section (4) above, enforced along with Section (6) below, but excluding that permitted in Section 23PHD 2.4(1).

(6) Of the total number of Scholars permitted to be registered under a Research Supervisor as above, there shall be seats reserved for SC/ST/Category-1/specially-abled Scholars in each case as per the Reservation Policy of Government of Karnataka

(GOK).

The category wise distribution of Scholars shall be as indicated below in the Table – 1.

Table – 1
Allotment of Category wise Scholars to Research Supervisors of different cadre supervising/guiding as a Research Supervisor or Research Co-Supervisor.

Research Supervisor/ Research Co-Supervisor Cadre	Maximum number of Research Scholars permitted to be supervised /guided.(Research Scholars may be pursuing Ph.D./ M.S. (Research)/ Integrated Ph.D.)	General Merit Research Scholars	SC/ST/Cat -1 Scholars	Specially-abled or any other reserved category Scholars (i.e., IIA, IIB, IIIA and IIIB)	Foreign National Research Scholar/s *(Supernumerary)
Professor	08	04	02	02	**
Associate Professor	06	03	02	01	
Assistant Professor	04	02	01	01	
Scientists/Engineers	Allotment of Scholars shall be based on the concerned Organization's certified cadre equivalence of the Scientists/Engineers with respect to Professor/ Associate Professor/ Assistant Professor working in educational Institutions.				

** Each supervisor/co-supervisor can guide upto two international research scholars on a supernumerary basis over and above the permitted number of Research scholars as specified in Section 23PHD 5.3(5).

(7) The seats reserved for SC/ST/Category-1/specially-abled Scholars shall be mutually interchangeable as per UGC norms, but not transferrable to the General Pool.

(8) The University shall follow the Reservation Policy of GOI/GOK as applicable from time to time, for the total number of Scholars allotted to Supervisors in an academic year.

(9) Allocation of Scholars (new or transferred under change of Research Supervisor/ Research Co-Supervisor) to Research Supervisor/Co-Supervisor during an academic year shall not be more than 25% of the maximum permitted allocation,–i.e., two Scholars for Professor cadre, two for Associate Professor cadre and one for Assistant Professor cadre, in compliance with the Section 23PHD 5.3(5).

(10) New Research Scholars shall not be assigned to Research Supervisors/Co-Supervisors who have less than three years of service left before the age of superannuation.

However, allotment shall be made to such Supervisors who will be attaining the

superannuation, provided the Institution where the Research Supervisor/ Co-Supervisor is working and submits an under taking indicating that the concerned Research Supervisor/ Research Co-Supervisor shall be continued till the candidate completes his programme.

(11) The Vice Chancellor shall have the power to allocate additional research scholars to Supervisors as per 23PHD 5.3(9) on case to case basis.

23PHD 5.4. Responsibilities of Research Supervisors

(1) No Research Supervisor/ Research Co-Supervisor shall supervise his/her close relative or spouse for Ph.D. Degree of the University.

(2) A Research Supervisor/ Research Co-Supervisor recognized by the University shall not be a Research Scholar concurrently under this University.

(3) The Research Supervisors and Co–Supervisors shall adhere to the provisions of

a) VTU (Minimum Standards and Procedure for Award of Ph.D. Degree) Regulations – 2023 and to the amendments notified from time to time.

b) UGC/AICTE norms notified from time to time.

(4) Whenever the Research Supervisors/Research Co - Supervisors change the place of working, they shall inform the same to the University and update the information along with the age of superannuation at the new place of working.

(5) In case, a Research Supervisor fails to report the change of working place to the Registrar,the University shall initiate action for withdrawal of his/her recognition as Research Supervisor.

(6) In case, the University allots Research Scholar/s in special circumstances without the consent of the Research Supervisors/ Co - Supervisors, the Supervisors shall accept the responsibility of supervising the Research Scholar/s.

(7) Every Research Supervisor/ Co - Supervisor shall supervise at least one Research Scholar in a continuous period of five years or demonstrate his research interest by publishing at least five papers in technical journals. In case, the Supervisor fails to supervise or publish as mentioned, approval as a Research Supervisor/ Co - Supervisor shall stand withdrawn. In such a case, fresh registration shall be sought if required by the faculty members/ Scientists/Engineers by following the procedure specified under Section 23PHD 5.2.

23PHD 6.0. CONFIRMATION OF REGISTRATION

The Research Scholars shall register for requisite number of courses to earn the minimum credits specified, undergo comprehensive via-voce, undertake open seminars, publish papers, and successfully complete pre-submission colloquium, after which they are permitted to submit synopsis and the final thesis. The Regulations covering confirmation of registration and the above procedures are enumerated below.

23PHD 6.1. Schedule of events after Provisional Registration

(1) After provisional registration, the Research Scholar shall complete the following four parts in sequence, namely,

Part-I: Coursework
Part-II: Comprehensive Viva-Voce
Part-III: Open Seminars, Mandatory Publication of papers
Part IV: Pre-Submission Colloquium, and Submission of Synopsis covering all the chapters of the Thesis and Submission of Thesis.

These shall be followed by Thesis evaluation and its defense by the Research Scholar at the end.

(2) The Coursework by all Full-Time and Part - Time Research Scholars shall be completed as prescribed under 23PHD 6.2.

(3) All the Ph.D. registrations made at the time of the admission shall be provisional and shall be confirmed only on the successful completion of both Part-I and Part-II.

23PHD 6.2. Programme Coursework (Part – I)

(1) The coursework shall be treated as pre-requisite for preparing the Research Scholars to start research towards their Ph.D. Degree.

(2) All the courses prescribed for the coursework (Part – I) shall be completed in not more than four consecutive coursework examinations conducted by the University from the date of provisional registration of the Research Scholar.

(3) The provisional registration of such Research Scholars who fail to satisfy the above criteria shall be withdrawn. Such names shall be recommended by the RAC and, on approval from the Vice Chancellor, the Registrar shall notify the cancellation of registration of such Research Scholars on University website and intimate the same to Research Supervisor(s), Research Center, and the concerned Research Scholars.

(4) The number of courses to be completed in different Faculties of Studies as the requirement of coursework shall be as per Annexure- 3.

(5) The credit requirement for completing the Ph.D. coursework is a minimum of 12 credits from four domain specific courses and 18 credits for six domain courses including 'Research and Publication Ethics' and 'Research Methodology' courses as per Annexure -3. The Research Scholars shall complete the required domain specific courses, 'Research and Publication Ethics' and 'Research Methodology' courses either online through NPTEL or at their Institutions as recommended by the RAC and approval of the University. Each NPTEL courses having Teaching-Learning for 12-16 weeks shall be considered as 4 credits, 10-12 weeks shall be considered as 3 credits and less than 10 weeks and more than 4 weeks shall be considered as 2 credits for the purpose of total credit computation.

(6) Those registering for courses through online shall submit NPTEL course completion certificates.

(7) Other than 'Research and Publication Ethics', the remaining relevant research area courses of advanced level shall be selected from the University notified groups (Group -1 to Group -6, approved by the concerned BoS, the AS and EC) in consultation with

the Research Supervisor and Co -Supervisor (if any) and with the approval of the RAC concerned.

(8) Courses prescribed for the Coursework shall be selected from different groups in such a way that there shall be only one course selected from a group.

(9) Apart from the prescribed courses under coursework, the RAC along with the Research Supervisor can propose one or two optional audit courses that are essential to the Research work. The Research Scholar shall be evaluated in the optional audit courses by the Research Supervisor himself.

(10) Based on the recommendations of the RAC, addressed to Registrar, any change of registered course/s for which the Research Scholar has not appeared for the University coursework examination, shall be permitted within the period of first four consecutive coursework examinations conducted by the University from date of the provisional registration of the Research Scholar.

No permission shall be accorded for change of course/s for which the Research Scholar has already appeared for the University examinations and unsuccessful in completing the course/s.

University shall conduct examinations for the courses registered by candidates for their coursework twice during every academic year.

(11) All Research Scholars, irrespective of discipline, shall be required to be trained in teaching/ education/ pedagogy/ writing related to their chosen Ph.D. subject during their doctoral period. They may also be assigned 4-6 hours per week of teaching/ research assistantship for conducting tutorial or laboratory work and evaluations.

(12) The University shall reserve its right to revise and notify the approved courses in the group(s) from time to time.

(13) Candidates admitted to the Integrated Ph.D. programme shall be exempted from all the coursework, provided they have already earned the required credits in the mandatory courses "Research Methodology" and "Research and Publication Ethics" in M.E./ M. Tech./ M.Sc.(Engg.) by Research/ M. Arch. Programmes; otherwise, they shall register and earn the required credits in "Research Methodology" and "Research and Publication Ethics" Courses.

23PHD 6.3. Teaching- Learning Process for Coursework

(1) Each Research Center shall make arrangements to conduct offline/online/blended classes for the courses of the coursework (except for 'Research and Publication Ethics'). All courses prescribed for the Ph.D. coursework shall be in conformity with the credit hour instructional requirement and assessment methods. For learning, the Research Scholars can also opt for the courses offered by VTU's e-Learning Center/ SWAYAM/ NPTEL, etc.

(2) (i) The University shall arrange the course on 'Research and Publication Ethics' (RPE) at one or more of its campuses as often as required and the provisionally registered Research Scholars shall mandatorily attend the course. The Research Scholars shall pay the prescribed University tuition fees before registering for the course.

(ii) The University examination in RPE shall be conducted along with the other coursework examinations.

(3) The Registrar shall notify the calendar regarding the coursework classes to be conducted by the Research Centers.

(4) Each course of the prescribed coursework (Part – I) shall be evaluated through an examination conducted by the University for a maximum mark of 100. The minimum marks for a pass in the University examination shall be 55 % of the maximum marks of the paper.

Letter Grade and corresponding Grade Points on a typical 10 – Point scale						
Letter Grade	**O**	**A+**	**A**	**B+**	**B**	**F**
	Outstanding	**Excellent**	**Very Good**	**Good**	**Average**	**Fail**
Grade Point	10	9	8	7	6	5
% of Marks Secured	90-100	80-89	70-79	60-69	55-59	Less than 55

(5) For assigning the grades to the marks secured in a course by Research Scholars, the following letter grades shall be used.

(6) A Research Scholar must obtain a minimum of 55% marks or its equivalent grade in the UGC 10-point scale in the course work to be eligible to continue in the programme and later submit his/her thesis.

(7) The University shall issue Grade Card to the Scholars every semester indicating the result for the registered courses.

(8) Not registering for any of the consecutive coursework examinations conducted by the University or absenting to an examination after registering for a course/s to appear in the examination, shall be considered as an attempt.

(9) The minimum attendance to be satisfied by a Research Scholar in a course shall be 75%. This shall be certified by the RAC in its half yearly report.

(10) In case the Research Scholar fails to satisfy the attendance requirement of any course(s), the Research Scholar shall have the opportunity to repeat the teaching –learning process subjected to the condition under Section 23PHD 6.2.(2) above.

(11) The Research Scholars shall submit the applications with the relevant examination fees to appear for the University Coursework Examination as and when notified by the University.

23PHD 6.4. Coursework Question Papers setting

(1) Coursework question papers shall be set by the identified examiners appointed for this purpose by the Registrar (Evaluation) with the support of concerned Chairperson, BOE.

(2) Each question paper shall be set for a maximum mark of 100 and it shall have the standard and pattern as prescribed for the Master's Degrees programmes of the University.

(3) The question paper setters and answer script valuators shall have Ph.D. Degree and expertise in the relevant field.

23PHD 6.5. Evaluation of Coursework Answer Scripts

(1) Coursework answer scripts of all the Research Scholars shall be evaluated independently by two valuators.

(2) If the difference between the marks awarded by the two valuators is ≤14%, the marks awarded to the script shall be the average of the two valuations.

(3) If the difference between the marks awarded by the two valuators is ≥ 15%, a third examiner shall be appointed to evaluate the answer script concerned. The average of the marks of the nearest two valuations shall be awarded to the answer script. However, if one of the three evaluations is exactly midway between the other two, then the higher two marks shall be taken for averaging and the resulting average shall be awarded to the answer script.

23PHD 6. 6. Confirmation of Ph.D. Registration and Notification

(1) After the successful completion of coursework (Part-I) and the Comprehensive Viva- Voce (Part-II), the RAC, along with all the relevant documents, shall recommend to the Registrar for issuance of notification to the Scholar on Confirmation of Registration.

(2) On receiving the recommendations of the Admissions Committee, the Registrar shall issue the confirmation Notification.

(3) The Notification shall specify the date from which the registration for the Ph.D. programme is confirmed for the concerned Research Scholar.

23PHD 6.7. Full-Time and Part-Time Scholars Responsibilities

The University admits candidates for research programmes on Full-Time and Part-Time basis subjected to the conditions under Sections 23PHD 2.2 and 23PHD 2.3. Full-Time Research Scholars have additional academic responsibilities as compared to Part-Time scholars.

23PHD 6.7.1. Full-Time Ph.D. Fellowships

(1) The Full -Time Research Scholars admitted to University PG Centres at Belagavi, Muddenahalli, Mysore and Kalaburagi, will be offered Ph.D. fellowships as per the University norms.

(2) The Full-Time Research Scholars will be eligible for a contingency grant as decided by the University from time to time. On the approval of the Research Supervisor and the University, the research scholar shall utilize the contingency grant for the following purposes:

a) Purchase of books, subscription to professional journals, photo copying, purchase of computer and accessories, chemicals, electronic components, stationery, and postage etc., needed for the research work.

b) Expenses towards travel for fieldwork and data collection.

c) Expenses towards research work carried out in laboratories, research centers, etc. outside the University.

d) Registration charges and travel expenses for attending conferences, seminars, workshops, training programs etc., and

e) Secretarial assistance in the case of 'Differently-Abled' Scholars.

(3) Candidates under Full-Time category shall submit an undertaking to complete the research and submit the Thesis or to complete the minimum duration of three years.

(4) In case the Research Scholar leaves the Ph.D. programme without permission before submission of Thesis or completion of three years, he shall repay the Ph.D. Fellowship/contingency grant received from the University till that date. The University reserves the right to take necessary action to recover the grants from defaulting persons.

23PHD 6.7.2. Duties and Responsibilities of Full-Time Research Scholars

(1) The Full-Time Research Scholars are required to work effectively towards completion of their Ph.D. programme within the stipulated period and are expected to devote at least 2/3rd of their daily time for Ph.D. research work.

(2) The Research Scholars are required to learn the existing theories, practices, and research methods of the discipline and to apply them in their research work.

(3) All Research Scholars are expected to demonstrate highest integrity and maintain ethical standards in all aspects of their work, especially in the tasks of collecting, analyzing, and presenting research data. Special care shall be taken to follow guidelines established by the University.

(4) The Research Scholars shall assist a faculty in the Faculty of Studies/ Department in teaching and/ or other academic activities and utilize this experience to enhance his/ her own professional efficiency.

(5) The Research Scholars shall involve in the development of curriculum and learning resources for UG/ PG courses along with the faculty members, if necessary, in the respective Faculty of Studies/ Department.

(6) The Research Scholars must contribute wherever possible to the Co-curricular and Extra-curricular activities of the University and engage in scholarly discourse of the discipline through presentations and publications. He/she should attend and participate in appropriate Seminar/ Conference/ Workshop/ Symposium/ Colloquium/ Training Program etc. and must carry the University affiliation during the tenure of fellowship in all their research publications, either individual or joint.

(7) The Research Scholars are expected to co-ordinate and take leading role in all academic activities along with the faculty members in organizing Seminar/ Conference/ Workshop/ Symposium/ Colloquium/ Training Program etc.

(8) The Research Scholars may help faculty members to prepare a variety of professional and career roles and responsibilities and may also mentor their juniors.

(9) No Research Scholar will be allowed to involve in examination/evaluation related duties.

(10) Research and Consultancy services shall be undertaken during the tenure of fellowship either independently or jointly with the faculty member of the respective Faculty of Studies/Department. He shall involve in promoting industry-institution interaction to inculcate professionalism.

(11) The Research Scholars are expected to understand and learn academic and administrative management of the institution by involving in the design and

development of new programmes, preparing project proposals for funding etc.

(12) This includes participation by Research Scholars in programs such as interaction between institution-industry-society, community development programs of the University, providing research based support to rural communities and other agencies involved in rural development, providing non-formal education to the community, involve in entrepreneurial activities, dissemination of knowledge and technical support in areas of social relevance.

(13) All Research Scholars must take personal responsibility of being informed and complying with regulations and policies of the University and to complete all required paperwork and other obligations within a stipulated time as prescribed by the University.

(14) All Research Scholars are required to spend their three-years tenure fellowship in the University campus. Hence, joining any organization/ institution for full time or part time employment is not permitted during the tenure of the fellowship.

(15) The above list is only indicative. The Research Scholars shall perform and complete any specific activities assigned by the Dean of the respective faculty of Studies from time to time with the concurrence of the University.

23PHD 6.7.3. Duties and Responsibilities of Part-Time Research Scholars

(1) The Part-Time Research Scholars are required to work effectively towards completion of their Ph.D. programme within the stipulated period and are expected to devote at least 50% of their daily time for Ph.D. research work.

(2) The Research Scholars are required to learn the existing theories, practices, and research methods of the discipline and to apply them in their research work.

(3) All Research Scholars are expected to demonstrate highest integrity and maintain ethical standards in all aspects of their work, especially in the tasks of collecting, analyzing, and presenting research data. Special care shall be taken to follow guidelines established by the University.

(4) He/she should attend and participate in appropriate Seminar/ Conference/ Workshop/ Symposium/ Colloquium/ Training Program etc. and must carry the University affiliation in all their research publications, either Individual or Joint.

(5) A Research Scholar will be allowed to involve in examination or evaluation related duties with prior permission from the University.

(6) Research and Consultancy services may be undertaken either independently or jointly with the faculty member of the respective Faculty of Studies/ Department. He shall also involve in promoting industry-institution interaction to inculcate professionalism.

(7) Research Scholars shall participate in programs such as interaction between institution-industry-society, community development programs of the University, providing research based support to rural communities and other agencies involved in rural development, providing non-formal education to the community, supporting entrepreneurial activities, dissemination of knowledge and technical support in areas of social relevance.

(8) All Research Scholars must take personal responsibility of being informed and

complying with regulations and policies of the University and to complete all required paperwork and other obligations within a stipulated time as prescribed by the University.

(9) The above list is only indicative. The Research Scholars shall perform and complete any specific activities assigned by the Dean of the respective faculty of Studies from time to time with the concurrence of the University.

23PHD 7.0. RESEARCH PROGRESS ASSESSMENT

Starting from confirmation of admission to satisfactory completion of the research work by the Research Scholar, the Dean along with the Research Supervisor shall offer requisite guidance and continuously monitor his/her progress.

23PHD 7.1. Periodic Review by the Research Advisory Committee and Progress Reports

(1) (i) The RAC shall review the research progress of the Research Scholar for every six months until the submission of the final Thesis.

(ii) The Committee shall consider both the research progress and the residence period for the declaration of half yearly report to be satisfactory in case of Part-Time Scholars.

(iii) The Committee shall endorse the residence period certificate (with the starting and end dates mentioned) issued by the Research Supervisor and attach the same with its half yearly report.

(iv) In case, the Part-Time Research Scholar has not satisfied the residence period, the half yearly report shall be marked 'not satisfactory'.

(2) Each Research Scholar shall submit a research progress report in the format specified by the University to the RAC, two weeks prior to the schedule of the meeting. The half-yearly progress report shall cover the aspects such as, new data collected/ obtained, techniques developed, progress in research, discussion of the work done during the review period, new findings, and work plan for next six months. Research papers prepared/ published, if any, shall also be submitted.

(3) The Research Scholar shall make oral presentation of his progress before the RAC.

(4) The RAC shall communicate the progress or otherwise of the Research Scholar to the Research Center for uploading the same to the website https://jnanashodha.vtu.ac.in.

23PHD 7.2. Cancellation of Pre –Registration to Ph.D. programme

(1) The RAC shall be free to recommend the cancellation of Pre – Registration to Ph.D. programme of the Research Scholar if,

(i) Two consecutive research progress reports are not adjudged to be satisfactory, and/or

(ii) Two consecutive research progress reports are not submitted.

(2) Before recommending the cancellation of registration, the RAC shall issue a show-cause notice to the Research Scholar, seeking explanation.

