

NATIONAL BOARD OF ACCREDITATION

Data Capturing Points of the Program Applied for NBA Accreditation– Tier I/II UG (Engineering) Institute Programs

Program Name : Aeronautical Engineering	Discipline : Engineering & Technology
Level : Under Graduate	Tier : 2
Application No : 11961	Date of Submission : 03-07-2026

PART A- Profile of the Institute

A1.Name of the Institute : ACHARYA INSTITUTE OF TECHNOLOGY	
Year of Establishment : 2000/2001	Location of the Institute:
A2. Institute Address :SOLADEVANAHALLI,HESARAGHATTA MAIN ROAD,	
City:BANGALORE	State:Karnataka
Pin Code:560090	Website:www.ait.ac.in
Email:PRINCIPALAIT@ACHARYA.AC.IN	Phone No(with STD Code):080-22555555
A3. Name and Address of the Affiliating University (if any):	
Name of the University : VISVESVARAYA TECHNOLOGICAL UNIVERSITY,(VTU),BELGAUM,KARNATAKA	City:
State :	Pin Code:
A4. Type of the Institution : Self-Supported Institute	
A5. Ownership Status :	

A6. Details of all Programs being Offered by the Institution:

- No. of UG programs: **12**
- No. of PG programs: **2**

Table No. A6.1: List of all programs offered by the Institute.

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Computer Application	PG	Master of Computer Application	2022	--	Computer Application
2	Engineering & Technology	UG	Aeronautical Engineering	2011	--	Aeronautical Engineering
3	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2020	--	Artificial Intelligence and Machine Learning
4	Engineering & Technology	UG	Biotechnology	2002	--	Biotechnology
5	Engineering & Technology	UG	Civil Engineering	2009	--	Civil Engineering
6	Engineering & Technology	UG	Computer Science and Engineering	2000	--	Computer Science and Engineering
7	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2022	--	Computer Science and Engineering (Data Science)
8	Engineering & Technology	UG	Electrical & Electronics Engineering	2004	--	Electrical and Electronics Engineering
9	Engineering & Technology	UG	Electronics & Communication Engineering	2000	--	Electronics and Communication Engineering
10	Engineering & Technology	UG	Information Science & Engineering	2000	--	Information Science and Engineering
11	Engineering & Technology	UG	Mechanical Engineering	2002	--	Mechanical Engineering
12	Engineering & Technology	UG	Mechatronics Engineering	2009	--	Mechatronics Engineering
13	Engineering & Technology	UG	Robotics and Artificial Intelligence	2025	--	Robotics and Artificial Intelligence
14	Management	PG	Master of Business Administration	2007	--	Management

A7. Programs to be considered for Accreditation vide this Application:

Table No. A7.1: List of programs to be considered for accreditation.

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Aeronautical Engineering	No	Aeronautical Engineering	UG

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.
Cluster ID. Name of the Department (in table no. A7.1) Name of allied Departments/Cluster (for table no. A7.1)

No Record

PART-B: Program information

B1. Provide the Required Information for the Program Applied For:

Table No. B1: Program details.
A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY APPROVAL DETAILS
1	Aeronautical Engineering	UG	2011 / --	60	No	NA	60	2011	AICTE

List of the Allied Departments/Cluster and Programs:

B2. Detail of Head of the Department for the program under consideration:

A. Name of the HoD :	DR. SWETHA S
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

Table No.B3.1: Admission details for the program excluding those admitted through multiple entry and exit points.

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	60	60	60	60
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	67	68	60	51	49	45	51
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	5	4	15	6	7	6
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	3	3	3	2	3	2	3
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	70	76	67	68	58	54	60

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	60	67	3	116.67
2024-25 (CAYm1)	60	68	3	118.33
2023-24 (CAYm2)	60	60	3	105.00

Average [(ER1 + ER2 + ER3) / 3] = 113.33= 100

B5. Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*=(No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	66.00	66.00	66.00
B=No. of students who graduated from the program in the stipulated course duration	34.00	37.00	44.00

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 152.69

B6. Academic Performance of the First-Year Students of the Program

Table No.B6.1: Academic Performance of the First-Year Students of the Program.