(3) Based on the explanation submitted by the Research Scholar, the RAC shall decide

favourably or otherwise and communicate its decision to the University and to the Research Scholar. If the Research Scholar is not satisfied with the decision, he/she may appeal, through the Registrar, to the Vice Chancellor with valid reasons, seeking intervention. The decision of the Vice Chancellor in this regard shall be final.

23PHD 7.2. Comprehensive Viva- Voce (Part – II)

23PHD 7.2.1. Requirements to be satisfied for Comprehensive Viva-Voce

(1) Full-Time Scholars shall appear for the comprehensive Viva-Voce after Four months and Part-Time Scholars shall appear for the comprehensive Viva-Voce after six months from the date of completion of all the courses of the coursework.

(2) For whatever reason(s), if the comprehensive Viva-Voce is not completed within three years from the date of provisional registration in the case of Full-Time Research Scholars, and within four years from the date of provisional registration in case of Part-Time Research Scholars, their admission shall stand automatically cancelled.

23PHD 7.2.2. Scheduling Comprehensive Viva-Voce

(1) The Research Center, on receipt of the written request from the Research Scholar for the conduct of comprehensive Viva-Voce, shall write to the Registrar seeking permission.

(2) The Research Center, in consultation with the RAC, shall schedule the date/time for the comprehensive Viva-Voce on receipt of the written permission from the Registrar.

23PHD 7.2.3. Conduct of Comprehensive Viva-Voce

(1) The RAC shall conduct the comprehensive Viva-Voce in English language only.

(2) The comprehensive Viva-Voce shall be a closed-door oral examination open to the RAC members (as examiners), and the Research Scholar.

(3) The RAC shall be free to invite additional examiner(s) if required for assisting it in the Viva-Voce. The additional examiner (s) shall be chosen, by the Chairperson of the RAC, from a panel of two or more experts recommended by the Research Supervisor(s).

23PHD 7.2.4. Content and Form of Comprehensive Viva-Voce

(1) The Comprehensive Viva-Voce shall consist of a presentation by the Research Scholar on his/her topic of research, including the work done till date and the proposed future work.

(2) The RAC and the additional examiner(s), if present, shall test the Research Scholar for fundamental concepts in the coursework and applied knowledge to carry out the proposed research work further.

23PHD 7.2.5. Performance Standards at Comprehensive Viva-Voce

The RAC shall communicate the result of a Research Scholar in the Comprehensive Viva-Voce to the Registrar through the Research Center as:

(1) The RAC is satisfied at the successful completion of Comprehensive Viva-Voce and

shall continue the research work.

OR

The RAC has indicated the deficiencies in specific areas in which the Research Scholar needs strengthening of knowledge and is suggesting a date preferably within the next three months for Comprehensive Viva-Voce.

(2) The RAC suggests a change in Research area/ Topic/ Research title for consideration, which shall be made as per applicable Sections under 23PHD 11.12 and 23PHD 11.13.

(3) If the RAC does not recommend the continuation of research work even after the second attempt of Comprehensive Viva-Voce, the provisional registration shall stand cancelled automatically, without the issuance of a notice.

(4) The recommendation for cancellation of the provisional registration by the RAC shall be addressed to Registrar.

(5) On receiving the proceedings of the RAC regarding the recommendation of cancellation of the provisional registration, the Registrar shall place the same before the Admissions Committee for its considerations and further action.

23PHD 8.0. THESIS EVALUATION AND ADJUDICATION

Upon satisfactory completion of course work and obtaining the marks/grade prescribed above, the Research Scholar shall be required to undertake research work and produce a draft Thesis followig the procedures listed below. Finally, the Adjudicators shall evaluate the Thesis and make recommendations for award of the degree.

23PHD 8.1. Open Seminars, Mandatory Publications and Pre-Submission Colloquium (Part-III)

The Research Scholar shall give open Seminars, publish minimum number of technical papers, required under Part-III, and attend Pre-Submission Colloquium before finalizing the Thesis.

23PHD 8.1.1 Open Seminars

(1) Prior to the submission of the Synopsis covering all the chapters of the Thesis (required under Part-IV), each Research Scholar shall give two pre-Ph.D. presentations, commonly known as open seminars before the RAC at the Research Center.

a) The first open seminar shall be held only after Four months from the date of successful completion of Comprehensive Viva-Voce.

b) The second open seminar shall be held only after Two months from the date of first open seminar.

(2) These Seminars shall be open to all the faculty members and other Research Scholars arranged with the objective of getting feedback and comments/suggestions from them, for being suitably incorporated into the Ph.D. Thesis, under the advice of the Research Supervisor/Co-Supervisor.

(3) The RAC shall upload the proceedings of each seminar to web link https://jnanashodha.vtu.ac.in.

23PHD 8.1.2. Mandatory Publications

1) Each Research Scholar shall publish minimum of one (01) research paper in Quartile Indexed Journals: Q1-Q3 based on his/her research work for the Ph.D. Degree, prior to the Pre-Submission colloquium and produce evidence for the same, to the RAC, in the form of reprint or acceptance letter/s from the Publisher(s) of the Journal.
2) Each published paper should have the Research Scholar and Research Supervisor names cited, to satisfy the above clause and to be considered as eligible for submission of thesis.
3) The Research Scholars shall also furnish DOI/ORCID/Google Scholar ID along with the reprint of published papers or acceptance letter/s from the Publisher(s) of the Journal.

23PHD 8.1.3. Pre-Submission Colloquium

1) Upon qualifying successfully in the Coursework and the Comprehensive Viva-Voce, and satisfactory research progress followed by Open Seminars, publication(s) in Quartile Indexed Journals: Q1-Q3, the Research Scholar shall submit to the RAC a Synopsis in English language and conforming to the standard format prescribed by the University, at least three months prior to the submission of the Thesis and request for Pre-Submission Colloquium.
2) The synopsis shall summarize the original research work and findings of the Research Scholar, including the publications resulting from the Research work.
3) The Research Scholar shall present a pre-submission colloquium before the RAC, demonstrating his/her preparedness to submit the Synopsis for the process of adjudication.
4) On satisfactory performance at the Pre-Submission Colloquium, the RAC shall permit the Research Scholar to submit the Synopsis covering all the chapters of the Thesis followed by Ph.D. Thesis. The Synopsis shall be attached with the plagiarism report obtained at the University/ Research Center.
5) If the performance of the Research Scholar in the Pre-Submission Colloquium is not satisfactory, the RAC may point out the deficiencies, and instruct to repeat the Colloquium within three months.
6) In case, the performance at the second Pre-Submission Colloquium is not satisfactory the RAC, subjected to provisions under Section 23PHD 1.2, shall be free to permit the Research Scholar to repeat the Colloquium for the third and last time within three months.
7) In case, the performance at the third Pre-Submission Colloquium is also not satisfactory, no further chance shall be given to pursue the programme and the registration shall stand cancelled automatically, without issuance of a notice.

23PHD 8.2. Minimum Period for Submission of Thesis by Full-Time Scholars

Minimum duration of Full-Time Ph.D. programme and the Integrated Ph. D.

Programme, shall be three (03) years, including the coursework, subject to fulfillment of all the prescribed requirements of the programme. Full-Time Research Scholars shall be eligible for submission of Thesis after a minimum period of three (03) years from the date of admission.

23PHD 8.3. Maximum Period for Submission of Thesis by Full-Time Scholars

The maximum period for submission of the Ph.D. Thesis shall be six (06) years from the date of admission for all Full-Time Scholars, including those admitted for Integrated Ph.D. Programme.

23PHD 8.4. Minimum Period for Submission of Thesis by Part-Time Scholars

Minimum duration of Part-Time Ph.D. programme shall be four (04) years, including the coursework, subject to fulfillment of all the prescribed requirements of the programme. Part-Time Research Scholars shall be eligible for submission of Thesis after a minimum period of four (04) years from the date of admission.

23PHD 8.5. Maximum Period for Submission of Thesis by Part-Time Scholars

The maximum period for submission of Thesis shall be six (06) years from the date of admission.

23PHD 8.6. Submission of Thesis before the prescribed minimum Period of the Ph.D. programme

A Research Scholars, who complete the research work much before the prescribed minimum period of Ph.D. programme prescribed under 23PHD 8.4 or 23PHD 8.6, may request the Registrar (Evaluation) for permission to submit the thesis provided they satisfy most of the following or any other valid issues raised by the Research Policy Apex Committee.

(i) The research work is original and significantly adding knowledge to the research field.
(ii) Four or more papers are published in IEEE Transactions/ Scopus/ SCI/ WOS indexed journals.
(iii) The research has resulted in a real-time product.
(iv) The research work has resulted in patents, awards, etc.

The permission shall be subject to the decision of Research Policy Apex Committee and is binding on all concerned.

23PHD 8.7. Extension of Maximum Period for Submission of Thesis and other provisions (Common to both Full-Time and Part-Time Scholars)

(1) The Vice Chancellor shall have the powers to extend the maximum period for submission of the Ph.D. Thesis by such Research Scholars who have made considerable progress in research but are unable to submit Thesis within the permissible maximum period of the Ph.D. programme.
(2) The extension period shall be two years beyond the maximum period on specific

recommendations of the RAC forwarded through the Research Center to the Registrar, Provided the request for extension from the Research Scholar is received not less than three months prior to the completion of the maximum programme period. the Registrar (Evaluation) on approval of the Vice Chancellor, shall permit the Research Scholar to submit the Thesis after paying a penal fee of Rs 20,000/- (Rupees Twenty thousand only) and extending the maximum period of the programme by two years; such that the number of years after extension shall be within 8 years from the date of provisional registration.The decision of the Vice Chancellor in this regard shall be final.

(3) In case the request is not received before three months prior to the completion of the maximum programme period or received after the maximum programme period, the Registrar (Evaluation) on approval of the Vice Chancellor, shall permit the Research Scholar to submit the Thesis after paying a penal fee of Rs 30,000/- (Rupees Thirty thousand only) and extending the maximum period of the programme by two years; such that the number of years after extension shall be within 8 years from the date of provisional registration.The decision of the Vice Chancellor in this regard shall be final.

(4) In case of failure of the Research Scholar to submit the Thesis by the end of the extended period, the registration shall be cancelled without the issuance of notice.

23PHD 8.2. Submission of Synopsis and related Documents

1) On satisfactory performance at the Pre-Submission Colloquium, the RAC shall first submit one hard copy as per checklist. The synopsis shall also be accompanied with the documents specified in Annexure - 4.
2) Along with the Synopsis, the Research Center shall arrange to forward to the Registrar (Evaluation) a panel containing details of twelve experts under two groups namely Group –A and Group – B, for adjudication of the thesis as approved by the RAC. Each group shall have six Adjudicators. The list of proposed Adjudicators shall not have the names of the domain experts serving the concerned RAC.

   Group – A: The Adjudicators shall be from outside the University and outside ~~of~~ the University approved Research Centers located at Research and industrial organizations. The six Adjudicators shall be from IISc/ IIT/ IIM/ IIIT/ NIT/ State Government and Central Government Universities(NIRF Ranking)/ reputed National Laboratories and National Research organizations within the country.

   Group – B: The six Adjudicators shall be, in any proportion, from IISc/ IIT/ IIM/ IIIT/ NIT or foreign Universities figuring in top 500 of Times Higher Education (THE) ranking list and/or Quacquarelli Symonds (QS) World University ranking list.
3) While proposing the names of the Adjudicators for evaluation of Thesis, the Research supervisor shall ensure that the Adjudicators belonging to both Group – A and Group – B are involved in active Research in the specialization field of the Research Scholar and belongs to the following cadre.
   (i) Adjudicators from IISc/IIT/IIM/IIIT/NIT /State Government and Central Government Universities: shall belong to the cadre of Professor or Associate

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Professor.

(ii) Adjudicators from National Laboratories and National Research Organizations within the country: shall be Grade 'C' and above with Ph.D. degree. This shall be supported by a certified copy issued by the concerned authority.

4) The proposed panel of Adjudicators shall be accompanied with at least three papers (documented in peer reviewed journals of repute/UGC CARE journals indexed in Scopus/ SCI/ WOS) of each Adjudicator.
5) The broad area of specialization of each Adjudicator along with Open Researcher and Contributor ID (ORCID)/Google Scholar ID shall be provided in the panel submitted.

23PHD 8.3. Submission of Thesis

23PHD 8.3.1. On verification, that the Research Scholar has satisfied all the requirements of the Ph.D. programme, produced all relevant documents and no due certificates, the Registrar (Evaluation) shall permit submission of the Thesis for Adjudication.

1) The documents shall be submitted as per the checklist specified at the University Website [Annexure 4]
2) Prescribed Thesis adjudication fees shall be paid to the University.
3) In case the Scholar is unable to submit the Thesis within three months from the date of approval by the Registrar (Evaluation) and the maximum duration specified in 23PHD 1.2 is exceeding, extension of time for submission may be requested through a letter addressed to the Registrar (Evaluation). The letter shall be endorsed by the recommendations of the Research Supervisor(s) and the RAC and forwarded through the Research Center.

23PHD 8.3.2. Anti-Plagiarism Check Report

The process of plagiarism check shall be as follows:

1) The University shall check for plagiarism through a specified licensed software.
2) The plagiarism check shall be carried out as per "VTU (Promotion of Academic Integrity and Prevention of Plagiarism) Regulations, 2023" as applicable to the evaluation of thesis of Ph.D. degree.
3) If the plagiarism report is within accept limit, then the thesis will be processed further. Otherwise, Research Scholar shall be intimated on the status for further updating of thesis to comply with the anti-plagiarism Regulations.
4) The Research Scholar shall have a maximum of three instances to submit and resubmit the thesis after which the thesis shall rejected,
5) Suitable fees shall be charged for Anti-Plagiarism Check Report by the University for each Plagiarism check conducted.

23PHD 8.4. Adjudication of Ph.D. Thesis

1) The intervening period available between the submission of Synopsis and the Thesis by

the Scholar shall be used by the Registrar (Evaluation) for deciding the Adjudicators.

2) The Vice Chancellor shall choose one Adjudicator each from Group–A and Group–B following the procedure specified under Section 23PHD 8.2, for adjudication of the thesis, and the Registrar (Evaluation) shall send invitation letters to them along with a copy of the Synopsis covering all the chapters of the Thesis.
3) Adjudicator's acceptance shall preferably be obtained within 15 days from the date of invitation, before proceeding further on the subject.

23PHD 8.4.1. Appointment of Adjudicators

The panel of Adjudicators for the Thesis shall be the Research Supervisor, Co-Supervisor, if any, and two more Adjudicators identified as per 23PHD 8.4 (2) and (3) and approved by Vice Chancellor.

23PHD 8.4.2. Dispatch of Copies of Thesis to Adjudicators

1) The University shall send softcopy of the Thesis to each Adjudicator for evaluation, with a request to evaluate the Thesis and send the evaluation report(s) preferably within a period of 45 days.
2) If the Report is not received from an Adjudicator within this period, a reminder once in every 15 days to that effect shall be sent to the Adjudicator concerned.
3) If any Adjudicator does not send the report even after two reminders or does not reply to the communications from the University, the Vice Chancellor shall identify and appoint another Adjudicator, selected from the appropriate Group - A or Group – B or from outside the Groups under special circumstances.

23PHD 8.4.3. Receipt of Thesis Reports at the University

1) All the adjudicators shall evaluate the Thesis and send their reports (comprised of at least 250 words) independently to the Registrar (Evaluation). However, it shall be possible to submit a Joint Report in the case of Research Supervisor and Research Co-Supervisor adjudicating a Thesis.
2) The Reports shall include:
   (i) A critical analysis of the work as embodied in the Thesis and an evaluation of the work in terms of its contribution to the advancement of knowledge.
   (ii) List of questions to be asked or points to be clarified if any, at the final Viva -Voce.
   (iii) A definite recommendation as to whether the Thesis attains the standard for the award of Ph.D. Degree or not.
3) The Adjudicators shall make any one of the following recommendations that the:
   (i) Thesis is accepted in the present form and recommended for the award of Ph.D.Degree.

OR

   (ii) Thesis needs minor clarifications indicated in the report which need to be clarified at the final Viva-Voce and it is recommended for the award of Ph.D. Degree.

OR

(iii) Thesis needs minor corrections to be made as indicated in the report, which need to be incorporated in the Thesis and clarified at the final Viva-Voce and it is recommended for the award of Ph.D. Degree.

OR

(iv) Thesis needs major corrections as indicated in the report and the revised Thesis to be referred to the Adjudicator concerned for fresh evaluation.

OR

(v) Thesis is rejected for the reasons specified in the report and not recommended for award of Ph.D. Degree.

23PHD 8.4.4. Rejection of Thesis, based on Unfavorable Reports

1) If both the external Adjudicators do not recommend for the award of the Ph.D. Degree, the Thesis shall be rejected.
2) The Registrar (Evaluation) shall forward this information to the Registrar to place before the Executive Council for its approval the cancellation of registration of the Scholar to Ph.D. programme in view of the rejection of Thesis by the external Adjudicators.
3) On approval of the EC, the Registrar shall notify the cancellation of registration on University website and intimate the same to Research Supervisor(s), Research Center, and the concerned Research Scholar.

23PHD 8.4.5. Appointment of Additional Adjudicator, if necessary

1) The Thesis shall not be accepted for award of the Degree if any one of the external Adjudicators finds that the research work presented in the Thesis is not up to the expected standard, as given in his/her report along with detailed reasons for the same.
2) In such a case, with the approval of Vice Chancellor, another external Adjudicator from Group – B (the third external Adjudicator) shall be appointed by the Registrar (Evaluation) and invited for evaluating the Thesis.
3) If the third external Adjudicator, after evaluating the Thesis gives a favorable Report, the Registrar (Evaluation) shall initiate further steps to conduct final Viva – Voce examination.
4) If the third external Adjudicator also rejects the Thesis, then the Thesis shall not be accepted, and the Ph.D. registration of the Scholar shall be cancelled.

The University shall follow the due process of cancellation according to clause (2) and (3) of Sections 23PHD 8.4.4.

23PHD 8.4.6. Consideration of Favorable Thesis Reports

1) On receiving the favorable recommendations from all the appointed Adjudicators, the Registrar (Evaluation) shall send copies of the Reports to the Research Supervisor, permitting the conduct of final Viva- Voce.

23PHD 8.5. Conduct of Final Viva-Voce

1) The composition of the Viva-Voce Board shall be as specified under 23PHD 3.6.

2) The Research Supervisor-shall fix the date, time, and venue for the Final Viva-Voce in consultation with the members of Board of Examiners for Final Viva – Voce Examination along with the Research Scholar.
3) The Research Supervisor shall inform the Registrar (Evaluation) about the date, time, and venue for the Viva-Voce.
4) In case, the University identified Adjudicator informs in writing his/ her inability to be present at the scheduled Viva-Voce, the Research Supervisor shall intimate the same to the Registrar (Evaluation), who, with the approval by the Vice Chancellor, shall appoint another examiner selected from Group – B, or another examiner from the same field to conduct final Viva-Voce.
5) The final Viva-Voce shall be conducted by the Board of Examiners at the venue approved by the Registrar (Evaluation), which shall, normally be the Research Center in which the research work was carried out or the Regional Center of the University or the Institution where the Research Supervisor/ Co-Supervisor is employed.
6) The Research Supervisor shall invite the members of the teaching staff and other Research Scholars to attend the Viva-Voce. The Research Scholar shall make a brief presentation of the research work carried out by highlighting the important findings/ conclusions.
7) After the completion of the presentation, the Research Supervisor shall give opportunity to the invitees to seek clarifications on the research work, if any.
8) (i) After this, the Board shall examine to test the Research Scholar about his/her understanding of the subject depth and the Thesis contribution; also seek answers to the written queries by the Adjudicators in the Thesis Evaluation Reports, if any.
   (ii) The Scholar shall be required to produce all the documents, data, and analysis in support of the research work presented in the Thesis.
   (iii) The Board may ask questions beyond the subject matter of the Thesis to satisfy themselves that the Scholar has adequate knowledge of the branch of the subject on which the Thesis has been submitted.
9) On completing the Viva-Voce, the Board shall submit a report to the Registrar (Evaluation) Clearly indicating that,
   (i) The minor clarifications sought, the indicated corrections, and the raised queries in the report of the adjudicator(s) (if any) has/have been addressed satisfactorily, and
   (ii) The performance of the Scholar was satisfactory, and Board recommends the award of the Ph.D. Degree to the Scholar.
10) (i) In case, the performance of the Research Scholar is not satisfactory, the Board shall report accordingly, giving reasons for the same and recommending another Viva-Voce to be conducted after three months.
   (ii) The Registrar (Evaluation), with the approval of Vice Chancellor, shall permit another Viva- Voce as required, with the composition of the Board unchanged.

(iii) In case, the Research Scholar fails to attend the second Final Viva –Voce or the performance is not satisfactory, the admission shall automatically get terminated.

11) Prescribed fees shall be paid by the Research Scholar to the University for the conduct of each Final Viva – Voce examination.

23PHD 8.5.1. Consolidated Final Viva - Voce Report

Immediately after successful completion of the final Viva-Voce, the Board of Examiners shall prepare and forward the Consolidated Report along with duly corrected versions of both the hard and the soft copies of the Thesis through the Research Center to the Registrar (Evaluation).

23PHD 9.0. NOTIFICATION AND AWARD OF THE DEGREE

23PHD 9.1. Award of Ph.D. Degree

1) The University shall offer Ph.D. programme and award Ph.D. degree to candidates completing all the conditions specified for the award of the degree in these Regulations.
2) The University, with the approval of its authorities, shall award the Ph.D. Degree certificate only to such Research Scholars during the forthcoming Convocation.
3) Provided while awarding the Integrated Ph.D. Degrees, there shall be a specific mention in the degree Certificate that the Degree conferred is an M.Sc.(Engg.) by Research with Ph.D. Integrated degree or M. Tech. with Ph.D. Integrated degree or M. Arch. with Ph.D. Integrated Degree, as the case may be.

23PHD 9.2. Grant of M.Phil. Degree

The University shall not offer the M.Phil. (Master of Philosophy) programme from the date of Notification of this Regulations.

23PHD 9.3. Provisional Degree Certificate

1) Prior to the actual award of the Ph.D. degree, on approval by the Executive Council, the University shall issue a provisional degree certificate to the effect that the Ph.D. is being awarded in accordance with the provisions of these Regulations.
2) For such Research Scholars also, the University, with the approval of its authorities, shall award the Ph.D. Degree certificate during the forthcoming Convocation.

23PHD 9.4. Award of Ph.D. degrees prior to Notification of these Regulations

Award of degrees to candidates registered for the Ph.D. programme on or after July 11, 2009, till the date of Notification of these Regulations shall be governed by the provisions of the UGC (Minimum Standards and Procedure for Award of M.Phil./ Ph.D. Degree) Regulations, 2009 or the UGC (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degrees) Regulations, 2016 as the case may be. Further, the award of degrees to candidates already registered and pursuing Ph.D. shall be governed by these Regulations or UGC (Minimum Standards and Procedure for

Award of M.Phil./Ph.D. Degree) Regulations, 2018. Nothing in these Regulations shall impact the M.Phil./M.S.(Research) Degree programmes commencing prior to the enactment of these Regulations.

23PHD 9.5. Depository with INFLIBNET (Shodhganga)

1) Following successful completion of the evaluation process and before announcement of the award of the Ph.D. degree, the Registrar (Evaluation) shall submit an electronic copy of the final Ph.D. thesis, in to which all suggestions from Adjudicators have been incorporated, to INFLIBNET, for hosting the same so as to make it accessible to all the Higher Educational Institutions and research institutions.
2) The University shall also maintain a repository of such Ph.D. thesis in its Library.

23PHD 9.6. Post Doctoral Programme

The post-doctoral thesis is not a fresh research work, but a cumulative presentation of decade(s) of research work that is guided by a common theme or research orientation, with a vision to substantially contribute to the academic literature with fervor to advance the knowledge in the subject/ research field. In order to create supportive climate for research and invite young persons who have earned their Ph.D. and have publication records may be invited for post-doctoral fellowship. These Scholars will be working in collaboration with existing regular faculty of VTU Belagavi.

23PHD 10.0. INSTITUTIONS FOR CONDUCTING RESEARCH

23PHD 10.1. Recognition of Research Centers

Recognition to various Institutions for conducting research leading to award of the degree by the University shall be governed by the "Visvesvaraya Technological University (Recognition of Research Centers and Research Supervisors) Regulations, 2023". Apart from the University, it's constituent colleges, affiliated Colleges and the faculties of Studies/Departments, a Research Scholar is permitted to pursue research leading to Ph.D. degree in any one of the following Institutions, which has Research Centre (s) recognized by the University.

1) All India Research Institutions and Regional /Collaborative Research Institutions duly recognized by the University or AICTE/ UGC/ NBA/ NAAC Accredited Institutions.
2) Well-equipped Research and Development departments/ Innovation Centers of public and private sector undertakings recognized by this University, from time to time, having necessary facilities for undertaking research at an advanced level.
3) All approved Institutions of Statutory bodies of Government of India or State Government or registered Societies involved in the process of disseminating advanced knowledge and Research/ Professional bodies etc.
4) Any industry/ institution/ corporate entity/ multinational companies/ research labs/ industry R & D centers registered with professional bodies like

NASSCOM/CII, etc. having sufficient infrastructure to conduct research within India or abroad.

5) The Research Scholar shall submit the Certification/Testimony regarding the completion of his research work and also a confidential letter in a sealed cover from the Head of the Institution where research is carried out, about the involvement/ dedication/ behavior of the concerned Research Scholar during his association with the Institution.

23PHD 10.2. Ph.D. Programme by Autonomous Institutions

Autonomous Institutions offering Ph.D. Programmes shall take prior approval from the University for admitting candidates to the Ph.D. Programmes and shall follow the Ph.D. regulations and calendar of events of the University.

23PHD 10.3. Utilization of facilities available at another Research Center

1) The Research Scholars shall utilize the facilities available at other Research Centers by seeking permission by the Registrar and the concerned Research Center. In such cases, Scholars shall submit a request to the Registrar through Research Center with the approval of the RAC for the same.
2) All Research Centers shall extend cooperation to the Research activities by adhering to VTU (Minimum Standards and Procedure for Award of Ph.D. Degree) Regulations, 2023.
3) The research Scholar shall execute an undertaking that he would adhere to the Rules and Regulations of the new Research Center/s.
4) Prescribed fees shall be paid by the Scholar to the University and to the new Research Center allotted to him/her.

23PHD 11.0. MISCELLANEOUS

23PHD 11.1. Copyright of the Thesis

The University shall hold the Copyright of all the Thesis after conferring the Ph.D. Degree.

23PHD 11.2. Prohibition of Scholars from Registering for any other Degree

No Research Scholar of the University shall be permitted to pursue any other Degree programme within the University or at other Universities / Institutions, concurrently with his/her on-going registration as a Research Scholar for the Ph.D. Degree.

23PHD 11.3. Prohibition of Statutory Officers from Ph. D. Registration

The Statutory Officers of the University shall not be permitted to register for the Ph.D. Degree of the University during the period of their tenure at the University.

23PHD 11.4. Change of Research Supervisor / Research Co-Supervisor

1) In unforeseen circumstances like, transfer/voluntary retirement/ resignation/ indisposed situation/demise of the Research Supervisor and/or Research Co-Supervisor/ legal actions on the Research Supervisor by the administration, etc., the research Scholar

shall submit a request to the Registrar through Research Center with the approval of the RAC for a change of Research Supervisor/ Co-Supervisor.

The request shall be with No Objection Certificates (NOCs) issued from the current Research Supervisor/ Co-Supervisor (if any), in feasible situations and from the proposed alternate Research Supervisor/ Co-Supervisor (if any) and the Research Center.

2) The change of Research Supervisor/ Co-Supervisor shall be permitted provided,
   (i) The field of specialization of new Research Supervisor/Co-Supervisor is pertinent to the field and topic in which the Research Scholar is pursuing the Ph.D. programme.
   (ii) The new Research Supervisor is working at a place where there is a University approved Research Center pertaining to the field in which the Research Scholar is pursuing the Research.
   (iii) The Research Center at which, the new Research Supervisor is working, has requisite research facilities required for the Research Scholar's research field/topic.
   (iv) The new Research Supervisor has a Research experience of at least three years as Research Supervisor.
3) Research Supervisors, working at a place where there is no University approved Research Center, can only function as Research Co-Supervisors. In such cases, the Scholar shall opt for a Research Supervisor who satisfy the condition under Section 23PHD 11.4(2).
4) In case, the specialization field of new Research supervisor/ Co-Supervisor is different from the Research Scholar's chosen field of research, there may be a change in research direction and may need a new research proposal and/or prescribing of new coursework to continue with the Ph.D. programme.

   In such cases, the Registrar with the approval of the Admissions Committee, shall permit the change of Research supervisor/ Co-Supervisor with new coursework/ additional course/s for completion as per University norms without changing the date of admission to Ph.D. programme. In view of the foregoing, the Research Scholars may have to repeat any one or more of the following:
   (i) Complete the new coursework/ additional course/s
   (ii) Comprehensive Viva – Voce
   (iii) Open Seminars
   (iv) Publication of papers
   (v) Pre-Submission Colloquium
5) The change shall be considered, case by case, based on the stage at which the change is being sought:
   a) Change before the completion of coursework.
   b) Change after completion of the coursework and before the comprehensive viva-voce.
   c) Change after the comprehensive Viva-Voce but before Pre-Submission Colloquium.
   d) Change after the Pre - Submission Colloquium.

   For all the above cases a to d, one mandatory publication in Q1-Q3 Journal is to be published with the new approved guide along with other publications if any, related

to the work.

6) The Admissions Committee shall take suitable decisions, following or overruling the Sections 23PHD 11.4(4) and (5) in unforeseen circumstances. In all such cases, the decision of the Admissions Committee shall be final and binding.
7) Prescribed fees shall be paid by the Research Scholar to the University for the change of Research Supervisor/Co-Supervisor.
8) In all the above cases, the Research Scholars can carry the research data of research already done but shall give due credit to the former Research Supervisor/ Co-Supervisor and the Institution with its use.
9) Change of Research Supervisor/ Co-Supervisor shall be permitted only once during the Ph.D. programme.
10) With a change in Research Supervisor or the Research Co-Supervisor, the RAC shall be reconstituted.

23PHD 11.5. Appointment of caretaker Research Supervisor/ Co-Supervisor

1) In case the Research Supervisor or the Research Co-Supervisor goes on leave for more than 6 months because of various reasons (like sabbatical / internship/apprenticeship/ deputation /foreign assignment/ health/personal etc.), the RAC shall propose, to the Registrar, for an appointment of a caretaker Research Supervisor/ Co-Supervisor on ad hoc basis. To salvage the academic programme of the Research Scholar, the appointment of Research Supervisor/ Co-Supervisor as an ad hoc caretaker shall be beyond the maximum number of Research Scholars prescribed by the University for a Research Supervisor.

   The Registrar, on approval by Vice Chancellor, shall communicate the Registrar (Evaluation), Research Center and the Research Scholar about the appointment of the caretaker Research Supervisor/ Co-Supervisor.
2) In case the Research Supervisor or the Research Co-Supervisor extends the leave for more than 12 months, the RAC along with the ad hoc caretaker Research Supervisor/ Co-Supervisor shall request for a regular Research Supervisor/ Co-Supervisor subject to the fulfillment of 23PHD 11.4(2).
3) Prescribed fees shall be paid by the Research Scholar to the University.

23PHD 11.6. Co-Option of Research Co-Supervisor

1) The Research Scholar shall have the option to co-opt a Research Co- Supervisor any time before the Pre – Submission Colloquium along with the existing Research Supervisor and Research Co- Supervisor (if any) to improve the quality of Research.
2) The Scholar shall submit a request endorsed by the RAC to the Registrar.
3) The decision taken by Admission Committee in this regard shall be final and binding on all concerned.
4) Prescribed fees shall be paid by the Research Scholar to the University for the co-option of Research Co-Supervisor.

23PHD 11.7. Relocation of Scholars in crisis

1) Relocation of a Research Scholar, due to inevitable personal reasons, shall be considered by the University provided the requirements of the Ph.D. programme are not violated.
2) The Research Scholar, supported by relevant documents, shall submit an application for relocation consideration to the Registrar.
3) The Admissions Committee shall take a suitable decision, case by case and the same shall beconveyed to the Research Scholar. In all such cases, the decision of the Admissions Committee shall be final and binding on all concerned.
4) Research Scholars who seek relocation along with change of Research Supervisor/ Co-Supervisor is permitted governed by the Section 23PHD 11.4.
5) Prescribed fees shall be paid by the Research Scholar to the University.

23PHD 11.8. Relocation of Women Research Scholars for Extension of Special Facilities

1) Relocation of a Women Research Scholars, because of various reasons, shall be considered by the University to extend special facilities to Women Research Scholars, provided the requirements of the Ph.D. programme are not violated.
2) The Research Scholar, supported by relevant documents, shall submit an application for relocation consideration to the Registrar.
3) The Admissions Committee shall take a suitable decision case by case. In all such cases, the decision of the Admissions Committee shall be final and binding on all concerned.
4) In case of relocation of a female Research Scholar due to marriage or otherwise, the research data shall be allowed to be transferred to the Higher Educational Institution to which the Research Scholar intends to relocate, provided all the other conditions in these Regulations are followed, and the research work does not pertain to a project sanctioned to the parent Institution/Supervisor by any funding agency.
   Such Research Scholar shall, however, give due credit to the parent institution and the Supervisor for the part of research already undertaken.
5) The Scholars who seek relocation are governed by the Section 23PHD 11.4.
6) Prescribed fees shall be paid by the Scholar to the University.

23PHD 11.9. Leave

1) Research scholars are entitled for a maximum period of 15 days Casual Leave (CL) and 30 days Medical Leave (ML) in a year in addition to public holidays. They are not entitled to any other vacations.
2) Research Scholars are eligible for maternity/ Paternity leave as per GOI norms issued from time to time at full rates of fellowship etc., once during the tenure of their award. However, maximum duration of fellowship will not be extended under any circumstances.
3) The Research Scholar must submit a formal leave application to the Dean/Director of the respective Faculty of Studies through the Research Supervisor. Approval of the extension of leave will be at the discretion of the Dean/Director of the respective

Faculty of Studies.

4) A Research Scholar may also temporarily withdraw from the Ph.D. programme due to health or family circumstances. Such withdrawal request shall be forwarded through the Research Supervisor to the Dean of the respective Faculty of Studies, who in turn shall forward the same to the University for final approval.
5) Research Scholars cannot take more than two semesters (one year) of leave during the entire course of their Ph.D. Programme.

23PHD 11.10. Handling of Conflict between the Scholar and the Research Supervisor/ Research Co-Supervisor/ Research Center.

1) If there is any request to Registrar, from any one of the concerned, about the conflict betweenthe Research Scholar and the Research Supervisor/ Co-Supervisor/ Research Center, the Registrar shall refer the matter to Vice Chancellor. The decision of the Vice Chancellor shall be final in this regard.
2) The Section 23PHD 11.4 shall be applicable in case the decision results in change of Research Supervisor/Co- Supervisor.
3) Prescribed fees shall be paid by the Scholar to the University.

23PHD 11.11. Change of Research Area/Topic

1) Change of Research Area/Topic shall be allowed only once and any time during the Ph.D. programme, provided there is at least 3 years in case of Full-Time Research Scholars/4 years in case of Part-Time Research Scholars left before the completion of the maximum permissible period of the Ph.D. programme and allowable extension period. In such cases the date of admission to Ph.D. programme shall not be changed.
2) In case, a Research Scholar opts for a change of Research Area/Topic before the publication of papers,change shall be allowed, provided the coursework approved is supportive to the new research area/topic.

   With the change allowed, the Research Scholar may have to undergo the Comprehensive Viva – Voce, Open seminars, Mandatory Publication of papers, Pre-submission Colloquium, and submission of Synopsis covering all the chapters of the Thesis and the Thesis.
3) In case, the approved coursework is not supportive to the new research area/topic, the Research Scholar shall have to undergo new set of coursework or additional course/s. Further, with respect to the change, the Research Scholar must undergo the Comprehensive Viva – Voce, Open seminars, Mandatory Publication of papers, Pre-submission Colloquium, and submission of Synopsis covering all the chapters of the Thesis and the Thesis.
4) Submission of Thesis shall be permitted only after 2 years in case of Full-Time Research Scholars/ 3 years in case of Part-Time Research Scholars, from the date of change of Research Area/Topic.
5) In case, the field of specialization of Research Supervisor/ Co-Supervisor also covers the new Research area/topic, the allotted Research Supervisor/Co-Supervisor shall be continued.

6) In case, the field of specialization of Research Supervisor/ Co-Supervisor does not cover the new Research area/topic, the Research Scholar shall request for new Research Supervisor/Co- Supervisor. The allotment of Research Supervisor/s shall be made by considering the relevant sub Sections of 23PHD 11.4.
7) In case, the Research Scholar opts for a change of Research Area/Topic after the publication of papers, change shall be allowed, provided,
   (i) The Specialization of Research Supervisors covers the new Research Area/Topic sought by the Research Scholar.
   (ii) The facilities of the Research Center cater the needs of new Research Area/Topic.
   (iii) The coursework approved is supportive to the new research area/topic.
   (iv) Completed Open Seminars are pertaining to the new Research Area/Topic.
   (v) Published papers belongs to new Research Area/Topic.
8) For the change of Research area/topic, the Research Scholar shall submit a request through the Research Center, to the Registrar along with the abstract and recommendations of RAC.
9) The Admissions Committee shall take suitable decision and the decision shall be final and binding on all concerned.
10) Prescribed fees shall be paid by the Research Scholar to the University for the change of Research area/topic.

23PHD 11.12. Change of Thesis Title

1) Change in title of the Thesis shall be allowed only once and any time before the publication of papers. No change in the title of the Thesis shall be allowed after the pre - submission colloquium.
2) For a change in title of the Thesis, a request shall be submitted through the Research Center, to the Registrar along with the recommendation of RAC enclosing the receipt for the prescribed fee paid to the University for change of title.
3) The Admissions Committee depending on the merit of the case, shall decide whether, the change in title demands,
   (i) Additional or totally new coursework to be completed.
   (ii) The steps to be undertaken/to be repeated, depending on the state at which the change is sought, such as Comprehensive Viva–Voce, Open seminars, Mandatory Publication of papers, Pre- submission Colloquium, and submission of Synopsis.
4) The Admissions Committee shall take suitable decisions case by case and the decision of the Committee shall be final and binding on all concerned.

23PHD 11.13. Change of Programme from Full-Time to Part-Time and vice versa

1) In case, a Full-Time Research Scholar is desirous to change from Full-Time to Part-Time category any time, he/she shall submit a request through the Research Center, to the Registrar along with no objection certificates from the Research Supervisor and Co- Supervisor, if any, and the recommendations of the RAC.

2) In all such cases, the decision of the Admissions Committee shall be final and binding on all concerned.
3) If the Research Scholar belongs to any of the University Research Center and is a beneficiary of University Jnana Yana Doctoral Fellowship, then he/she shall not be eligible for the Fellowship henceforth consequent to this change over.
4) In case, a Part - Time Research Scholar is desirous to change from Part-Time category to Full-Time category, he/she shall submit a request through the Research Center, to the Registrar along with no objection certificates from the Research Supervisor and Co-Supervisor, if any, and the recommendations of the RAC. The change is allowed only in the first year of the Admission.
5) In all such cases, the decision of the Admissions Committee shall be final and binding on all concerned.
6) Prescribed fees shall be paid by the Research Scholar to the University to regularize the Change of programme from Full-Time to Part-Time and vice versa.

23PHD 11.14. Cancellation of Registration to Ph.D. programme at the request of the Registered Research Scholar

1) In case, a registered Research Scholar is not desirous to continue with the Ph.D. programme, he/she may discontinue the programme at any time, only on getting the registration cancellation order from the Registrar.
2) For cancellation of registration to Ph.D. programme, the following documents shall be submitted to the Registrar.
   (i) Acceptance letter for cancellation of Registration to Ph.D. programme from the Research Supervisor and Co-Supervisor, if any.
   (ii) No due certificate from (a) the Chairperson of the RAC regarding the payment of fess till the year of cancellation (including year of cancellation), (b) Research Center and Department, (c) main and Departmental libraries, hostel, etc. as per requirement.
   (iii) No objection certificate from the Registrar (Evaluation), the Registrar, University Library,Central and Departmental Libraries, Hostel, etc. as per the requirement.
   (iv) the receipt for the prescribed fee paid to the University for cancellation of Registration.
3) The request for cancellation shall be placed before the Executive Council, by the Registrar, for its approval.
4) In all such cases, the decision of the Executive Council shall be final and binding on all concerned.