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
X=(Mean of 1st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10)	7.39	7.33	7.36
Y=Total no. of successful students	62.00	53.00	51.00
Z=Total no. of students appeared in the examination	71.00	63.00	53.00
API [X*(Y/Z)]	6.45	6.17	7.08

Average API[(AP1+AP2+AP3)/3] : 6.57

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2nd year/10)	7.10	7.06	6.97
Y=Total no. of successful students	57.00	65.00	50.00
Z=Total no. of students appeared in the examination	57.00	66.00	51.00
API [X * (Y/Z)]	7.10	6.95	6.83

Average API [(AP1 + AP2 + AP3)/3] : 6.96

B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.11	7.11	7.44
Y=Total no. of successful students	63.00	50.00	49.00
Z=Total no. of students appeared in the examination	65.00	50.00	50.00
API [X*(Y/Z)]:	6.89	7.11	7.29

Average API [(AP1 + AP2 + AP3)/3] : 7.10

B9. Placement, Higher Studies, and Entrepreneurship

Table No.B9.1: Placement, higher studies, and entrepreneurship details.

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	66.00	66.00	66.00
X=No. of students placed	35.00	40.00	40.00
Y=No. of students admitted to higher studies	4.00	1.00	8.00
Z= No. of students taking up entrepreneurship	1.00	1.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	60.61	63.64	74.24

Average Placement Index = (P_1 + P_2 + P_3)/3: 66.16 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

(Data to be filled in for the Department and Allied Departments)

C1. Faculty details of Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Associati (Regular/ Contract/ Ad hoc)
1	DR. SWETHA S	XXXXXXXX07R	Ph.D	VISVESVARAYA TECHNOLOGICAL UNIVERSITY	THERMAL POWER ENGINEERING	12/09/2012	13.9	Assistant Professor	Professor	11/12/2025	Regular

2	MS. VARSHA N	XXXXXXXX46R	M.Tech	MS RAMAIAH UNIVERSITY OF APPLIED SCIENCE	AIRCRAFT DESIGN	10/04/2017	9.2	Assistant Professor	Assistant Professor		Regular
3	MR. AMAR GANDGE SUBASH	XXXXXXXX39J	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY	AEROSPACE PROPULSION TECHNOLOGY	26/03/2021	3.5	Assistant Professor	Assistant Professor		Regular
4	MR. AKASH S	XXXXXXXX69L	M.Tech	MANIPAL ACADEMY OF HIGHER EDUCATION	AEROSPACE ENGINEERING	01/09/2021	3.8	Assistant Professor	Assistant Professor		Regular
5	MR. SIBINRAJ R	XXXXXXXX20C	M.E.	ANNA UNIVERSITY	MANUFACTURING ENGINEERING	01/08/2022	3.11	Assistant Professor	Assistant Professor		Regular
6	MR. PARTHASARATHY G	XXXXXXXX12P	M.E.	ANNA UNIVERSITY	CAD/CAM	25/11/2022	3.6	Assistant Professor	Assistant Professor		Regular
7	DR. MUTHUKUMAR M	XXXXXXXX48P	Ph.D	INDIAN INSTITUTE OF SCIENCE	AIRCRAFT STRUCTURES & MATERIALS	20/02/2023	3.3	Associate Professor	Professor	11/12/2025	Regular
8	MR. ALLWYN B	XXXXXXXX00A	M.Tech	HINDUSTAN INSTITUTE OF TECHNOLOGY AND SCIENCE	AVIONICS	07/08/2023	2.10	Assistant Professor	Assistant Professor		Regular
9	DR. RAJASHEKAR PATIL	XXXXXXXX04D	Ph.D	VISVESVARAYA TECHNOLOGICAL UNIVERSITY	MECHANICAL ENGINEERING	17/08/2023	2.10	Professor	Professor		Regular
10	MR. KUMARAN T	XXXXXXXX43D	M.E.	ANNA UNIVERSITY	AERONAUTICAL ENGINEERING	04/12/2023	2.6	Assistant Professor	Assistant Professor		Regular
11	MR. KONDA GOPINATH	XXXXXXXX06F	M.Tech	INDIAN INSTITUTE OF TECHNOLOGY	MECHANICAL SYSTEM DESIGN	05/08/2024	1.10	Assistant Professor	Assistant Professor		Regular
12	MR. ANMOL RAJU JAMAKHANDIKAR	XXXXXXXX39R	M.Tech	NATIONAL INSTITUTE OF TECHNOLOGY	TURBO MACHINES	04/08/2025	0.10	Assistant Professor	Assistant Professor		Regular
13	DR. MANU B V	XXXXXXXX01R	Ph.D	IIT MADRAS	SPACECRAFT PROPULSION	17/02/2025	1.4	Assistant Professor	Assistant Professor		Regular
14	DR. SANTOSH V ANGADI	XXXXXXXX51D	Ph.D	AUBURN UNIVERSITY	MECHANICAL ENGINEERING	25/07/2025	0.5	Associate Professor	Associate Professor		Regular