23PHD 11.15. Cancellation of Registration to Ph.D. Programme by the University

1) The Registrar shall issue notice, on receiving the report from the Research center or from any other sources to the Research Scholar seeking explanation as to why his/her registration should not be cancelled for, under any of the following or any other valid reasons:

a) Unauthorized absence for a period exceeding a month.
b) Non-payment of fees to the College and/ or the University.
c) Research Supervisor expressing his/her inability to continue to supervise because of non- progress of the research work or failure to interact frequently with the supervisor or for any other valid reasons.
d) Registering to pursue some other Full-Time/Part-Time programme of other University or Organization.
e) Joining a Full-Time/Part-Time appointment, having registered under Full-Time category.
f) Not applying for the extension of period after the completion of maximum prescribed period of the Ph.D. programme.
g) Involvement in ragging/major act of misconduct and/or indiscipline.

2) The concerned Research Scholar shall reply within a month from the date of receiving the show cause notice, failing which his/her registration to Ph.D. programme shall be cancelled.
3) The reply from the Research Scholar or the noncompliance report in case of no reply from the Research Scholars hall be placed before the Executive Council for its considerations. The decision of the Executive Council shall be final and binding on all concerned.

23PHD 11.16. Transfer of Scholars from other Universities to VTU

1) Transfer of Research Scholars registered at any other University shall be allowed to continue the Ph.D. programme, provided the Scholars are from other State Universities/ Deemed to be Universities/ defense Organizations/ National Laboratories/ National Research Organizations/ Public Sector Units/State and Central Government Organizations.
2) While applying for transfer, the Candidates shall submit an application to the Registrar, VTU,as per the Annexure - 5.
3) Transfer shall be considered only when the Candidate satisfies the VTU eligibility criteria prescribed for Ph.D. programme.
4) Depending on the stage of Research work completed by the Candidate, the transfer shall be considered provided the Candidate has sufficient time to purse the research work within the allowable maximum period of the programme. The minimum and maximum period of the programme shall be counted from the date of registration at the parent University.
5) The Candidate shall be considered for the VTU Ph.D. programme by extending an exemption to VTU – ETR.
6) In case the coursework of the parent University is not commensurate with the VTU coursework pattern, new course/s shall be prescribed with or without exempting the courses already studied in consultation with BOS Chairperson/Research Field Expert/s.
7) In case, the procedure adopted by the parent University in respect of Comprehensive

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Viva – Voce, Open seminars, Mandatory Publication of papers, Pre- submission Colloquium, and submission of Synopsis covering all the chapters of the Thesis is different from that of VTU, the BOS Chairperson/Research Field Expert/s shall propose the steps to be followed by the Candidate.

8) The date of registration to Ph.D. programme at VTU shall be the date of registration at the parent University.
9) The Scholar shall be permitted to submit the Thesis only after two years from the date of reporting to VTU approved Research Center subject to minimum, maximum and extension period of the programme.
10) With the condition that the Scholars can submit the Thesis only after two years from the date of registration to VTU Ph.D. programme, BoS Chairperson/Research Field Expert/s shall also decide the course of action to be followed by the Scholars. The course of action shall indicate the issues to be covered starting from Coursework, Comprehensive Viva – Voce, Open seminars, Mandatory Publication of papers, Pre-submission Colloquium, and submission of Synopsis covering all the chapters of the Thesis and submission of Thesis.
11) The Registrar shall inform the decision taken by the University to the Scholar, Research Center, Research Supervisor, Research Co-Supervisor (if any) and Registrar (Evaluation) before the enrollment to the Ph.D. programme.
12) Prescribed fees shall be paid by the Scholar to the University for the change of University.

23PHD 11.17. Maintenance of Registration during the validity period

During the period when the registration of the Scholar is in force, the Scholar shall pay the prescribed tuition and other fees to both University and Research Center at the notified time intervals.

23PHD 11.18. Handling of Issues resulting due to Plagiarism

1) The Vice Chancellor shall have the powers to constitute Expert Committees to investigate into plagiarism issues connected with any Ph.D. Thesis submitted to the University, in the case of receipt of complaints either from the adjudicator(s), other individuals or from any other sources before or after the award of Degree.
2) In the event of a Thesis being proved to be copied, plagiarized, or misrepresented academically, the University shall have the powers to rescind the Degree. Such a Scholar shall not be eligible to register for any Degree programme at VTU in future.
3) In such cases, notice shall be served to the Research Supervisor(s) for necessary action as decided by the Authorities of the University.

23PHD 11.19. Repeal and Savings

1) Notwithstanding anything contained in these Regulations, the provisions of any guidelines, orders, rules, or regulations in force at the University shall be inapplicable to the extent of their inconsistency with these Regulations.

2) The University shall issue such orders/instructions, and prescribe such format / procedure, as it may deem fit to implement the provisions of these Regulations.

23PHD 11.20. Interpretation and Language

1) Any question as to the interpretation of these Regulations shall be decided by the University, whose decision shall be final.
2) The University shall have the powers to issue clarifications to remove any doubt, difficulty or anomaly which may arise during the implementation of the provisions of these Regulations.
3) All correspondence with the University regarding the Ph.D. programme, like Reports/ Presentation / Thesis and Viva-Voce examination shall be in English language only.

Annexure – 1

(Corresponding to Research Proposal Presentation under 23PHD 4.3. Pre-Registration Interview)

General Instructions to Research Proposal Presentation at Pre-Registration Interview

a) The scope of Pre- Registration interview shall be to judge,

- **(i)** The Candidate's knowledge and experience in the subject area concerned and his/her preparations to take up the proposed research work.
- **(ii)** Whether the research work can be suitably undertaken at the Research Center/ Institution/College.
- **(iii)** Whether the proposed area of research can contribute to new/additional knowledge.

b) The Candidate appearing for the Pre-Registration Interview shall submit the details in consultation with the probable Research Supervisor/s, to the Registrar, regarding the

- **(i)** Faculty (e.g., Engineering, Applied Science, Management, etc.) in which he/she is desirous of registering.
- **(ii)** Specialization for which the Ph.D. Degree to be awarded [Specialization to be selected from the list of faculties (refer to 23PHD 3.7)].
- **(iii)** Department in which he/she will be pursuing the research, research area and the topic/title. In case of multidisciplinary research, the main Department in which he/she wants to register to pursue the Ph.D. programme.
- **(iv)** Preferably Three name(s) of the Research Supervisors from the VTU approved Research Center/s and the research facilities available at those research Center/s in support of the selected Research area and topic/title.
- **(v)** In case a Co – Supervisor is required, preferably three names of Co – Supervisors.
- **(vi)** Contribution of proposed research to new/additional knowledge. The work that is being proposed should not have been Researched and published.

c) The Candidates appearing for the Pre-Registration Interview shall have to demonstrate to the Committee, how well they are prepared for the research proposal and that they have required competence to pursue the Research. The presentation shall be limited to 10 power point slides. The Candidates shall carry 08 sets of handouts (printed copies) of the presentation to the interview.

d) A research proposal forms a concise summary of the research project. The Research Proposal shall have,

- **(i)** Title Slide: Shall contain proposed Research Topic and name of Candidate.
- **(ii)** Literature Review: Highlights of two or three landmark paper.
- **(iii)** Problem definition: Background of Research topic, with reference to literature survey, that is leading to the present topic of Research.
- **(iv)** Research Methods: A brief description of methods for use to purse Research.
- **(v)** Bibliography and references.

Annexure – 2

(Corresponding to 23PHD 4.3 Pre-Registration Interview)

Pre – Registration Interview Performance Marks Sheet – Page 1 Category: Full- Time Ph.D.

Faculty and Specialisation [For details please refer to the overleaf] for which the Candidates have applied	**Faculty:**
	Specialisation:
	Category of Candidates: VTU - ETR Exempted (Please tick the relevant)
	(i) Candidates qualified in the UGC-NET(including JRF)/ UGC- CSIR NET (including JRF) / SLET / GATE/ CAT or other similar national tests and having qualifying percentile /percentage scores in their respective validity periods. ☐
	(ii) Candidates with M.Phil. Degree or equivalent as recognized by theUniversity. ☐
Maximum Marks for Pre – Registration Interview: 30	**Date of Interview**

Sl No	Name of the Candidate	USN	Academic Performance		Paper		International /National /State level Award (s) / Patent (granted or filed)	Participation in Winter school and summer school (WS/ SS)/workshops (W/s)/ Faculty Development Programmes (FDPs) / MOOCs(through proctored Examination/s)	NSS/NCC/Red Cross and other social services	Research Proposal		Total Marks
			UG	PG	Publication in Journals	Presentation in conferences				Presentation	Viva-Voce	
			Maximum marks									
A	B	C	D	E	F	G	H	I	J	K	L	M
			05	05	02	02	02	02	02	05	05	30
A	B	C	D	E	F	G	H	I	J	K	L	M

Name and Signature
of the Expert Committee members:
Chairperson

Signature
Expert Committee

Annexure – 2

(Corresponding to 23PHD 4.3 Pre-Registration Interview)

Pre – Registration Interview Performance Marks
Sheet – Page 1Category: Part - Time Ph.D.

Faculty and Specialisation [For details please refer to the overleaf] for which the Candidates have applied	**Faculty:**
	Specialisation:
	Category of Candidates: VTU - ETR Exempted (Please tick the relevant)
	(i) Candidates qualified in the UGC-NET(including JRF)/ UGC- CSIR NET (including JRF) / SLET / GATE/ CAT or other similar national tests and having qualifying percentile /percentage scores in their respective validity periods. ☐
	(ii) Candidates with M.Phil. Degree or equivalent as recognized by theUniversity. ☐
Maximum Marks for Pre – Registration Interview: 30	**Date of Interview**

Sl No	Name of the Candidate	USN	Academic Performance		Paper		International /National / State level Award (s) / Patent (granted or filed)	Participation in Winter school and summer schools (WS/SS)/ workshops(W/s)/ Faculty Development Programmes (FDPs) / MOOCs(through proctored Examination/s)	NSS/NCC/Red Cross and other social services	Research Proposal		Total Marks
			UG	PG	Publication in Journals	Presentation in conferences				Presentation	Viva-Voce	
			Maximum marks									
A	B	C	D	E	F	G	H	I	J	K	L	M
			05	05	02	02	02	02	02	05	05	30
A	B	C	D	E	F	G	H	I	J	K	L	M

Name and Signature
of the Expert Committee members:
Chairperson

Signature
Expert Committee

Annexure – 2

(Corresponding to 23PHD 4.3 Pre-Registration Interview)

Pre – Registration Interview Performance Marks Sheet – Page 1Category: Full-Time Ph.D.

Faculty and Specialisation [For details please refer to the overleaf] for whichthe Candidates have applied	**Faculty:**
	Specialisation:
	Category of Candidates: VTU - ETR Qualified
Maximum Marks for Pre – Registration Interview: 30	**Date of Interview**

Sl No	Name of the Candidate	USN	Academic Performance		Paper		International /National /State level Award (s) / Patent (granted or filed)	Participation in Winter school and summer schools (WS/ SS)/workshops (W/s)/ Faculty Development Programmes (FDPs) / MOOCs (through proctored Examination/s)	NSS/NCC/Red Crossand other social services	Research Proposal		Total Marks
			UG	PG	Publication in Journals	Presentation in conferences				Presentation	Viva-Voce	
			Maximum marks									
A	B	C	D	E	F	G	H	I	J	K	L	M
			05	05	02	02	02	02	02	05	05	30
A	B	C	D	E	F	G	H	I	J	K	L	M

Name and Signature
of the Expert Committee members:
Chairperson

Signature
Expert Committee

Annexure – 2

(Corresponding to 23PHD 4.3 Pre-Registration Interview)

Pre – Registration Interview Performance Marks

Sheet – Page 1 Category: Part -Time Ph.D.

Faculty and Specialisation [For details please refer to the overleaf] for whichthe Candidates have applied	**Faculty:**
	Specialisation:
	Category of Candidates: VTU - ETR Qualified
Maximum Marks for VTU – ETRPre – Registration Interview: 30	**Date of Interview**

Sl No	Name of the Candidate	USN	Academic Performance		Paper		International /National /State level Award (s) / Patent (granted or filed)	Participation in Winter school and summer schools(WS/ SS)/workshops (W/s)/ Faculty Development Programmes (FDPs) / MOOCs (through proctored Examination/s)	NSS/NCC/Red Cross and other social services	Research Proposal		Total Marks
			UG	PG	Publication in Journals	Presentation in conferences				Presentation	Viva-Voce	
			Maximum marks									
A	B	C	D	E	F	G	H	I	J	K	L	M
			05	05	02	02	02	02	02	05	05	30
A	B	C	D	E	F	G	H	I	J	K	L	M

Name and Signature
of the Expert Committee members:
Chairperson

Signature
Expert Committee

Annexure – 2

(Corresponding to 23PHD 4.3 Pre-Registration Interview)

Pre – Registration Interview Performance Marks Sheet – Page 2

A.Faculty and Specializations

(1) Faculty of Civil Engineering Sciences:
(i) Civil Engineering (ii) Environmental Engineering (iii) Geology.

(2) Faculty of Mechanical Engineering Sciences:
(i)Mechanical Engineering (ii)Industrial and Production Engineering (iii)Automobile Engineering (iv)Industrial Engineering and Management (v)Manufacturing Science and Engineering.

(3) Faculty of Electrical and Electronics Engineering Sciences:
(i)Electrical and Electronics Engineering. (ii)Electronics and Communication Engineering (iii)Telecommunication Engineering (iv)Electronics and Instrumentation Engineering.

(4) Faculty of Computer and Information Sciences:
(i)Computer Science and Engineering (ii)Information Science and Engineering.

(5) Faculty of Technology:
(i)Chemical Engineering (ii)Polymer Science (iii)Silk/Textile Technology (iv)Biotechnology (v)Food Technology (vi)Bio-Medical Engineering (vii)Medical Electronics Engineering (viii) Mining Engineering (ix)Marine Engineering (x)Mechatronics Engineering (xi)Aerospace Engineering (xii) Nanotechnology.

(6) Faculty of Management:(i)Management.

(7) Faculty of Applied Sciences:
(i)Physics (ii)Chemistry (iii)Mathematics (iv)Computer Applications

(8) Faculty of Architecture:
(i)Architecture.

(B) Academic Performance (Note: UG: Undergraduate, PG: Postgraduate)**:**
$Conversion\ formula\ from\ CGPA\ to\ \%\ of\ Marks = (CGPA - 0.75) \times 10.$

(i) Marks for I Class Distinction [CGPA $\geq 7.75\ or \geq 70\ \%\ marks$]: 05.
(ii)Marks for I Class [CGPA $\geq 6.75\ but < 67.75\ or \geq 60\ \%\ but < 70\ \%$ $marks$]: 03.
(iii)Marks for II Class [CGPA $< 6.75\ or < 60\ \%\ marks$]: 01.

(C) Publications, Award(s) and Knowledge Enhancing Activities:
(i) Publications in Journal/s: One paper: 01 Mark, More than one paper: 02 Marks.
(ii)Presentation in conference/s: One paper: 01 Mark, More than one paper: 02 Marks.
(iii)International/National /State level Award(s)/Patent (awarded or filed): For any: 02 Marks.(iv)WS/SS/W/s/FDPs/MOOCs: Any one: 01 Mark, More than one: 02 Marks.

(D) Social Service Activities
Participation in any or all of NSS/NCC/Red Cross and other social services: 02 Mark

(E)Instructions to be followed by the Members of Pre-Registration Expert Committee
(1) A minimum of two marks shall be allotted to all Candidates who participate in presentation and Viva – Voce.
(2) Zero marks shall be awarded, in case the Candidates who have not fulfilled the

requirements.

(3) In case of absentees, please mark AB against the total marks.

(4) After the interview, the Expert Committee shall upload the final marks of the Candidatesto the University website via the web link https://jnanashodha.vtu.ac.in.

Annexure - 3

[Corresponding to 23PHD 6.2 Ph.D. Programme Coursework]

Number of coursework courses to be completed

by the Scholars provisionally registered for Ph.D. programme

Faculty	Specialization	Prescribed number of Courses
1) Faculty of CivilEngineering Sciences	**(i)** Civil Engineering	04
	(ii) Environmental Engineering	04
	(iii) Geology	06
2) Faculty of MechanicalEngineering Sciences	**(i)** Mechanical Engineering	04
	(ii) Industrial and Production Engineering	04
	(iii) Automobile Engineering	04
	(iv) Industrial Engineering and Management	04
	(v) Manufacturing Science and Engineering	04
3) Faculty of Electricaland Electronics Engineering Sciences	**(i)** Electrical and Electronics Engineering.	04
	(ii) Electronics and Communication Engg.	04
	(iii) Telecommunication Engineering	04
	(iv) Electronics and Instrumentation Engg.	04
4) Faculty of Computer and Information Sciences	**(i)** Computer Science and Engineering	04
	(ii) Information Science and Engineering.	04
5) Faculty of Technology	**(i)** Chemical Engineering	04
	(ii) Polymer Science	04
	(iii) Silk/Textile Technology	04
	(iv) Biotechnology (Engineering/Science)	04/06
	(v) Food Technology (Engineering/Science)	04/06
	(vi) Bio-Medical Engineering	04
	(vii) Medical Electronics Engineering	04
	(viii) Mining Engineering	04
	(ix) Marine Engineering	04
	(x) Mechatronics Engineering	04
	(xi) Aerospace Engineering	04
	(xii) Nanotechnology (Engineering/Science)	04/06
6) Faculty of Management	**(i)** Management.	06
7) Faculty of AppliedSciences	**(i)** Physics	06
	(ii) Chemistry	06
	(iii) Mathematics	06
	(iv) Computer Applications	06
8) Faculty of Architecture	**(i)** Architecture.	04

Annexure -4

[Corresponding to 23PHD 8.2 Submission of Synopsis and the Ph.D. Thesis]

Documents to be uploaded along with the submission of Synopsis

CHECK LIST OF DOCUMENTS TO BE UPLOADED ONLINE AND FINAL SUBMISSION OF HARD COPY OF Ph.D SYNOPSIS/THESISTHROUGH THE RESEARCH CENTRE (DOCUMENTS ARE PROCESSED AS PER REGULATIONS)

(Tick Mark)

1.	Copy of Office Order of Ph.D Registration**(Attested copy)**	
2.	Copy of Course Work Completion Certificate**(Attested by Guide)**	
3.	Copy of the Comprehensive Viva Voce Results Issued from VTU**(Attested by Guide)**	
4.	Approval letter issued from VTU for Change of Thesis Title, Branch, Guide,Research Center, Inclusion and Omission of Co Guide **(Attested by Guide)**	
5.	Adjudicator format 1 (Available in the website of VTU)	
6.	No dues certificate from research center**(Principal/Chairperson signature is Must)**	
7.	Certificate from Guide / Co-Guide	
8.	Letter of submission from the Guide / Co-Guide**(Signature is Must)**	
9.	Evidential proof from HOD and Head of Research Center (Principal) for having been conducted open seminar 1 **(Duly signed by doctoral committee members)(As per VTU format)**	
10.	Evidential proof from HOD and Head of Research Center (Principal) for having been conducted open seminar 2 **(Duly signed by doctoral committee members)(As per VTU format)**	
11.	Pre submission colloquium report from guide through HOD and Head of Research Center (Principal)**(Duly signed by doctoral committee members)(As per VTU format)**	
12.	Letter from research centre having checked all **(As per VTU format)** i) Residence Certificate for part time scholars only (Head of the signature is Must) ii)Six months Progressive Reports for both part time and full time scholars	
13.	Hard copies of One Q1 to Q3 Journal paper published + No. of Additional papers published --- Total = 1 + = **(Scholar Name + Guide Name must be there in journal papers, duly signed by doctoral committee members)**	
14.	Enclose Online Fee payment receipt for : i) Thesis submission Fee = (SBI collect Reference No ---) ii) Defense Fee = (SBI collect Reference No ---) iii)Late Submission/Extension Fee = (SBI collect Reference No ---) Total = (Ensure Total fees paid above (i) and (ii) at time of submission of synopsis only)	
15.	Signed closed Panel of Examiners consisting six from Group A and Six from Group B **Group – A – NIT/CENTRAL/ STATE UNIVERSITY(As per Regulations)** **Group –B -FOREIGN UNIVERSITIES/IIT/IISc/IIM (As per Regulations)** **(Must mention NIRF & QS WORLD Ranking of Colleges/ Universities)** **Note: Online submission of Panel of Examiners through Portal should be same as the Hard copy submitted** *****Should send 3 relevant papers details (Title, Author, Journal, Volume, Year, DOI) from each Examiners in the same domain, duly signed by doctoral committee members along with closed panel of examiners. Do not send the Hardcopies of the published papers of Examiners. (As per VTU format)**	

Note: Plagiarism Check will be initiated only if complete final thesis is uploaded online and after receipt of Hard copy as per check list

17.	The thesis should consist of all the below said documents with signed copies with seal wherever necessary (Cover Page, Guide signature on Certificate, Declaration, Acknowledgement, Abstract, Index (Table of Contents), List of Tables, Figures, chapter wise details, Conclusions, Publication list, References etc.) **Carefully upload the thesis with taking precaution like, type correct USN, Scholar Name, Branch, Correct thesis title without spelling mistake.** **Once the data is submitted the online link cannot be open at any reason.**	
18.	All Mandatory documents (single copies of documents as specified above from serial no. 1 to 14 should be uploaded in a single pdf file with zipped(.zip) **as per VTU formats only**	

1. **Upload the softcopy in thesis tracker and process will be initiated after verification of received Hard Copies.**
2. **Write the serial number of each document in the right corner without fail.**
3. Online upload Research Scholar Name, USN, Thesis Title in capital letters, as per Approved letter issued from VTU. Online uploaded Research Scholar Name, USN, Thesis Title are considered for **PDC** and **Convocation Certificates**.

Important Note:If above mentioned documents are not received in proper format such scholar documents will not be processed at any reason and it will be sent back to Research Centre.

All documents to be prepared as per VTU format refer ---- URL :(https://vtu.ac.in/en/ph-d-by-research-2/)

Annexure -5
[Corresponding to 23PHD 11.17 Transfer of Scholars from other Universities to VTU]

Transfer of Scholars from other Universities to VTU

While applying for transfer from other Universities to VTU, the Candidates shall submit an application to the Registrar, VTU, with the following details and attaching the relevant documents to support the claim.

1) Name and address.
2) Contact numbers.
3) Email address.
4) Aadhar Card Number.
5) Graduate and postgraduate level qualifications.
6) Research specialization field and topic.
7) Category of Research programme under which the Candidate has registered at the parent University: Fulltime or Part – Time.
8) Date of registration to Ph.D. programme at the parent University.
9) Courses of the Ph.D. coursework and their status; completed or yet to be completed.
10) Detailed report on the progress achieved in the research work.
11) No objection certificates (NOCs) from the employer, parent University (allowing to continuethe research work elsewhere), Research Center where the Candidate is keen to continue the research.
12) Acceptance letter/s from VTU Research Supervisor/s to guide the Candidate under consideration.
13) Transfer letter issued by the employer.
14) An undertaking from the Candidate stating that the Rules and Regulations of VTU shall be adhered strictly.
15) Original or attested Photo copy of parent University Regulations Governing the Ph.D.programme.

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ

Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018, Karnataka State.

VTU/ BGM/ Aca/Ph.D./2020-21/ 779 Date: - 3 SEP 2020

NOTIFICATION

Sub: REGULATIONS GOVERNING THE DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.) - Amended 2017. reg...

Ref: 1.The 152nd meeting of the Executive Council Resolution No.2.3.2. Dated: 30-07-2020.
2. Proceedings of the Regulation Review Committee Meeting Dated 22-07-2020.

Pursuant to the resolution of the Executive Council Resolution No. 2.3.2 of the 152nd meeting dated: 30-07-2020 and proceedings of the review committee for Ph.D. by Research dated 22nd July 2020, it is hereby notified that;

Few additional amendments (details enclosed) as under have been effected for the Regulations Governing the Degree of Doctor of Philosophy (Ph.D.)-Amended 2017. This would be effected from September 2020

1. The clause 3.1.2 of Ph.D. Regulation 2017 Doctoral Committee.
2. The clause 5.4 of Ph.D. Regulation 2017 Admission for Research Supervisor.
3. The clause 6.3 of Ph.D. Regulation 2017 Functioning of Research Supervisor.
4. The clause 8.1 of Ph.D. Regulation 2017 University Notification.
5. The clause 14.1 of Ph.D. Regulation 2017 Proposing Coursework.
6. The clause 14.6 of Ph.D. Regulation 2017 Prescribed Passing Standards.
7. The clause 21.4 of Ph.D. Regulation 2017 Maximum Period for Submission of Thesis by Full-Time Candidates
8. The clause 21.5 of Ph.D. Regulation 2017 Maximum Period for Submission of Thesis by Part-Time Candidates
9. The clause 23.2 of Ph.D. Regulation 2017 Selection of Adjudicators.

The contents of this notification may be brought to the notice of all the concerned

03.9.2020

REGISTRAR

To,

1. The Principals of all Engineering Colleges affiliated to VTU, Belagavi.
2. The Heads of Recognized Research Center of VTU.
3. Special Officer RRC VTU Belagavi.
4. All Department of Chairperson VTU Belagavi.
5. The Director (I/c), ITISMU VTU, Belagavi for information and uploading on website.

Copy to:

1. The Hon'ble Vice-Chancellor, through the Secretary to VC, VTU, Belagavi.
2. The Registrar Office, VTU, Belagavi for information.
3. The Registrar Office (Evaluation), VTU, Belagavi for information.
4. The I/c Regional Director, VTU's Regional Centers, Bengaluru, Kalaburagi, Mysuru, and Belagavi for information
5. Office Copy.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

REGULATIONS GOVERNING THE DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.) - Amended 2017

WITH EFFECT FROM 30-07-2020

Preamble

These Regulations Governing the Degree of Doctor of Philosophy (Ph.D.)-Amended 2017 have been framed to amend the earlier Regulations of 2014 on this subject with a view to fulfil the provisions in the UGC (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degrees) Regulations, 2016 and UGC Gazette Notification (Specification of Degrees), 2014. They also take into account the experience of the University in conducting the Ph.D. programme during the last decade or so and aim at ensuring a high standard for the Ph.D. conferment by the University.

A Committee was constituted to review the existing Regulations Governing the Degree of Doctor of Philosophy (Ph.D.)-amended 2017. The recommendations of the said committee are placed before the Executive Council for consideration and approval.

Resolution No.2.3.2 of the Agenda of 152nd meeting of the Executive Council to be held on 30th July 2020, The Executive Council resolved to accept the recommendation of the Academic Senate which recommended to accept the amendments suggested by the Committee constituted to review the Regulations governing the Doctor of Philosophy (Ph.D.)-amended 2017.

Existing Regulations Governing the Degree of Doctor of Philosophy (Ph.D.)-Amended 2017	**New Regulations Governing the Degree of Doctor of Philosophy (Ph.D.)-Amended 2017 With effect from 30-07-2020**
Ph.D.-3.1.2 Doctoral Committee a) The Head of the Institute shall propose a Doctoral Committee to be constituted by Vice-Chancellor for each candidate with the following composition: 1. Head of the Institute -Chairperson (or his/her Nominee)	**Ph.D.-3.1.2 Doctoral Committee** a) The Principal/Director (Architecture)/ Chairperson of the University Department shall propose a Doctoral Committee to be constituted by Vice-Chancellor for each candidate with the following composition: 1. Principal/Director (Architecture)/ Chairperson of the University Department -Chairperson (or his/her Nominee)
2. Head of the Research Centre/Department - Member	2. Chairperson of the University Department /Head of the Department -Member
3. Two domain experts, (at least one expert external to the Research Center in the same domain) both identified jointly by the Head of the Research Center & Research Supervisor -Members	3. Two domain experts, (both of them shall be outside the college/University Department. Out of the two domain experts, one of them can be from VTU affiliated colleges/University Departments and other from outside the University) both identified jointly by the Head of the Research Centre/Chairperson of the University Department /Head of the Department & Research Supervisor.-Members
4. Research Supervisor -Member Convener	4. Research Supervisor -Member Convener
5. Co-Supervisor (if any) -Joint Member Convener	5. Co-Supervisor (if any) -Joint Member Convener

Ph.D.-3.1.2 Doctoral Committee **c)** If the Head of the Institute/Research Centre is also the Research Supervisor of the candidate concerned, the VC shall appoint an alternate Chairperson/Member from the same institute for this Committee.	**Ph.D.-3.1.2 Doctoral Committee** **(c) (i)** The Principal/Director (Architecture)/ Chairperson of the University Departments hall submit a panel of domain experts to Registrar, consisting of three from VTU affiliated colleges/University Departments and three from other (outside VTU) state government and central government Universities/reputed Research organisations within the country. **(ii)**The Vice Chancellor shall choose two domain experts from the suggested panel, one being from VTU affiliated colleges/University Departments and the other from other (outside VTU) state government and central government Universities/reputed Research organisations within the country. **(iii)**In case, the Principal/Director (Architecture)/ Chairperson of the University Department/Head of the Department happens to be a Research Supervisor or Research Co- Supervisor, then the Principal/Director (Architecture)/ Chairperson of the University Department shall request the Registrar for an University Nominee selected by the Vice Chancellor form the panel of four domain experts submitted by the Principal/Director (Architecture)/ Chairperson of the University Department. **(iv)** The members shall serve the Doctoral Committee, provided they have no close relative or spouse registered in that Research Centre.
Ph.D.-5.4 Admission for Research Supervisor A Research Supervisor can also be a Research Scholar under this University.	**Ph.D.-5.4 Admission for Research Supervisor** A Research Supervisor cannot be a Research Scholar concurrently under this University.
Ph.D.-6.3 Functioning of Research Supervisor a) There shall be a possibility of allowing a Co-Supervisor in addition to Research Supervisor for a candidate registered for the Ph.D. Degree at a Research Centre. b) In the case of interdisciplinary subject area(s), a candidate may have two supervisors, of which one shall be designated **as the Research Supervisor and the other as the Co-Supervisor, with either of them being from the Research Centre where the candidate has registered for Ph.D.** c) A Research Supervisor shall not opt to become Co-Supervisor for more than five candidates at any time.	**Ph.D.-6.3 Functioning of Research Supervisor** a) There shall be a possibility of allowing a Co-Supervisor in addition to Research Supervisor for a candidate registered for the Ph.D./ M.Sc. (Engg.) by Research Degree at a Research Centre. b) **(i)** In the case of interdisciplinary subject area(s), a candidate may have two supervisors, of which one shall be designated **as the Research Supervisor and the other as the Co-Supervisor.** **(ii) While the Research Supervisors hall be from the Research Centre where the candidate has registered for Ph.D./ M.Sc. (Engg.) by Research, the Research Supervisors recognised by the University, who are working outside the Research Centres recognised by the University, shall act as Co – Supervisors only.** **c)** A Research Supervisor can function as Research Supervisor or Research Co-Supervisor.

d) No Research Supervisor/Co-Supervisor shall supervise his/her close relative or spouse for Ph.D. Degree of VTU.	The sum of Research Supervisor and Research Co-Supervisor shall not be more than (i) Eight candidates for a Professor. (ii) Six candidates for an Associate Professor, and (iii) Four candidates for an Assistant Professor. d) No Research Supervisor/Co-Supervisor shall supervise his/her close relative or spouse for Ph.D./ M.Sc. (Engg.) by Research Degree of VTU.
Ph.D.-8.1 University Notification The University may all for Applications for Admissions normally once in an academic year covering : (i) The procedure to be followed for Ph.D. admissions; (ii) Eligibility requirements, i.e., Ph.D.-5 to be satisfied for getting admitted; (iii) Number of seats to be filled branch/ subject area-wise at each VTU-RC; (iv) Division of seats to be filled in the general and the reserved categories; (v) VTU-ETR details-Dates, Centres, Syllabi etc., and How to apply; (vi) Calendar for pre-registration interview, semesters, other events; (vii) Information on available scholarships, assistantships, if any. The admissions shall be made **twice** annually at the beginning of each **semester** based on the candidate's rank in the VTU-ETR and the pre-registration interview performance, both being conducted only once in a year.	**Ph.D.-8.1 University Notification** The University may all for Applications for Admissions normally once in an academic year covering : (i) The procedure to be followed for Ph.D./ M.Sc. (Engg.) by Research admissions; (ii) Eligibility requirements, i.e., Ph.D.-5 to be satisfied for getting admitted; (iii) Number of seats to be filled branch/ subject area-wise at each VTU-RC; (iv) Division of seats to be filled in the general and the reserved categories; (v) VTU-ETR details-Dates, Centres, Syllabi etc., and How to apply; (vi) Calendar for pre-registration interview, semesters, other events; (vii) Information on available scholarships, assistantships, if any. The admissions shall be made **only once** annually at the beginning of each **academic year** based on the candidate's rank in the VTU-ETR and the pre-registration interview performance, both being conducted only once in a year. The eligible candidates shall be kept in waiting list and such candidates shall be allowed to register for the Ph.D./ M.Sc. (Engg.) by Research programme, in between, depending upon the available slots with the approved Research Supervisors.
Ph.D.-14.1Proposing Coursework a) Each candidate provisionally registered for the Ph.D. programme shall have to go through the prescribed coursework choosing four subjects for Faculty of Engineering and Faculty of Architecture and 6 subjects for Faculty of Science and Faculty of Management Studies out of which one subject namely Research Methodology is compulsory. The remaining three courses shall be pertaining to their Research work as decided by the Doctoral Committee and obtain a minimum of 60 % in each course registered.	**Ph.D.-14.1Proposing Coursework** a) Each candidate provisionally registered for the Ph.D./ M.Sc. (Engg.) by Research programme shall have to go through the prescribed coursework choosing four subjects for Faculty of Engineering and Faculty of Architecture and 6 subjects for Faculty of Science and Faculty of Management Studies out of which one subject namely Research Methodology is compulsory. The remaining three courses shall be pertaining to their Research work as decided by the Doctoral Committee and obtain a minimum of 60 % in each course registered. For assigning the grades for the marks secured in a course by Research Scholars in the coursework

<table>
<tr><td></td><td>examination, the following letter grades shall be used.
<table>
<tr><th>Letter Grades</th><th>Range of Marks</th></tr>
<tr><td>S</td><td>90 to 100</td></tr>
<tr><td>A</td><td>80 to89</td></tr>
<tr><td>B</td><td>70 to 79</td></tr>
<tr><td>C</td><td>60 to 69</td></tr>
<tr><td>F</td><td>0 to 59</td></tr>
</table></td></tr>
<tr><td>Ph.D.-14.6 Prescribed Passing Standards
a) For passing the Coursework (Part-I), the candidate shall obtain a minimum of 60% marks in each course registered.</td><td>Ph.D.-14.6 Prescribed Passing Standards
a) For passing the Coursework (Part-I), the candidate shall obtain a minimum of 60% marks in each course registered.</td></tr>
<tr><td>b) Candidates shall be required to pass in each course in a maximum of two attempts i.e. within one year in two semesters.</td><td>b) (i) Candidates shall be required to complete the coursework in four consecutive University coursework Examinations conducted from the date of Provisional Registration to Ph.D./ M.Sc. (Engg.) by Research programme.
(ii) Candidates shall be required to pass in each course in a maximum of four attempts.
(iii) Not registering for any of the consecutive coursework examinations conducted by the University or absenting to an examination, after registering for a course/s to appear in the examination, is Considered as an attempt.
(iv) Based on the recommendations of the Doctoral Committee, a change in Coursework shall be permitted by the Registrar, provided the request is within the period of four consecutive University coursework Examinations from the date of Provisional Registration of the Candidate to Ph.D./ M.Sc. (Engg.) by Research programme.
(v)Those Candidates, who fail to satisfy the conditions (i) to (iv) as in (b) above, at any time within the permissible period of four consecutive University coursework Examinations, shall seek provisional registration for Ph.D./ M.Sc. (Engg.) by Research afresh, if required.</td></tr>
<tr><td>Ph.D.-21.4 Maximum Period for Submission of Thesis by Full-Time Candidates
a) The maximum period for submission of the Ph.D. Thesis by Full-Time candidates including those upgraded to the M.Sc. (Engg.) by Research/M. Tech./M. Arch. + Ph.D. Integrated programmes, shall be six years from the date of provisional registration.
b) But, the Vice Chancellor shall have the powers to extend the maximum period for submission of the Ph.D. thesis by such a candidate on the specific recommendations of the Doctoral Committee forwarded through the Research Centre on receipt of a request for extension from the candidate not less than three months prior to the completion of the stipulated period.</td><td>Ph.D.-21.4 Maximum Period for Submission of Thesis by Full-Time Candidates
a) The maximum period for submission of the Ph.D. Thesis by Fulltime candidates including those upgraded to the M.Sc. (Engg.) by Research/M. Tech./M. Arch. + Ph.D. Integrated programmes, shall be six years from the date of provisional registration.
b) But, the Vice Chancellor shall have the powers to extend the maximum period for submission of the Ph.D. thesis by such a candidate on the specific recommendations of the Doctoral Committee forwarded through the Research Centre on receipt of a request for extension from the candidate not less than six months prior to the completion of the stipulated period.</td></tr>
</table>

Ph.D.-21.5 Maximum Period for Submission of Thesis by Part-Time Students a) The maximum period for submission of the thesis for Part-Time candidates shall be six years from the date of provisional registration. b) But, the Vice Chancellor shall have the powers to extend the maximum period for submission of the Thesis by such a candidate on the specific recommendations of the Doctoral Committee forwarded through the Research Centre on receipt of a request for extension from the candidate not less than **six months** prior to the completion of the stipulated period.	**Ph.D.-21.5 Maximum Period for Submission of Thesis by Part-Time Students** a) The maximum period for submission of the thesis for Part-Time candidates shall be six years from the date of provisional registration. b) But, the Vice Chancellor shall have the powers to extend the maximum period for submission of the Thesis by such a candidate on the specific recommendations of the Doctoral Committee forwarded through the Research Centre on receipt of a request for extension from the candidate not less than **one year** prior to the completion of the Stipulated period.
Ph.D.-23.2 Selection of Adjudicators **a)** The Research Centre shall arrange to forward to the University the proposed panel containing details of twelve experts for adjudication of the thesis as approved by the Doctoral Committee, of whom few experts shall be from abroad. This list shall be forwarded to the University along with the Synopsis. b) The complete postal address, e-mail ID, Telephone and fax numbers and the broad area of specialization of each adjudicator shall also be provided in the panel submitted. c) The Vice Chancellor shall choose two adjudicators from the suggested panel for adjudication of the thesis, with at least one being from outside the country/ Institutes of National Importance such as, IIT's, IISc, NIT's and REC's or National Laboratories and National Research Organisations and send invitation letters to them along with a copy of the Synopsis in each case. d) Their acceptance shall be preferably obtained within one month from the date of invitation, before taking any further steps on the subject.	**Ph.D.-23.2 Selection of Adjudicators** **a) (i)**The Research Centre shall arrange to forward to the University a proposed panel containing details of twelve experts under two groups namely Group –A and Group – B, for adjudication of the thesis as approved by the Doctoral Committee. Each group shall have six Adjudicators. **Group – A:** The panel consisting of Adjudicators shall be from outside the Visvesvaraya Technological University. The six Adjudicators shall be from NITs /state government and central government Universities/reputed Research organisations within the country. **Group – B:** The six Adjudicators shall be from IITs/IISc/IIM/abroad in any proportion. **(ii)** While proposing the names of the Adjudicators for evaluation of Thesis, the Research supervisor shall ensure that the Adjudicators are involved in active Research in the field of the topic of the Thesis, and **(iii)**Include at least three papers (documented in peer reviewed journals of repute, indexed in Scopus and Web of Science) of each Adjudicator. **(iv)** The panel of Adjudicators shall be forwarded to the Registrar (Evaluation) along with the Synopsis. **b) (i)** The complete postal address, e-mail address, Telephone/mobile/ fax numbers and the broad area of specialization of each adjudicator along with Open Researcher and Contributor id (ORCID)/Google Scholar id shall be provided in the panel submitted. **(ii)**For payment of remuneration, the following details shall also be included. **Adjudicators from India:** Bank Account Number, name and address of the Bank, Branch, IFSC code, Permanent Account Number (PAN) and Photo copy of the front page of the Bank Passbook. **Adjudicators from abroad:** Bank Account

	Number, name and address of the Bank. c) The Vice Chancellor shall choose one Adjudicator each from Group – A and Group - B for adjudication of the thesis, and send invitation letters to them along with a copy of the Synopsis in each case. d) Their acceptance shall be preferably obtained within one month from the date of invitation, before taking any further steps on the subject.
Ph.D.-23.3 Appointment of Adjudicators to Evaluate the Thesis a) The University shall arrange for the thesis to be evaluated by the Research Supervisor (and jointly by the Co-Supervisor, if any) and two more Adjudicators identified as per Ph.D- 23.2 c) and d). b) The three adjudicators as in a) above shall be appointed by the Vice Chancellor to adjudicate the thesis submitted by the candidate.	**Ph.D.-23.3 Appointment of Adjudicators to Evaluate the Thesis** **a)** The University shall arrange for the thesis to be evaluated by the Research Supervisor (and jointly by the Co-Supervisor, if any) and two more Adjudicators identified as per Ph.D. - 23.2 (c) and (d). **b)** The three adjudicators as in a) above shall be appointed by the Vice Chancellor to adjudicate the thesis submitted by the candidate.