Table No.C2: Faculty details of Allied Departments for the past 3 years including CAY.

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):

UG1=1st UG program

UGn=nth UG program

B= No. of Students in UG 2nd year (ST)

C= No. of Students in UG 3rd year (ST)

D= No. of Students in UG 4th year (ST)

No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

Student Faculty Ratio (SFR) = S/F

S= No. of students of all programs in the Department including all students of allied departments/clusters.

No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)

Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.

F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

No. of UG Programs in the Department1 No. of PG Programs in the Department0

Table No.C2.1: Student-faculty ratio.

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	66	66	66
UG1.C	66	66	66
UG1.D	66	66	66
UG1: Aeronautical Engineering	198	198	198
DS=Total no. of students in all UG and PG programs in the Department	198	198	198
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	S1= 198	S2= 198	S3= 198

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
DF=Total no. of faculty members in the Department	11	10	9
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	F1= 11	F2= 10	F3= 9
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 18.00	SFR2= 19.80	SFR3= 22.00
Average SFR for 3 years	SFR= 19.93		

C3. Faculty Qualification

- Faculty qualification index (FQI) = $2.5 * [(10X + 4Y)/RF]$ where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = $2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	4	7	9.00	18.89
2024-25(CAYm1)	3	7	9.00	16.11
2023-24(CAYm2)	3	6	9.00	15.00

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = $1/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents:}.$
- RF2= No. of Associate Professors required = $2/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:}.$
- RF3= No. of Assistant Professors required = $6/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:}.$
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

Table No.C4.1: Faculty cadre proportion details.

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	1.00	2.00	2.00	7.00	8.00
2024-25	1.00	1.00	2.00	2.00	7.00	7.00
2023-24	1.00	1.00	2.00	2.00	7.00	6.00
Average	RF1=1.00	AF1=1.00	RF2=2.00	AF2=2.00	RF2=7.00	AF2=7.00

C5. Visiting/Adjunct Faculty/Professor of Practice

Table No. C5.1: List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Sreehari Kambrath	Assistant Manager	Genpact, Bengaluru	Introduction to Drone Technology	61.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. K Balaveera Reddy	Former Vice-Chancellor & Former Director	VTU, Belagavi & DTE, Government of Karnataka	Mechanics of Materials, Additive Manufacturing 3 D Printing, Project work	60.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. K Balaveera Reddy	Former Vice-Chancellor & Former Director	VTU, Belagavi & DTE, Government of Karnataka	Theory of Vibration, Mechanics of Machine Theory Mechanics of Materials, Project work	60.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
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1	No. of peer reviewed journal papers published	5	3	1
2	No. of peer reviewed conference papers published	0	0	2
3	No. of books/book chapters published	2	2	0

C7. Sponsored Research Project

Table No. C7.1: List of sponsored research projects received from external agencies.

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Muthukumar M	NA	Aeronautical Engineering	Mechanical and Physical characterization of composite hydrogel slender tubes and thin films for health care devices and soft flexible electronics	ANRF(SERB)	3 years	43.50
						Amount received (Rs.):43.50

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
NA	NA	NA	NA	NA	NA	0.00
						Amount received (Rs.):0.00

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
NA	NA	NA	NA	NA	NA	0.00
						Amount received (Rs.):0.00

Total Amount (Lacs) Received for the Past 3 Years: 43.50

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

Table No. C8.1: List of consultancy projects received from external agencies.