03.9.2020

REGISTRAR
Visvesvaraya Technological University
BELAGAVI.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
REGULATIONS GOVERNING THE DEGREE
OF
DOCTOR OF PHILOSOPHY(Ph.D) - Amended 2017
[With effect from June 2017]

Preamble

*These Regulations Governing the Degree of Doctor of Philosophy (Ph.D.)-Amended 2017 have been framed to **amend** the earlier Regulations of 2014 on this subject with a view to fulfill the provisions in the UGC (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degrees) Regulations, 2016 and UGC Gazette Notification (Specification of Degrees), 2014. They also take into account the experience of the University in conducting the Ph.D. programme during the last decade or so and aim at ensuring a high standard for the Ph.D. conferment by the University.*

Ph.D.-1 SHORT TITLE AND COMMENCEMENT

Ph.D.- 1.1 These Regulations shall be called "VTU Regulations Governing the Degree of Doctor of Philosophy (Ph.D.)-Amended 2017".

Ph.D.-1.2 These shall come into force from the date of their notification by the University and be applicable for the candidates seeking registration for Ph.D. in the Faculty of Engineering, Faculty of Architecture, Faculty of Science, Faculty of Management Studies and Interdisciplinary Subject Areas.

Ph.D.-1.3 All correspondence with the University regarding the Ph.D. programme, like Reports/Presentation /Thesis shall be in English language only.

Ph.D.-2 DEFINITIONS

Ph.D.-2.1 In these Regulations unless the context requires otherwise or it is specifically so defined:

a) 'Academic Senate (AS)', 'Board of Studies (BoS)', 'Executive Council (EC)', 'Faculty' mean the respective Authorities of the University.
b) 'Admissions Committee' means a committee constituted by the University to carry out the activities concerning the admission of students to the Ph.D. programme.
c) 'AICTE' means the All India Council for Technical Education established at New Delhi by an Act of Parliament in 1987.
d) 'Coursework' means the courses prescribed as a part of the Ph.D. programme, which the candidate shall successfully complete as a pre-requisite.
e) 'Co-supervisor' means the additional Research Supervisor who supervises/ guides the doctoral research of a candidate along with the Research Supervisor.
f) 'Degree at Undergraduate/Postgraduate/Doctor of Philosophy level' means UG/PG/Ph.D.
g) 'Doctoral Committee' means the Research Advisory Committee constituted by the University to review the research progress of a candidate for Ph.D.
h) 'FIP' means the Faculty Improvement Programme of UGC.
i) 'GoI' means the Government of India.
j) 'GoK' means the Government of Karnataka.
k) 'Intake' means the number of students sanctioned for admission to a Research Centre/Faculty of the University in a year.

l) 'Integrated Degree' means a higher degree award combining the requirements of two Degrees in sequence conducted in a shorter time frame, e.g., M.Sc.(Engg.) by Research / M. Tech. + Ph.D. Degree in less than *five* years**.**
m) 'NRI/FN/PIO' means Non-Resident Indian/Foreign National/Person of Indian Origin in abbreviated form.
n) 'QIP' means Quality Improvement Programme of the GoI.
o) 'Refereed Journal' means a reputed professional journal or literary journal or a publication in which the research articles or papers are selected for publication by a panel of expert referees in the field.
p) 'Registrar' and 'Registrar (Evaluation)' mean respectively the Registrar and Registrar (Evaluation) of the University.
q) 'Research Centre' means a College/Institute/Department/Research Laboratory and the like recognized by the University for the candidates to pursue Ph.D./M.Sc.(Engg) by Research in an approved discipline.
r) 'Research Supervisor' means a qualified faculty member or a scientist recognized by the University to supervise/guide the candidates for Ph.D./M.Sc.(Engg.) by Research.
s) 'UGC' means the University Grants Commission established at New Delhi by an Act of Parliament in 1956.
t) 'University' means the Visvesvaraya Technological University (VTU) with its Head-quarters at Belagavi, Karnataka.
u) 'Vice Chancellor' means the Vice Chancellor (VC) of the University.
v) 'Viva-Voce Board' means a committee of experts appointed by the University to conduct the final viva-voce on the Thesis submitted by the candidate.
w) 'VTU-ETR' means VTU Eligibility Test for Research conducted by the University for admitting students to Ph.D. programme.
x) VTU-RC' means Research Center recognized / identified by the University.
y) 'Website' means the website of the University at www.vtu.ac.in;

Ph.D.-3 BOARDS AND COMMITTEES

Ph.D.-3.1 Constitution of Boards/Committees

The University shall constitute the following Boards/ Committees for monitoring the Ph.D. Programme:

a) Admissions Committee
b) Doctoral Committee
c) Viva - Voce Board
d) Such other Boards/Committees, as may be required.

The composition, duties and responsibilities of the Boards and Committees shall be as given below:

Ph.D.-3.1.1 Admissions Committee

a) The Admissions Committee to be constituted by the Vice Chancellor for each Faculty, shall consist of:

1.	Dean of the Faculty,	-Chairperson
2.	Nominee of the Executive Council	-Member
3.	Nominee of the Academic Senate	-Member
4.	Nominee of the Vice Chancellor	-Member
5.	Registrar	-Member Convener

b) If there is no Dean appointed for a Faculty, the Vice Chancellor may nominate one among the other Deans to be the Chairperson of the Admissions Committee for that Faculty.

c) The Admissions Committee shall be responsible for :
   (i) Identification and notification of intake
   (ii) Getting the eligibility test conducted
   (iii) Getting the merit list(s) prepared
   (iv) Interview for candidates organized
   (v) The Reservation Policy followed
   (vi) Pre-registration interview facilitated
   (vii) Conducting such other tasks connected with the admission of the candidates for the Ph.D. programme.

d) The tenure of the Committee shall be three years and the constitution of the Committee shall be aligned with the academic year at the University. The Committee shall meet as often as required.

Ph.D.-3.1.2 Doctoral Committee

a) The Head of the Institute shall propose a Doctoral Committee to be constituted by Vice-Chancellor for each candidate with the following composition:

1.	Head of the Institute	-Chairperson (or his/her Nominee)
2.	Head of the Research Centre/Department	-Member
3.	Two domain experts, (at least one expert external to the Research Center in the same domain) both identified jointly by the Head of the Research Center & Research Supervisor	-Members
4.	Research Supervisor	-Member Convener
5.	Co-Supervisor (if any)	-Joint Member Convener

b) The Doctoral Committee shall be responsible to review and monitor the progress of the candidate in Ph.D. research work from its commencement until submission of the Thesis. The Committee shall meet as often as required, but at least once in every six months before forwarding the Six-Monthly Progress Report of the candidate to the University.

c) If the Head of the Institute/Research Centre is also the Research Supervisor of the candidate concerned, the VC shall appoint an alternate Chairperson/Member from the same institute for this Committee.

d) Also, the Committee shall have the same composition for all the candidates registered under one Research Supervisor.

e) The VC shall appoint alternate domain expert(s) on the Committee in consultation with the Head of the Institute, if any of the appointees is unable to attend the deliberations of the Committee for more than two half-year periods at a time.

f) All the expenses related to the functioning of the Doctoral Committee shall be met by the institute concerned.

Ph.D.-3.1.3 Viva-Voce Board

a) The viva-voce Board shall be constituted by the Vice Chancellor for each candidate soon after receipt of favourable Reports from all the adjudicators. It shall have the following composition:
   1. Research Supervisor -Chairperson
   2. Co- Supervisor (s), if any -Co-Chairperson
   3. Identified Adjudicator -Member

b) The board shall conduct the final viva-voce for the candidate to defend his/her Ph.D. thesis.

c) The board shall submit its detailed report in the prescribed format to the University.

Ph.D.-3.1.4 Other Boards and Committees

a) The Vice Chancellor may constitute other Boards/Committees in connection with other specific requirements in the conduct of the Ph.D. programme.

b) The duties/responsibilities and other details of these Boards/Committees shall be notified by the University as and when they are constituted.

Ph.D.-4 SUBJECT/TITLE OF RESEARCH AND NATURE OF RESEARCH PROGRAMME

Ph.D.-4.1 List of Faculties

The University shall permit the registration for Ph.D. in the following Faculties, namely,

a) Faculty of Engineering
b) Faculty of Architecture
c) Faculty of Science
d) Faculty of Management Studies

Ph.D.-4.2 Inter-Disciplinary Subject Areas

a) It shall also be possible for a candidate to pursue Ph.D. research in a subject area of inter-disciplinary nature in the same Faculty in which the candidate has obtained the PG degree or across two or more Faculties in the University.

b) The admission of such candidates shall be subject to Ph.D. – 5.2.5

Ph.D.-5 ELIGIBILITY FOR ADMISSION

Ph.D.-5.1 Eligibility Requirements

The eligibility requirements for candidates to get admitted to the Ph.D. programme shall include the following:

Ph.D.-5.1.1 Categories of Candidates and Other Requirements

There shall be provision for the following categories of candidates for admission to Ph.D:

a) **Full-Time**: Candidates to pursue Ph.D. research on full time basis shall also include QIP/FIP scholars and those belonging to Integrated Degree programmes such as M.Sc.(Engg.) by Research/(Full-Time)M.Tech. /M.Arch. + Ph.D.

b) **Part-Time:** In-service candidates having a minimum professional experience of one year after their PG Degree from among the regular faculty members working in any Engineering College /Polytechnic / University / Deemed to be University (recognized / accredited by appropriate bodies in India) or research staff of public / private organizations shall be eligible to pursue Ph.D. research on a part time basis.

c) **Full-Time (Special):**NRI/FN/PIO candidates shall be eligible for admission to Full

Time Ph.D. research as indicated in 5.1.1 a). However, the candidates shall have passed the UG / PG programmes with medium of instruction in English or qualified in TOEFL/ELTS, or equivalent and be able to communicate in English and also submit the thesis in English language only.

d) **Integrated Degree:** Students registered for M.Sc.(Engg.) by Research(Full- Time)/ M.Tech./M.Arch, may be allowed to upgrade to Ph.D. as per 5.2.1 a) as applicable on a case by case basis.

e) **Distance mode:** Candidates with MBA and MCA Degrees obtained through distance mode from UGC/DEC approved institutions may be allowed to register for Ph.D. as per UGC/AICTE norms on condition of two years teaching/research experience after completion of their PG Degree award.

Ph.D.-5.1.2 Study leave/Employment/Clearances

a) Employed candidates, who take up Ph.D. Programme on full time basis, shall produce NOC from their employer/organization(s) with a sanctioned study leave for a minimum period of three years with full salary.

b) Unemployed Candidates who take up Ph.D. programme on full time basis shall not be allowed to take up any employment during such period of Ph.D. work. However, they can apply for scholarship / fellowship / stipend/ assistantship**,** if any, with intimation to the University.

c) Foreign students shall hold valid passport/visa, clearance from MHRD and other documents as mandated by the GoI throughout their studentship at the University.

Ph.D.-5.2 Minimum Qualifications to be Satisfied

The minimum academic qualifications required for seeking admission to the Ph.D. Programme, shall be as given below in respect of the different Faculties:

Ph.D.-5.2.1 Faculty of Engineering

a) The candidates shall possess a Master's Degree in Engineering / Technology or equivalent or M.Sc.(Engg.) by Research degree from the University or any other University recognized by it, with a minimum CGPA of 6.75 out of 10 or 60% aggregate marks at either the Bachelor's or the Master's Degree.

b) The candidates possessing Bachelor's Degree in Engineering / Technology or equivalent recognized by the University with outstanding merit, having either a minimum CGPA of 7.75 out of 10 or 70% aggregate marks and published research papers in refereed journals or filed/ obtained patents shall also be eligible for admission, subject to approval by the Admissions Committee.

c) The candidates pursuing M.Sc.(Engg.) by Research Degree at the University who have successfully completed the prescribed coursework in the first two semesters of study with outstanding merit of either a minimum CGPA of 7.75 out of 10 or 70 % aggregate marks and published research papers in refereed journals or filed/obtained patents shall be eligible for up-gradation to the Ph.D. Integrated degree programme, subject to approval by the Admissions Committee.

d) The candidates pursuing M. Tech. Degree at the University who have successfully completed the prescribed coursework in the first three semesters of study with outstanding merit of either a minimum CGPA of 7.75 out of 10 or 70 % aggregate marks and published research papers in refereed journals or filed/obtained patents shall

be eligible for up-gradation to the Ph.D. Integrated Degree Programme, subject to approval by the Admissions Committee.

Ph.D.-5.2.2 Faculty of Architecture

a) The candidates shall possess Master's Degree in Architecture / allied specialization or equivalent recognized by the University, with a minimum CGPA of 6.75 out of 10 or 60% aggregate marks at either the Bachelor's or the Master's Degree in the respective discipline.
b) The candidates possessing Bachelor's Degree in Architecture or equivalent recognized by the University with outstanding merit, having either a minimum CGPA of 7.75 out of 10 or 70% aggregate marks and published research papers in refereed journals or filed/ obtained patents shall also be eligible for admission to the Ph.D. Integrated degree programme, subject to approval by the Admissions Committee.
c) The candidates possessing Bachelor's Degree in Architecture or equivalent recognized by the University, with 10 years of experience in teaching/research/ professional practice in Architecture shall also be eligible for admission, subject to approval by the Admissions Committee.
d) The candidates pursuing M. Arch. Degree at the University who have successfully completed the prescribed coursework in the first three semesters of study with outstanding merit having either a minimum CGPA of 7.75 out of 10 or 70 % aggregate marks and demonstrated good research aptitude shall be eligible for up-gradation to the Ph.D. Integrated Degree Programme, subject to approval by the Admissions Committee.

Ph.D.-5.2.3 Faculty of Science

The candidates shall possess M.Sc. / M.Phil. Degree in Physics/ Chemistry/ Mathematics/ MCA, and such other allied disciplines, recognized by the University with a minimum CGPA of 6.75 out of 10 or 60 % aggregate marks at either the Bachelor's or the Master's Degree.

Ph.D. 5.2.4 Faculty of Management Studies

The candidates shall possess MBA/equivalent Degree from a recognized University with a minimum CGPA of 6.75 out of 10 or 60% aggregate marks at the Master's degree.

Ph.D.-5.2.5 Inter-Disciplinary Subject Areas

The candidates desirous of pursuing Ph.D. in subject areas of interdisciplinary nature (as per Ph.D.-4.2) shall fulfill the following eligibility requirements:

a) The candidate shall possess the Master's Degree in appropriate branch/subject/discipline recognized by the University, with a minimum CGPA of 6.75 out of 10 or 60% aggregate marks.
b) The candidate shall submit the title of the research area and the research proposal along with his/her application for admission.
c) The research areas /proposal shall receive commendation /positive recommendation of the Admission Committee, who may, under approval of the Vice Chancellor, constitute expert Committee to evaluate the same.
d) In such cases, the Degree shall be awarded in the subject/ discipline in which the candidate has registered for the Ph.D. programme.
e) Further, if required, Co-Supervisor(s) from appropriate discipline(s) may be assigned

Ph.D.-5.2.6 **Other**

a) Foreign candidates for Full-Time – Special Ph.D. programme shall have obtained their UG and/or PG Degrees in the appropriate branch (as specified under Regulations Ph.D. 5.2.1-5.2.5) from a University recognized/accredited by approved bodies in India.
b) They shall have adequate proficiency in English as demonstrated by qualifying in the relevant National/International tests.

Ph.D.-5.3 **Relaxation of Minimum Requirements**

A candidate belonging to SC/ST/Category-I/ differently-abled or any other reserved category as notified by GoK from time to time shall have relaxation of 5% or equivalent grade in the minimum prescribed qualification level for the general category.

Ph.D.-5.4 **Admission for Research Supervisor**

A Research Supervisor can also be a Research Scholar under this University.

Ph.D.-6 **RECOGNITION / FUNCTIONING OF RESEARCH SUPERVISOR**

Ph.D.6.1 **Procedure for Recognition**

a) The University shall invite applications periodically on its website or by notification, from eligible faculty members, scientists and others for being recognized as Research Supervisors under all its Faculties. The prospective Research Supervisors shall apply in the prescribed format, with all the necessary supporting documents to the University in response to such a notification.
b) An Expert committee under each Faculty, constituted by the Vice-Chancellor shall scrutinize the applications received and recommend the names of selected persons to be recognized as Research Supervisors to the AS and EC for their approval. On getting approved, each Research Supervisor shall receive a communication from the University clearly indicating relevant provisions in these Regulations and the UGC norms to be adhered to, along with an Identity Card specifying his/her Research Supervisor Registration Identity (RSRI). The list of Research Supervisors along with their research areas shall be updated periodically, notified to all the Research Centres and widely publicized on the University website.
c) Upon Recognition, a Research Supervisor shall become eligible to supervise/guide the Ph.D. candidates of the University as prescribed under Ph.D.-7.1. The validity period of RSRI shall be up to the end of the academic year in which the Research Supervisor attains the age of 62 years. However, the recognition shall stand withdrawn if any Research Supervisor fails to supervise at least one Ph.D. candidate in a continuous period of five years. In such a case, fresh registration shall be sought if required by the faculty member/scientist by going through the procedure outlined under a) and b) above.

Ph.D.-6.2. **Eligibility for Recognition as Research Supervisor**

a) A Faculty member working in a recognized academic institution and/or a Scientist/Engineer working in a recognized research establishment/ industry shall be eligible for recognition, provided he/she has:
   (i) Ph.D. degree from a recognized University in the relevant discipline(s).
   (ii) A minimum of two research papers in refereed journals during the preceding five years.

(iii) Independent research experience of at least one academic year, after obtaining the provisional Ph.D. degree award

b) A person awarded Ph.D. degree from Foreign University shall submit an equivalence certificate obtained from UGC/AIU and VTU to be recognized as Research Supervisor under VTU.

Ph.D.-6.3 Functioning of Research Supervisor

a) There shall be a possibility of allowing a Co-Supervisor in addition to Research Supervisor for a candidate registered for the Ph.D. Degree at a Research Centre.

b) In the case of interdisciplinary subject area(s), a candidate may have two supervisors, of which one shall be designated as the Research Supervisor and the other as the Co-Supervisor, with either of them being from the Research Centre where the candidate has registered for Ph.D.

c) A Research Supervisor shall not opt to become Co-Supervisor for more than *five* candidates at any time.

d) No Research Supervisor/Co-Supervisor shall supervise his/her close relative or spouse for Ph.D. Degree of VTU.

Ph.D.-7 INTAKE

Ph.D.-7.1 Number of Candidates per Research Supervisor

The following norms / procedure shall be strictly adhered to while assigning Research Supervisors to the candidates admitted at a Research Centre. Any violation of these norms/ procedure shall result in the University taking serious steps like de-recognition of the Research Centre or the Research Supervisor.

a) Each Research Supervisor/Co-Supervisor shall supervise/guide at a time, not more than:

(i) Eight candidates if he/she is Professor;
(ii) Six candidates if he/she is Associate Professor; and
(iii) Four candidates if he/she is Assistant Professor.