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
0	0	0	0	0	0	0.00
						Amount received (Rs.):0.00

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
0	0	0	0	0	0	0.00
						Amount received (Rs.):0.00

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
0	0	0	0	0	0	0.00
						Amount received (Rs.):0.00

Total amount (Lacs) received for the past 3 years: 0.00

Note*:

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

C9. Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
0	0	0	0.00	0.00	0
			Amount received (Rs.): 0.00		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
0	0	0	0.00	0.00	0
			Amount received (Rs.): 0.00		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
0	0	0	0.00	0.00	0
			Amount received (Rs.): 0.00		

Total amount (Lacs) received for the past 3 years : 0.00

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

D1. Adequate and Well-Equipped Laboratories, and Technical Manpower

Table No.D1.1: List of laboratories and technical manpower.

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Aircraft Structure Laboratory	25	Beam Test Setup Column Test Apparatus Vibration of Beam Setup	3 Batches	Mr. Ashok K	Lab Instructor	B.E
2	Aerodynamics Laboratory	25	Low Speed Subsonic Wind Tunnel Smoke Generator P.C Based Data Acquisition System for Wind Tunnel	3 Batches	Mr. Mahesh B	Lab Instructor	B.E.
3	Aircraft Propulsion Laboratory	25	Piston Engine, Hub and Propeller Set Equipment for Measurement Burning	3 Batches	Mr. Ashok K	Lab Instructor	B.E.
4	CAD Laboratory	25	60 Nos of HP make systems with the configuration of 8 GB RAM & 512 GB Hard Disk	3 Batches	Mr. Ravikumar	Lab Instructor	Diploma

D2. Safety Measures in Laboratories

Table No. D2.1: List of various safety measures in laboratories.

Sr. No	Laboratory Name	Safety Measures
1	Aircraft Structure Laboratory	Basic Safety Measures • Safety shoes and proper dress code are mandatory. • Equipment is operated only under authorized supervision. • Laboratory floors and work areas are kept clean and unobstructed. • DO's and DON'Ts are displayed. • First Aid Kit and Fire Extinguisher are available. • Use of mobile phones is prohibited inside the laboratory. Laboratory-Specific Safety Measures • Moving and rotating machine parts are not touched during operation. • Components are properly clamped and positioned before testing. • Sharp edges of sheet-metal and aircraft components are handled carefully. • Tools and machines are inspected before use. • Machine guards and safety covers are maintained properly.
2	Aerodynamics Laboratory	Basic Safety Measures • Safety shoes and proper dress code are mandatory. • Equipment is operated under authorized supervision. • Laboratory floors and work areas are kept clean and unobstructed. • DO's and DON'Ts are displayed. • First Aid Kit and Fire Extinguisher are available. • Use of mobile phones is prohibited inside the laboratory. Laboratory-Specific Safety Measures • Wind tunnel and experimental rigs are operated under authorized supervision. • Wind tunnel, electrical connections and test setup are checked before operation. • Models are properly mounted and aligned before conducting experiments. • Hands, loose clothing and objects are kept away from moving parts. • Equipment is operated within prescribed speed and pressure limits. • Emergency stop switches are readily accessible.

3	Aircraft Propulsion Laboratory	Basic Safety Measures • Safety shoes and proper dress code are mandatory. • Equipment is operated only under authorized supervision. • Laboratory is maintained clean and well ventilated. • DO's and DON'Ts are displayed. • First Aid Kit and suitable Fire Extinguisher are available. • Use of mobile phones is prohibited inside the laboratory. Laboratory-Specific Safety Measures • Engines and propulsion test rigs are operated under authorized supervision. • Engine, fuel system, test rig and electrical connections are checked before operation. • Adequate ventilation is maintained during engine operation. • Flammable materials are kept away from ignition sources. • Hot surfaces, rotating components and exhaust systems are not touched during operation. • Fuel handling and storage are carried out as per safety procedures. • Emergency engine shutdown procedures are followed.
4	CAD Laboratory	Basic Safety Measures • Proper dress code and safe working practices are mandatory. • Equipment is operated as per prescribed instructions. • Laboratory workstations are kept clean and organized. • DO's and DON'Ts are displayed. • First Aid Kit and Fire Extinguisher are available. • Use of mobile phones is prohibited inside the laboratory. Laboratory-Specific Safety Measures • Computers, printers and other equipment are operated as per instructions. • Electrical connections and cables are checked regularly. • Food and liquids are prohibited near computer equipment. • Computers and equipment are switched off after use. • Proper cable management is maintained to prevent tripping hazards. • Adequate lighting and ventilation are maintained. • Ergonomically suitable workstations are provided.
5	Flight Simulation Laboratory	Basic Safety Measures • Proper dress code and safe working practices are mandatory. • Equipment is operated only under authorized supervision. • Laboratory is maintained clean and unobstructed. • DO's and DON'Ts are displayed. • First Aid Kit and Fire Extinguisher are available. • Use of mobile phones is prohibited inside the laboratory. Laboratory-Specific Safety Measures • Flight simulator is operated only under authorized supervision. • Electrical connections, controls and systems are checked before use. • Prescribed procedures are followed during starting and shutting down. • Emergency shutdown procedures are explained to users. • Cables are properly arranged to prevent tripping hazards. • Unauthorized modification or handling of simulator hardware is prohibited. • Adequate ventilation and clear access to exits are maintained.
6	Composite Laboratory	Basic Safety Measures • Proper dress code and appropriate PPE are mandatory. • Laboratory activities are carried out under authorized supervision. • Work areas are kept clean and organized. • DO's and DON'Ts are displayed. • First Aid Kit and Fire Extinguisher are available. • Use of mobile phones is prohibited inside the laboratory. Laboratory-Specific Safety Measures • Safety shoes, gloves, goggles, masks and protective clothing are used. • Resins, hardeners, solvents and chemicals are handled under supervision. • Chemical labels and safety instructions are checked before use. • Chemicals are stored in designated and properly labelled areas. • Adequate ventilation and fume extraction are provided. • Flammable materials are kept away from heat and ignition sources. • Chemical and material spillages are cleaned immediately. • Composite and chemical waste is disposed of in designated containers

D3. Project Laboratory/Research Laboratory

7.5.1 Funded Project / Research Laboratory : BSMat Laboratory

The department has two on going externally funded research projects. The below are the details

Name of the Faculty	Project titled	Funding agency	Duration of the project	Amount (Lacs)	Collaboration
Dr. Muthukumar M Professor	Tailoring hydrogel Mechanical properties via in-situ Raman spectroscopy of polymer networks for biomedical applications	ANRF	2026 to 2030	224.00 Lakhs	Indian Institute of Science (IISc)
Dept. of Aeronautical Engineering	Mechanical and Physical characterization of composite hydrogel slender tubes and thin films for health care devices and soft flexible electronics	ANRF (SERB)	2024 to 2027	43.50 Lakhs	-



BSMat Laboratory



BSMat Laboratory

Funded Project / Research Laboratory Utilization

- The Funded Laboratory provides valuable research-based exposure that bridges the gap between academic knowledge and advanced experimental applications. The lab helps students

Funded Lab Utilization	Relevance to POs / PSOs
Hands-on experience in advanced experimental techniques and research methodologies	PO1, PO2, PO4, PSO2
Experimental investigation and material characterization using advanced facilities	PO1, PO2, PO4, PO5, PSO2
Student participation in externally funded research projects	PO4, PO5, PO12, PSO2
Application of theoretical knowledge to biomedical, composite and soft-material research	PO1, PO2, PO3, PSO2
Development of analytical and problem-solving skills through experimental work	PO2, PO3, PO4, PSO2
Exposure to advanced instrumentation such as biaxial tensile testing and soft-matter experimental systems	PO1, PO4, PO5, PSO2
Faculty-guided interdisciplinary research and project activities	PO4, PO5, PO12, PSO2
Development of research, technical communication and project management skills	PO3, PO9, PO10, PO12, PSO2
Overall utilization of the Funded Project Lab strengthens technical competency, research capability, innovation and readiness for higher studies and professional careers.	PO1-PO5, PO9, PO10, PO12 PSO2

PART E: First Year faculty and financial Resources

(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) + (NS2*0.2))/RF
2023-24(CAYm2)	960	48	26	35	58
2024-25(CAYm1)	1140	57	35	39	63
2025-26(CAY)	1380	69	42	39	60

E2. Budget Allocation, Utilization, and Public Accounting at Institute Level

Table No. E2.1: Budget and actual expenditure incurred at Institute level.