Category of Supervisor/ Co-Supervisor	**Maximum no. of candidates**	**SC/ST/ Cat-I candidates**	**Differently-abled or any other reserved category candidates**	**Foreign candidates**	**General Merit candidates**
Professor Level	08	01	01	02	04
Associate Professor level	06	01	01	01	03
Assistant Professor level	04	01	01	nil	02
If a guide does not enroll a foreign candidate, the vacant seat may be shifted to General Merit					

This shall include the candidates registered under the same Research Supervisor/Co-

Supervisor at other Universities, if any, with the prior written approval of the VC.

b) Of the number of candidates permitted to be registered under a Research Supervisor as above, there shall be seats reserved for SC/ST/Category-1/Differently-abled candidates in each case as per the Reservation Policy of GoK.

c) The seats reserved for SC/ST/Category-1/ Differently abled candidates shall be mutually interchangeable as per UGC norms, but not transferrable to the General Pool.

d) The candidates registered for Ph.D. under a Research Supervisor/Co-Supervisor who have completed the final Viva-Voce shall not be considered while counting the number of candidates assigned to a Research Supervisor/ Co-Supervisor.

e) A Research Supervisor shall not be assigned more than *25%* of the permitted allocation (as per Ph.D.-7.1 a)) of the newly admitted candidates during an academic year.

f) The Admissions Committee shall have the power to allocate up to a maximum of 50% of the permitted allocation of the newly admitted candidates to a Research Supervisor during an academic year under very special circumstances, subject to approval by the VC.

g) A Research Supervisor shall not be assigned any new candidates for Ph.D. at a Research Centre if he/she has less than three years of service left before the prescribed age of retirement from the Centre concerned as on the opening day of the academic year.

h) Reservation Policy

The University shall follow the Reservation Policy of GoI and GoK as applicable from time to time, for the total number of candidates admitted to the Ph.D. programme in an academic year.

Ph.D.-7.2 Change of Research Centre

a) The candidates shall have the possibility to shift from one Research Centre to another within the University due to reasons like, lack of research facilities, non-availability of Research Supervisor(s) and need for special facilities in the case of women candidates.

b) In all such cases, the decision of the Admissions Committee shall be final and binding.

Ph.D.-8 NOTIFICATION

Ph.D.-8.1 University Notification

The University may all for Applications for Admissions normally once in an academic year covering :

(i) The procedure to be followed for Ph.D. admissions;
(ii) Eligibility requirements, i.e., Ph.D.-5 to be satisfied for getting admitted;
(iii) Number of seats to be filled branch/ subject area-wise at each VTU-RC;
(iv) Division of seats to be filled in the general and the reserved categories;
(v) VTU-ETR details-Dates, Centres, Syllabi etc., and How to apply;
(vi) Calendar for pre-registration interview, semesters, other events;
(vii) Information on available scholarships, assistantships, if any.

The admissions shall be made twice annually at the beginning of each semester based on the candidate's rank in the VTU-ETR and the pre-registration interview performance, both being conducted only once in a year.

Ph.D.-9 SUBMISSION OF APPLICATIONS AND THEIR PROCESSING

Applications from the eligible candidates shall be submitted as follows:
All eligible candidates satisfying the requirements as in Ph.D. – 5 shall submit their applications for VTU-ETR and Ph.D. admission to the University in the prescribed format along with necessary documents; viz., attested copies of degree certificate(s), marks cards of all the related examinations, employer's certificate if employed, and such other documents as may be prescribed.

Ph.D.-9.2 Functions/Responsibilities of the Admissions Committee

The Admissions Committee shall arrange for:

(i) Scrutinizing of the applications to determine their eligibility, including those eligible for exemption from the VTU-ETR;
(ii) Conducting the VTU-ETR and getting the answer scripts evaluated;
(iii) Preparation of the merit- list(s) of candidates based on the VTU-ETR score in percentile format;
(iv) Deciding on the number of candidates from the merit list(s) to be called for pre-registration interview for VTU-RC;
(v) Conducting pre-registration interview for such short listed candidates.

Ph.D.-10 VTU-ETR

Ph.D.- 10.1 Conduct of VTU-ETR

a) All the eligible applicants shall appear for the VTU-ETR which shall be arranged to determine the candidate's aptitude for research. The percentile score obtained by the candidates in the VTU-ETR shall form the basis for preparing the merit list of successful candidates which shall be valid for *two* academic years only.
b) Separate merit lists so organized for the General and Reserved category candidates shall be notified by the Admissions Committee at the University Office, VTU Regional Centre Offices and on its website.
c) Only those candidates having percentile score in the VTU-ETR of >=50 in the case of General category and >=45 in the case of Reserved category shall be in the list(s) of short listed candidates for being called for the pre-registration interview during the year.
d) Eligible candidates shall be free to re-appear at the VTU-ETR again in a later year, if required to improve their percentile score to get into the merit list(s).

Ph.D.-10.2 Exemption from VTU-ETR

The following categories of candidates may be exempted from appearing at VTU-ETR with the approval of Admissions Committee:

(i) Full-time (Special) candidates.
(ii) Faculty members selected under QIP / FIP.
(iii) Candidates qualified in the UGC-NET(including JRF)/UGC-CSIR NET (including JRF) / SLET / GATE/ CAT or other similar national tests and having qualifying percentile scores in their respective validity periods**;**
(iv) Candidates with M.Phil. Degree or equivalent as recognized by the University.

Ph.D.-10.3 Eligibility for Pre-Registration Interview

a) Candidates successful in VTU-ETR as per Ph.D.-10.1 and those from the categories

listed in Ph.D.-10.2(iii-iv) shall be included in the lists of qualified candidates to appear for the pre-registration interview. However, candidates under Ph.D.-10.2(i-ii) shall be considered for admission on a case by case basis by following AICTE/UGC directions.

b) The number of candidates to be called for pre-registration interview at a Research Centre shall be determined from the lists in a) above by the Admissions Committee based on the intake capacity in the year.

Ph.D-11 PRE-REGISTRATION INTERVIEW

Ph.D.-11.1 Expert Committees

a) The Admissions Committee shall arrange the conduct of pre-registration interview of those candidates called for this purpose as per Ph.D.-10.3 b). The object of pre-registration interview shall be to assess the suitability of a candidate to take up the proposed research work.

b) For this purpose, the VC shall constitute Expert Committees for each subject area in which the candidates are being considered for admission, based on the Admissions Committee recommendation.

Ph.D.-11.2 Conducting Interview

a) The Expert Committee meetings for pre-registration interview shall be held on date/time and at venue(s) as decided by the Admissions Committee and notified to the Expert Committee(s) and the candidates concerned.

b) The scope of interview shall be to judge the candidate's knowledge and experience in the subject area concerned and his/her preparations to take up the proposed research work.

c) Only those candidates successful in the pre-registration interview shall be considered for provisional admission as students for Ph.D.

Ph.D.-11.3 Interview Performance

a) If the performance of a candidate is not satisfactory at pre-registration interview, the Admissions Committee may provide one more chance subsequently to the candidate to appear at the Pre-Registration interview provided he/she meets the validity requirements for eligibility as per Ph.D.-10.1 and Ph.D.-10.2.

b) The Admissions Committee may suggest to such candidates as in a) above improvements if any, in the Title/Synopsis presented by each of them at the interview, with a view to assist them in the future.

c) The candidate(s) failing in the interview even in the second attempt shall not be eligible for being considered further for Ph.D. admission. Such candidate(s) shall have to appear for VTU-ETR afresh to become eligible again, if required.

Ph.D.-12 PREPARATION OF MERIT LIST OF SUCCESSFUL CANDIDATES FOR PROVISIONAL REGISTRATION

Ph.D.-12.1 Merit Lists after Pre-Registration Interview

a) Separate merit lists for all the General and Reserved Category candidates shall be prepared by the Admissions Committee for the candidates from the lists in Ph.D.-10.3 based on their performance in the pre-registration interview and also in the qualifying examination in the ratio of 70:30.

b) Candidates who have cleared the national tests and those with M.Phil. Degree as per Ph.D.-10.2(iii-iv) shall be placed in separate lists in order of their merit in the pre – registration interview and the qualifying examination.

Ph.D.-12.2 Preparation of Consolidated Merit List

a) The Admissions Committee shall prepare a consolidated merit list of candidates qualifying for Ph.D. admission immediately after the pre-registration interview as per Ph.D.-12.1 and notify the same at the University/Regional Centres and on the web site.
b) Only the candidates in the consolidated merit list shall be considered for filling the existing vacancies at the respective Research Centres in both the semesters (I and II) of the year.

Ph.D.-12.3 Admissions Procedure

a) The Admissions Committee shall submit the consolidated merit list to the University for facilitating the provisional registration of candidates as per their rank in the list.
b) The University shall communicate the merit list of selected candidates to each Research Centre along with the semester (I or II) in the year preferred by the candidate to get admitted.
c) All candidates unsuccessful in completing the process of admission for any reason may approach the Admissions Committee for reconsideration, if required.
d) Upon successful interaction with the proposed Research Supervisor(s), each candidate shall submit his/her Research Proposal/Outline in the prescribed format to the University through the Research Centre concerned for the purpose of provisional registration to the Ph.D. Programme. This shall be mandatory for all the candidates.
e) The Research Proposal/Outline shall consist of the state-of-the-art, objectives, methodology, work plan and relevance of the proposed research area. The candidate shall also indicate therein, the related branch of Engineering/Technology, Architecture, Science, Management Studies, Inter-disciplinary areas and/or allied fields.
f) A candidate desirous of upgrading his/her M.Sc. (Engg.) by Research registration to the M.Sc.(Engg.) by Research + Ph. D Integrated Degree programme, shall submit his/her research proposal to the University before the end of the *third* Semester in the programme, which shall be the basis to determine his/her research capabilities by the Admissions Committee.
g) A candidate desirous of upgrading his/her M.E./ M. Tech. / M. Arch. registration to M.E./M. Tech./M.Arch. + Ph. D Integrated Degree programme, shall submit his/her research proposal to the University before the end of the *third* Semester, which shall be the basis to determine his/her research aptitude by the Admissions Committee.
h) Each candidate shall have to seek admission only in such branch of major discipline for which the department concerned is recognized as Research Centre by the University.
i) The provisional registration of the candidate shall commence from the beginning of I or II semester as preferred in the application for admission to the Ph.D. programme.
j) At this stage, each candidate shall also submit to the University a panel of *four* domain experts proposed by the Research Supervisor(s) assigned through the Research Centre for constituting the Doctoral Committee.
k) Prescribed fees shall be paid by each candidate to the University for completing the provisional Ph.D. registration.

Ph.D.-12.4 The Ph.D. Programme

a) Upon receiving the research proposal / outline and the panel of domain experts proposed along with the prescribed fees for the candidate, the Vice Chancellor shall constitute the Doctoral Committee as per Ph.D. 3.1.2.

b) After provisional registration, the Ph.D. programme of the candidate shall consist of three parts to be cleared in sequence, namely,

Part-I : Coursework
Part-II : Comprehensive Vice-Voce
Part-III : Pre-Submission Colloquium, Synopsis and Thesis Submissions.

These shall be followed by Thesis evaluation and its defense by the candidate at the end.

c) The Coursework for all candidates listed under Ph.D.- 5.2 shall be as prescribed under Ph.D.- 14.

d) Each candidate shall be free to apply for a change in the Research topic /Coursework for the consideration of the Doctoral Committee before the completion of Part-I. But, the candidate shall not be permitted to change the Research topic after the completion of Part-II of the programme.

e) All the Ph.D. registrations shall be provisional initially and they shall be confirmed only on the successful completion of both Part-I and Part-II.

Ph.D.-12.5 Role of Doctoral Committee

a) The Doctoral Committee shall scrutinize and approve the Coursework (Part-I), conduct Comprehensive Viva-Voce (Part-II), and review/monitor periodically (at least once in six months) the research progress of each candidate concerned until submission of his/her Ph.D. Thesis.

b) The Progress report of the candidate shall be forwarded by the Doctoral Committee to the University regularly only after conducting his/her six-monthly review.

Ph.D.-13 CHANGE OF RESEARCH SUPERVISOR

Ph.D.-13.1 Procedure to be Followed

a) The request by a candidate for change of Research Supervisor and/or Co-Supervisor shall be permitted by the University only under exceptional circumstances, as determined by the Research Centre and the Doctoral Committee.

b) In other cases like transfer, retirement or resignation of the Research Supervisor/Co-Supervisor before the candidate's submission of the thesis, the Dean shall normally permit the candidate to continue to work under the same Research Supervisor/Co-Supervisor or in exceptional cases, permit an alternative arrangement with the consent of the Doctoral Committee

Ph.D.-13.2 Handling of Conflict

In the case of any conflict between the Research Supervisor and/or Co-Supervisor and the candidate, the Research Centre shall on receipt of request letter from either of the parties or both refer the matter to the Vice Chancellor. The decision of the Vice Chancellor shall be final in this regard.

Ph.D.-14 PART-I :COURSEWORK

Ph.D.-14.1 Proposing Coursework

a) Each candidate provisionally registered for the Ph.D. programme shall have to go through the prescribed coursework choosing four subjects for Faculty of Engineering and Faculty of Architecture and 6 subjects for Faculty of Science and Faculty of Management Studies out of which one subject namely Research Methodology is compulsory. The remaining three courses shall be pertaining to their Research work as decided by the Doctoral Committee and obtain a minimum of 60 % in each course registered.

b) The coursework shall include Research Methodology covering areas such as quantitative methods, computer applications, research ethics, reviewing of published research in the relevant field, field work, statistical methods, intellectual property rights and related topics.

c) The remaining credit requirements in each case shall be met from advanced level courses in the relevant areas as approved by the BoS concerned and the AS and as notified by the University. Courses from these lists shall be prescribed by the Research Supervisor and Co-Supervisor (if any) in consultation of the Research Centre and approved by the Doctoral Committee concerned.

d) Courses prescribed for the Coursework shall be selected from different groups in such a way that there shall be a minimum of one course, but not more than two courses from the same group, if grouped by the Faculty/ BoS concerned.

e) The University shall have the freedom to revise and notify the approved courses in the list(s) from time to time

f) In all the cases, the prescribed coursework may be completed satisfactorily within the first two semesters of provisional registration of the candidate(s). However, in no case the time period for completing the coursework shall exceed four semesters.

g) The University may arrange the approved course on Research Methodology at one or more of its campuses as often as required and the provisionally registered candidates shall avail of this facility.

h) Candidates undergoing Coursework shall submit their applications in the prescribed format together with the relevant fees to the University for course-end Examination as and when notified by the University.

i) Candidates already having M.Sc.(Engg.) by Research degree or those who have completed their coursework for these degrees and got admitted to the Integrated Ph.D. programme shall be exempted from the above coursework.
Provided they have undergone a course on Research Methodology as prescribed by the University.

Ph.D.-14.2 Setting up of Question Papers

a) Question papers shall be set by the identified examiners appointed for this purpose by the University from the panel recommended by the Admissions Committee.

b) Each question paper shall be set for maximum marks of 100 and it shall have similar format as prescribed for Master's degrees of VTU.

c) The question paper setters and answer paper valuators shall have Ph.D. Degree in the relevant field.

Ph.D.-14.3 Evaluation of Answer Scripts

Answer scripts of all the candidates shall be valued independently by two valuators.

Ph.D.-14.4 Averaging of Marks Awarded

If the difference between the marks awarded by the two valuators is=<14%, the marks awarded to the candidate shall be the average of the two valuations.

Ph.D.-14.5 Appointment of Third Examiner

If the difference between the marks awarded by the two examiners is >= 15%, a third examiner shall be appointed to evaluate the answer script(s) concerned. The average of the marks of the nearest two valuations shall be considered as the marks secured by the candidate. However, if one of the three evaluations is exactly midway between the other two, then the higher two marks shall be taken for averaging and the resulting average shall be awarded to the candidate.

Ph.D.-14.6 Prescribed Passing Standards

a) For passing the Coursework (Part-I), the candidate shall obtain a minimum of 60% marks in each course registered.
b) Candidates shall be required to pass in each course in a maximum of two attempts i.e. within one year in two semesters.
c) The University shall have the provision to issue Marks Card(s) to the candidates for the completion of the coursework.

Ph.D.-14.7 Norms for Maintaining Provisional Registration

The following norms/standards shall be applicable to all the candidates for maintaining their provisional registration:

a) The coursework shall be completed and cleared by each candidate with a minimum of 60% marks in each course within two consecutive coursework examinations conducted by the University from the date of provisional registration.
b) The provisional registration of candidates failing to fulfill the above requirements shall be automatically cancelled. Such candidates shall seek provisional registration for Ph.D. afresh, if required.

Ph.D.-15 PRESCRIBED RESIDENCE PERIOD

Ph.D.-15.1 Mandatory Residence Period for Part-Time Candidates

a) A Part-Time Research candidate shall put in a minimum of *fifteen* days of residence in every semester at his/ her Research Centre before every review of the Doctoral Committee till the submission of the final Synopsis. This residence requirement shall be utilized by the candidate for the purpose of coursework preparation as well as formulation/investigation of the research problem.
b) Each Part-Time candidate shall submit to the University through his/her Research Centre a Certificate issued by the Research Supervisor/Co-Supervisor for completing the above residence requirement.

Ph.D.-16 PROGRESS REPORTS / PERIODIC REVIEW BY THE DOCTORAL COMMITTEE

Ph.D.-16.1 Procedure for Review

a) The Doctoral Committee shall periodically review the research progress of the

candidate, at least once in six months until the submission of the Thesis.

b) Each candidate shall submit a research progress report in the standard format to the Doctoral Committee, *two* weeks prior to the schedule of the meeting. The half-yearly progress report shall cover the aspects such as, new data collected / obtained, techniques developed, progress in research, discussion of the work done during the review period, new findings and work plan for the future. Research papers prepared/published, if any, shall also be submitted.

c) The candidate shall make oral presentation of the research progress before the Doctoral Committee. And, the Doctoral Committee shall communicate the satisfactory research progress or otherwise of the candidate to the Research Centre for onward transmission to the University.

Ph.D.-16.2 Cancellation of Registration

a) The Doctoral Committee shall be free to recommend the cancellation of Ph.D. registration of the candidate if,
   (i) Two consecutive research progress reports not adjudged to be satisfactory, and/or
   (ii) Two consecutive research progress reports not submitted;

b) Before recommending cancellation of registration, the Doctoral Committee shall issue a show-cause notice to the candidate, seeking his/her explanation.

c) If the explanation is not agreed by the Doctoral Committee, the candidate shall be free to appeal to the Vice-Chancellor with valid reasons, seeking intervention. The decision of the Vice-Chancellor in this regard shall be final.

Ph.D.-16.3 The Integrated Degree Programme

The above procedure shall also be applicable for candidates registered for the Integrated Ph.D. programme.

Ph.D.-17 PART-II:COMPREHENSIVE VIVA- VOCE

Ph.D.-17.1 Requirements to be satisfied for Comprehensive Viva-Voce

a) In the case of full-time candidates, the comprehensive Viva-Voce shall be conducted within three semesters from the date of provisional registration. And this can be held within four semesters from the date of provisional registration in the case of part time candidates.

b) Each candidate shall be required to submit a written request to the University through his/her Research Centre for the conduct of his/her comprehensive Viva-Voce, within six months of the successful completion of Coursework (Part-I).

c) In the case of health / employment related problems of a candidate unable to take the comprehensive Viva-Voce as above, the University shall be free to allow a further period of six months for this purpose, on receipt of a written request from the candidate with the recommendations of his/her Research Supervisor(s) and the Doctoral Committee forwarded through the Research Centre.

d) However for whatever reason(s), if the comprehensive Viva-Voce is not completed within three years from the date of provisional registration, the admission of the candidate shall stand automatically cancelled.

Ph.D.-17.2 Scheduling Comprehensive Viva-Voce

The Research Centre, in consultation with the Doctoral Committee and the University, shall schedule the date/time for the comprehensive Viva-Voce preferably within four weeks upon

receipt of the written request from the candidate for this.