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	16795571.74	15844879	10477736.39	9792277	322736.4	307368	43908273.15	41817403
Library	10604500	9750795	10065950	9260083	9313100	8274580	8382550	7511357
Laboratory equipment	34808535.3	33150986	20086739.4	19130228	14354440.94	13801261	10904089.76	10338824
Teaching and non-teaching staff salary	323716074.1	302538387	260055926.9	259276667	219439760.8	216390589.6	190720160.9	188487624
Outreach Programs	2500000	2310000	2200000	2074600	1800000	1713600	1500000	1413000
R&D	880693	855042	583937.5	507943.75	495889.637	481446.25	349963.162	333298.25
Training, Placement and Industry linkage	66934409.92	64984864	52488515.72	49626122.06	40635000	38195088	27904902	27092139
SDGs	1245000	1157850	1000000	930000	850000	805800	700000	660800
Entrepreneurship	450000	420750	400000	370800	350000	326200	300000	257100
Others, specify	328106610.1	312106652	241219466.3	228215654.7	248308888	213605720	166426684.9	151010426.3
Total	786041394.16	743120205	598578272.21	579184375.51	535869815.777	493901652.85	451096623.872	428921971.55

E3. Budget Allocation, Utilization, and Public Accounting at Program Specific Level

Table No. E3.1: Budget and actual expenditure incurred at program level.

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Laboratory equipment	447182.64	414058	468703.87	438041	513939.94	484849	483007.63	451409
Software	170493.45	162374.71	109327.26	104121.20	68961.20	65677.34	56331.71	54165.11
SDGs	57670.98	53634.01	50404.48	46876.17	44235.08	41138.63	36842.11	34263.16
Support for faculty development	130000.00	75840.38	120000.00	184338.00	130000.00	136719.64	60000.00	34830.74
R & D	186250	126588	154500	123652	127000	95604	109000	76500
Industrial Training, Industry expert,	3216810.83	3123117.31	2645656.36	2501378.90	2114697.17	1987721.04	1468679.05	1425902.05
Miscellaneous Expenses*	33543661.98	31132295.59	26312855.98	24345690.93	28078886.61	25459442.3	24303490.61	22783296.92
Total	37752069.88	35087908.00	29861447.95	27744098.20	31077720.00	28271151.95	26517351.11	24860366.98

NATIONAL BOARD OF ACCREDITATION

Data Capturing Points of the Program Applied for NBA Accreditation– Tier I/II UG (Engineering) Institute Programs

Program Name : Civil Engineering	Discipline: Engineering & Technology
Level : Under Graduate	Tier: 2
Application No: 11961	Date of Submission: 03-07-2026

PART A- Profile of the Institute

A1.Name of the Institute: ACHARYA INSTITUTE OF TECHNOLOGY	
Year of Establishment : 2000/2001	Location of the Institute:
A2. Institute Address: SOLADEVANAHALLI,HESARAGHATTA MAIN ROAD,	
City:BANGALORE	State:Karnataka
Pin Code:560090	Website:www.ait.ac.in
Email:PRINCIPALAIT@ACHARYA.AC.IN	Phone No(with STD Code):080-22555555
A3. Name and Address of the Affiliating University (if any):	
Name of the University : VISVESVARAYA TECHNOLOGICAL UNIVERSITY,(VTU),BELGAUM,KARNATAKA	City:
State :	Pin Code:
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status:	

A6. Details of all Programs being Offered by the Institution:

- No. of UG programs: 12
- No. of PG programs: 2

Table No. A6.1: List of all programs offered by the Institute.

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Computer Application	PG	Master of Computer Application	2022	--	Computer Application
2	Engineering & Technology	UG	Aeronautical Engineering	2011	--	Aeronautical Engineering
3	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2020	--	Artificial Intelligence and Machine Learning
4	Engineering & Technology	UG	Biotechnology	2002	--	Biotechnology
5	Engineering & Technology	UG	Civil Engineering	2009	--	Civil Engineering
6	Engineering & Technology	UG	Computer Science and Engineering	2000	--	Computer Science and Engineering
7	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2022	--	Computer Science and Engineering (Data Science)
8	Engineering & Technology	UG	Electrical & Electronics Engineering	2004	--	Electrical and Electronics Engineering
9	Engineering & Technology	UG	Electronics & Communication Engineering	2000	--	Electronics and Communication Engineering
10	Engineering & Technology	UG	Information Science & Engineering	2000	--	Information Science and Engineering
11	Engineering & Technology	UG	Mechanical Engineering	2002	--	Mechanical Engineering
12	Engineering & Technology	UG	Mechatronics Engineering	2009	--	Mechatronics Engineering
13	Engineering & Technology	UG	Robotics and Artificial Intelligence	2025	--	Robotics and Artificial Intelligence
14	Management	PG	Master of Business Administration	2007	--	Management

A7. Programs to be considered for Accreditation vide this Application:

Table No. A7.1: List of programs to be considered for accreditation.