Ph.D.-17.3 Conduct of Viva-Voce

a) The Doctoral Committee shall conduct the comprehensive Viva-Voce in English language only.
b) The comprehensive Viva-Voce shall be a closed-door oral examination consisting of the Doctoral Committee members (as examiners), and the candidate. The Doctoral Committee shall be free to invite additional examiner(s) if need be for assisting it in the Viva-Voce, chosen from amongst a panel of two experts recommended by the Research Supervisor.

Ph.D.-17.4 Content and Form of Viva-Voce

a) The Comprehensive Viva-Voce shall consist of a presentation by the candidate on his/her topic of research, including the work done till date and the proposed future work.
b) The Doctoral Committee (and the additional examiner(s), if present) shall test the candidate for fundamental concepts in the coursework and applied knowledge to carry out the proposed research work.

Ph.D.-17.5 Performance Standards at Viva-Voce

The Doctoral Committee shall communicate the result of the Comprehensive Viva-Voce to the University through the Research Centre as:

a) The Committee is satisfied at the successful completion of Viva-Voce and the candidate shall continue the research work. OR
b) The Committee indicates the deficiencies in specific areas in which the candidate needs strengthening of knowledge and suggesting a date preferably within the next three months for re-examination.
c) If the Doctoral Committee does not recommend the continuation of research work by the candidate even after the second attempt, the provisional registration of the candidate shall stand cancelled automatically.

Ph.D.-18 CONFIRMATION OF Ph.D. REGISTRATION

Ph.D.-18.1 After the successful completion of coursework (Part-I) and the Comprehensive Viva-Voce (Part-II), the Doctoral Committee shall recommend to the University for issuance of notification to the candidate on Confirmation of Registration.

Ph.D.-18.2 Issue of Notification

a) The University shall issue a notification within fifteen days from the date of receipt of the communication from the Doctoral Committee.
b) The Notification shall specify the date from which the candidate's registration for the Ph.D. programme is confirmed.

Ph.D.- 19 OPEN SEMINARS

Ph.D.-19.1 Mandatory Pre-Ph.D. Seminars to be given

a) Prior to the submission of the Synopsis (required under Part-III), each candidate shall give two pre-Ph.D. presentations, commonly known as, open seminars at the Research Centre.

b) These Seminars shall be open to all the faculty members and research scholars and arranged with the object of getting feedback and comments/suggestions from them, for being suitably incorporated into the Ph.D. Thesis, under the advice of the Research Supervisor/Co-Supervisor.

Ph.D.-19.2 Pre-Submission Colloquium

a) The candidate shall also present a pre-submission colloquium before the Doctoral Committee, demonstrating his/her preparedness to submit the Synopsis to the University.
b) The Candidate shall be free to submit the Synopsis to the University at this stage, together with the recommendations of the Doctoral Committee on the Open Seminars and the Pre-Submission Colloquium of the candidate, if both of them are satisfactory.
c) However, if the performance of the candidate in the Pre-Submission Colloquium is not satisfactory, the Doctoral Committee may point out the deficiencies, if any and ask the candidate to repeat the Colloquium once more within three months. And, only on satisfactory performance at this stage, the Doctoral Committee shall be free to permit the candidate to submit the Ph.D. thesis.

Ph.D.-19.3 Permission for Submission of Thesis

Considering the research work of the candidate, his/her performance in the pre-submission colloquium and other technical aspects, the Doctoral Committee shall be free to permit the candidate to submit the Thesis.

Ph.D.-19.4 Anti-Plagiarism Check and Submission of the Thesis

a) The candidate's thesis shall undergo plagiarism check as per the norms of VTU.
b) The plagiarism shall be checked by software approved by VTU and the percentage of plagiarism (similarity Index) shall be as permitted by VTU owing to software limitation to identify the self-written research papers and definitions and common theory.
c) The candidate may be given two more chances by the University to re-submit the thesis for plagiarism checking, if the plagiarism level is found unacceptable.
d) Suitable fees shall be charged to the candidate by the University for Plagiarism checks conducted.

Ph.D.-20 PUBLICATION REQUIREMENTS

Ph.D.-20.1 Mandatory Publications requirement

Each candidate shall publish a minimum of two research papers in Refereed Journals based on his/her research work for the Ph.D. degree, before submission of the Synopsis for adjudication, and produce evidence for the same in the form of reprint or acceptance letter from the Publisher(s) of the Journal.

Ph.D.-21 VALIDITY PERIOD OF REGISTRATION

Ph.D.-21.1 Maintenance of Registration

During the period when the registration of the candidate is in force, the candidate shall pay the prescribed tuition and other fees to the University/Research Centre at the notified time intervals

Ph.D.-21.2 Minimum Period for Submission of Thesis by Full-Time Candidates

Full-Time candidates for the Ph.D. Degree including those upgraded to the M.Sc.(Engg.) by Research /M.Tech./M. Arch. + Ph.D. Integrated programmes, shall be normally eligible for submission of the thesis after a minimum period of three years from the date of provisional registration, subject to fulfillment of all the prescribed requirements.

Ph.D.-21.3 Minimum Period for Submission of Thesis by Part-Time Candidates

Part -Time candidates for the Ph.D. Degree shall be normally eligible for submission of the thesis after a minimum period of four years from the date of provisional registration, subject to fulfillment of all the prescribed requirements.

Ph.D.-21.4 Maximum Period for Submission of Thesis by Full-Time Candidates

a) The maximum period for submission of the Ph.D. Thesis by Full-Time candidates including those upgraded to the M.Sc. (Engg.) by Research/M. Tech./M. Arch. + Ph.D. Integrated programmes, shall be six years from the date of provisional registration.
b) But, the Vice Chancellor shall have the powers to extend the maximum period for submission of the Ph.D. thesis by such a candidate on the specific recommendations of the Doctoral Committee forwarded through the Research Centre on receipt of a request for extension from the candidate not less than three months prior to the completion of the stipulated period.
c) The decision of the Vice Chancellor in this regard shall be final.
d) In the case of failure of the candidate to submit the thesis even after the extended period, the registration shall be cancelled, after issuing a show-cause notice to the candidate.
e) The University shall give special consideration to women and persons with disability (>40% disability) and give further relaxation of up to two years if the candidates request for the same.
f) In addition, women candidates shall avail of Maternity Leave/Child Care Leave of up to 240 days once during their Ph.D. programme.

Ph.D.-21.5 Maximum Period for Submission of Thesis by Part-Time Students

a) The maximum period for submission of the thesis for Part-Time candidates shall be six years from the date of provisional registration.
b) But, the Vice Chancellor shall have the powers to extend the maximum period for submission of the Thesis by such a candidate on the specific recommendations of the Doctoral Committee forwarded through the Research Centre on receipt of a request for extension from the candidate not less than six months prior to the completion of the stipulated period.
c) The decision of the Vice Chancellor in this regard shall be final.
d) In the case of failure of the candidate to submit the thesis even after the extended period, the registration shall be cancelled, after issuing a show-cause notice to the candidate.
e) The University shall give special consideration to women and persons with disability (>40% disability) and give further relaxation of up to two years if the candidates request for the same.
f) In addition, women candidates shall avail of Maternity Leave/Child Care Leave of up to 240 days once during their Ph.D. programme.

Ph.D.-22 PART III: SUBMISSION OF SYNOPSIS AND THESIS

Ph.D.-22.1 Eligibility

a) Upon qualifying successfully in the Coursework (Part-I) and the Comprehensive Viva-Voce (Part-II)and satisfactory research progress followed by publication(s) in Refereed Journal(s) and Pre-Submission Colloquium, the candidate shall be ready to submit the Research work to the Doctoral Committee.

b) The Doctoral Committee after considering the progress made by the candidate may recommend the candidate to take steps to submit to the University the Synopsis first followed by the Thesis within the validity period.

Ph.D.-22.2 Submission of Synopsis

a) At least three months prior to the submission of the thesis, the candidate shall submit a Synopsis of the thesis in English language. The Synopsis shall be in the standard format prescribed by the University.

b) It shall be submitted to the University through the Research Centre concerned in two hard copies and one soft copy together with:
   (i) Application for adjudication of the thesis.
   (ii) Certificate from the Research Supervisor(s) stating the candidate's fulfillment of various requirements specified under Ph.D.-17 to Ph.D-21.
   (iii) The certificate shall also state that there is *prima facie* case for thesis submission at this stage and that the thesis does not contain any work previously submitted for any award of the degree anywhere.

c) It shall be ensured by the Research Supervisor(s) that "The thesis is based on the individual, original work of the candidate which is previously unpublished research work" by obtaining a suitable undertaking from the candidate.

d) The Research Supervisor(s) shall also ensure that the thesis shall not contain any material infringing on the copyright of any individual/organization and does not hurt the sentiments of any individual or religion.

e) It shall be ascertained by the Research Supervisor(s) that information such as text, tables, equations, diagrams, figures, charts, graphs, photographs taken from various sources has been cited appropriately by the candidate in the thesis.

f) Further, the Supervisor(s) shall also certify that the opinions expressed or implied in the thesis shall be entirely of the candidate.

g) There shall also be a Certificate from the Research Centre that there are no arrears/dues from the candidate up to the date of submission of the thesis.

Ph.D.-22.3 Submission of the Thesis

a) After getting the clearance from the University in this regard, the candidate shall submit two hard copies and one soft copy of the Ph.D thesis based on the research work conducted in the prescribed format to the Research Centre within three months from the date of submission of the Synopsis.

b) The Research Centre shall forward *two* hard copies and *one* soft copy of the thesis to the University for taking further steps on it.

c) In case the candidate is unable to submit the thesis within *three* months from the date of submission of the Synopsis, he/she shall be free to seek extension of time from the VC supported by the recommendations of the Research Supervisor(s) and the Doctoral

Committee forwarded through the Research Centre.

d) The candidate shall also pay the prescribed thesis fees to the University and produce the 'No Dues Certificate' from the Research Centre while submitting the thesis.

Ph.D.-23 ADJUDICATION OF Ph.D. THESIS

Ph.D.-23.1 Panel of Adjudicators

The period of three months between the submissions of Synopsis and the Thesis by the candidate shall be used by the University for deciding the panel of adjudicators.

Ph.D.-23.2 Selection of Adjudicators

a) The Research Centre shall arrange to forward to the University the proposed panel containing details of *twelve* experts for adjudication of the thesis as approved by the Doctoral Committee, of whom *few* experts shall be from abroad. This list shall be forwarded to the University along with the Synopsis.

b) The complete postal address, e-mail ID, Telephone and fax numbers and the broad area of specialization of each adjudicator shall also be provided in the panel submitted.

c) The Vice Chancellor shall choose *two a*djudicators from the suggested panel for adjudication of the thesis, with at least *one* being from outside the country/ Institutes of National Importance such as, IIT's, IISc, NIT's and REC's or National Laboratories and National Research Organisations and send invitation letters to them along with a copy of the Synopsis in each case.

d) Their acceptance shall be preferably obtained within *one month* from the date of invitation, before taking any further steps on the subject.

Ph.D.-23.3 Appointment of Adjudicators to Evaluate the Thesis

a) The University shall arrange for the thesis to be evaluated by the Research Supervisor (and jointly by the Co-Supervisor, if any) and two more Adjudicators identified as per Ph.D- 23.2 c) and d).

b) The three adjudicators as in a) above shall be appointed by the Vice Chancellor to adjudicate the thesis submitted by the candidate.

Ph.D.-23.4 Dispatch of Copies of Theses to Adjudicators

a) The University shall send a copy of the thesis to each adjudicator for evaluation, with a request to evaluate the thesis and send the evaluation report(s) preferably within a period of three months.

b) If the Report is not received from the Adjudicator(s) within this period, a reminder once in a month to that effect shall be sent to the Adjudicator(s) concerned.

c) If any adjudicator does not send the report even after three reminders or does not reply to the communications from the University, the Vice Chancellor shall identify and appoint another adjudicator either from the panel or outside the panel under special circumstances.

Ph.D.-23.5 Receipt of Thesis Reports at the University

a) All the adjudicators shall evaluate the thesis and send their reports (at least 250 words in length) independently to the Registrar (Evaluation). However, it shall be possible to submit a Joint Report in the case of Research Supervisor and Co-Supervisor adjudicating a thesis.

b) The Reports shall include:
   i. A critical analysis of the work of the candidate as embodied in the thesis and an evaluation of the work in terms of its contribution to the advancement of knowledge.
   ii. List of questions to be asked or points to be clarified if any, by the candidate at the final viva -voce.
   iii. A definite recommendation as to whether the thesis attains the standard for the award of Ph.D. degree or not.

c) The Adjudicators shall make any one of the following recommendations that the:
   (i) Thesis is accepted in the present form and recommended for the award of Ph.D. degree. OR
   (ii) Thesis needs minor clarifications indicated in the report which need to be clarified by the candidate at final Viva-Voce and it is recommended for the award of Ph.D. degree. OR
   (iii)Thesis needs minor corrections to be made by the candidate as indicated in the report, which need to be incorporated in the thesis and clarified at the final Viva-Voce and it is recommended for the award of Ph.D. degree. OR
   (iv)Thesis needs major corrections as indicated in the report and the revised thesis to be referred back to the adjudicator concerned for fresh evaluation. OR
   (v) Thesis is rejected for the reasons specified in the report and *not* recommended for award of Ph.D. Degree.

Ph.D.-23.6 Consideration of Thesis Reports

On receiving favourable recommendations from all the adjudicators, including the Research Supervisor(s), the Registrar (Evaluation) shall convey the same to the Research Supervisor(s) along with copies of the Reports received and request to conduct the final Viva-Voce of the candidate.

Ph.D.-23.7 Scheduling of Final Viva-Voce

a) The composition of the Viva-Voce Board shall be as specified under Ph.D.-3.1.3.
b) In case, the identified adjudicator informs in writing his / her inability to be present at the Viva-Voce, the Research Supervisor (s) shall intimate the same to the Registrar (Evaluation), who shall get another examiner from the panel of examiners appointed after approval by the Vice Chancellor.
c) The date/time of the Viva-Voce shall be fixed by the Research Supervisor(s) in consultation with the other member(s) of the Board, the Research Centre and the University.
d) The candidate shall provide clarification(s) to all the queries of the adjudicators satisfactorily at the time of Viva-Voce.

Ph.D.-23.8 Rejection of Thesis, based on Negative Reports

a) If both the external adjudicators (other than the Supervisor(s)) do not recommend the candidate for the award of the Ph.D. degree, the thesis shall be rejected.
b) It shall be open for the candidate to seek registration for this degree at the University, afresh, if required.

Ph.D.-23.9 Appointment of Additional Adjudicator, if necessary

a) The Thesis shall not be accepted for award of the degree if any one of the Adjudicators (other than the Research Supervisor(s)) finds that the research work is not up to the expected standard, as given in his/her report along with detailed reasons for the same.
b) In such a case, the Report shall be considered by the Doctoral Committee concerned to decide on the need to appoint an additional adjudicator.
c) A fourth Adjudicator shall be appointed by the University from the panel, based on this decision, who shall be invited for this purpose, by following Ph.D. 23.2.
d) If the fourth Adjudicator, after evaluating the thesis gives a favorable Report, the Registrar (Evaluation) shall initiate further steps as per Ph.D. 23.5.
e) If the fourth Adjudicator also does not approve the thesis, then the thesis shall be rejected.
f) However, it shall be open for the candidate to seek Ph.D. registration at the University, afresh, if required.

Ph.D.-24 CONDUCT OF FINAL VIVA-VOCE

Ph.D.-24.1 Procedure for Final Viva-Voce

a) The final Viva-Voce shall be conducted by the Viva-Voce Board at a venue approved by the University, which shall, normally be the Research Centre in which the research work was carried out or the Regional Centre of VTU or the institution where the Research Supervisor/Co-Supervisor is based.
b) The composition of Viva-Voce Board shall be as per Ph.D.-3.1.3.
c) The procedure for conducting the Viva-Voce shall be as follows:
   i. The Research Supervisor(s) shall fix the date/time and venue for the Viva-Voce in consultation with the adjudicator identified by the VC, the VTU-RC concerned and the University and inform the same to the candidate and the Registrar (Evaluation) in advance.
   ii. The Research Supervisor(s) shall invite the head of the institution, members of the teaching staff and other research scholars to attend the Viva-Voce. The candidate shall make a brief presentation of the research work carried out highlighting the important findings/conclusions. After the completion of the presentation, the Research Supervisor(s) shall give opportunity to the invitees to seek clarifications, if any, from the candidate.
   iii. After this, the Board only shall examine the candidate to test his/her understanding of the subject matter of the thesis and seek answers to the written queries by the adjudicators in the Thesis Evaluation Reports, if any. The candidate shall be required to produce all the documents, data and analysis in support of the research work presented in the Thesis.
   iv. On completing the Viva-Voce, the Board shall submit a report to the Registrar (Evaluation) indicating clearly whether the performance of the candidate was satisfactory and if so, giving specific recommendation for the award of the Ph.D. degree to the candidate.
   v. In case, the performance of the candidate is not satisfactory, the Board shall report accordingly, giving reasons for the same and recommending another Viva-Voce to be conducted after three months. The University shall arrange another Viva-Voce as required, with the composition of the Board unchanged.

Ph.D.-24.2 Consolidated Report

a) After successful completion of the Viva-Voce, the Viva-Voce Board shall prepare and forward the Consolidated Report along with duly corrected versions of both the hard and the soft copies of the thesis through the Research Centre to the University.
b) Then the University with the approval of its authorities shall award the Ph.D. degree to the Candidate.

Ph.D.-24.3 Handling of Plagiarism Issues

a) The Vice Chancellor shall have the powers to constitute Expert Committees to investigate into plagiarism issues connected with any Ph.D thesis submitted to the University, in the case of receipt of complaints either from the adjudicator(s), other individuals or any other sources.
b) In the event of a thesis being proved to be copied, plagiarized or misrepresented academically, the University shall have the powers to rescind the degree. Such a candidate shall not be eligible to register for any degree programme at the University in the future.

Ph.D.-25 AWARD OF Ph.D. DEGREE

Ph.D.-25.1 Degree Certificates

a) Upon the approval by the EC, the University shall issue a Provisional Ph.D degree certificate to the candidate certifying that the degree has been awarded in accordance with the "VTU Regulations Governing the Degree of Doctor of Philosophy (Ph.D.) – 2017".
b) The University shall award the Ph.D degree certificate to the candidate during the forthcoming Convocation.
c) In the case of candidates for the Integrated Ph.D. Degrees, there shall be a specific mention in the Certificate that the Degree conferred is an M.Sc.(Engg.) by Research +Ph.D./M. Tech.+ Ph.D./ M. Arch.+ Ph.D. Integrated Degree as the case may be.
d) The University shall hold the *Copy Right* of all the Theses after conferring the Ph.D degree.

Ph.D.-26 DEPOSITORY WITH UGC AND THE UNIVERSITY

Ph.D.-26.1 Submission to UGC

a) Following the successful completion of the evaluation process and announcement of the award of the Ph.D degree, the University shall submit a final (corrected) soft copy of the Ph.D. thesis to the UGC within a period of thirty days for hosting the same on its Information and Library Network (abbreviated as INFLIBNET), accessible to all the Institutions / Universities.
b) The University shall also maintain a repository of such Ph.D theses in its Library.

Ph.D.-27 PROHIBITIONS

Ph.D.-27.1 Prohibition of Statutory Officers from Ph. D. Registration

The Statutory Officers of the University shall not be permitted to register for the Ph.D degree of the University during the period of their tenure at the University.

Ph.D.- 27.2 Prohibition of Candidates from Registering for any other Degree

No Ph.D. candidate of the University shall be permitted to pursue any other degree programme within the University or at other Universities / Institutions, concurrently with his/her on-going registration as a candidate for the Ph.D. degree.

Ph.D.-28 **REPEAL AND SAVINGS**

a) Notwithstanding anything contained in these Regulations, the provisions of any guidelines, orders, rules or regulations in force at the University shall be inapplicable to the extent of their inconsistency with these Regulations.

b) The University shall issue such orders/instructions, and prescribe such format/procedure, as it may deem fit to implement the provisions of these Regulations.

Ph.D.-29 **INTERPRETATION**

a) Any question as to the interpretation of these Regulations shall be decided by the University, whose decision shall be final.

b) The University shall have the powers to issue clarifications to remove any doubt, difficulty or anomaly which may arise during the implementation of the provisions of these Regulations.