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Civil Engineering	No	Civil Engineering	UG

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.
Cluster ID. Name of the Department (in table no. A7.1) Name of allied Departments/Cluster (for table no. A7.1)

No Record

PART-B: Program information

B1. Provide the Required Information for the Program Applied For:

Table No. B1: Program details.

A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY APPROVAL DETAILS
1	Civil Engineering	UG	2009 / --	60	No	NA	60	2009	AICTE

List of the Allied Departments/Cluster and Programs:

B2. Detail of Head of the Department for the program under consideration:

A. Name of the HoD :	Dr. P S Niranjana
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

Table No.B3.1: Admission details for the program excluding those admitted through multiple entry and exit points.

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	60	60	60	120
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	51	44	45	19	31	41	71
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	18	27	24	20	22	45
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	3	3	2	3	3	3	6
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	54	65	74	46	54	66	122

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	60	51	3	90.00
2024-25 (CAYm1)	60	44	3	78.33
2023-24 (CAYm2)	60	45	2	78.33

Average [(ER1 + ER2 + ER3) / 3] = 82.22± 17.00

B5. Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.

1	Dr. P S Niranjan	XXXXXXX64R	Ph.D	Visvesvaraya Technological University	Construction Technology	04/04/2024	2.2	Professor	Professor		Regular	Yes
2	Dr. T Soumya	XXXXXXX80K	Ph.D	Visvesvaraya Technological University	Structural Engineering	12/08/2024	1.10	Assistant Professor	Associate Professor	25/08/2025	Regular	Yes
3	Mrs. Chaithra B E	XXXXXXX98A	M.Tech	Visvesvaraya Technological University	Structural Engineering	24/07/2014	11.11	Assistant Professor	Assistant Professor		Regular	Yes
4	Mr. Dhananjay M	XXXXXXX75A	M.Tech	Visvesvaraya Technological University	Highway Technology	20/07/2015	10.11	Assistant Professor	Assistant Professor		Regular	Yes
5	Mr. Sunil S K	XXXXXXX09A	M.Tech	Visvesvaraya Technological University	Structural Engineering	23/07/2015	10.11	Assistant Professor	Assistant Professor		Regular	Yes
6	Mrs. Brunda G S	XXXXXXX25E	M.E.	Bangalore University	Water Resources Engineering	06/07/2017	8.11	Assistant Professor	Assistant Professor		Regular	Yes
7	Mr. Vinodkrishna M Savadi	XXXXXXX98B	M.Tech	Visvesvaraya Technological University	Structural Engineering	03/04/2024	2.2	Assistant Professor	Assistant Professor		Regular	Yes
8	Mr. Karthik B S	XXXXXXX08E	M.Tech	Visvesvaraya Technological University	Construction Technology	18/10/2021	4.8	Assistant Professor	Assistant Professor		Regular	Yes
9	Dr. Abhishek Tarun	XXXXXXX37A	Ph.D	Indian Institute of Technology Patna	Geotechnical and Geoenvironmental Engineering	01/08/2025	0.10	Assistant Professor	Assistant Professor		Regular	Yes
10	Mr. Nandhi Varman A M	XXXXXXX34J	M.E.	Indian Institute of Science	Geotechnical Engineering	01/08/2025	0.11	Assistant Professor	Assistant Professor		Regular	Yes
11	Mr. Santhosh R	XXXXXXX78B	M.Tech	Visvesvaraya Technological University	Structural Engineering	27/03/2024	2.3	Assistant Professor	Assistant Professor		Regular	Yes
12	Dr. Gautam	XXXXXXX26M	Ph.D	National Institute of Technology Silchar	Geotechnical Engineering	15/07/2024	0.10	Assistant Professor	Assistant Professor		Regular	No
13	Mrs. Kavya Gurumath	XXXXXXX89B	M.Tech	Visvesvaraya Technological University	Environmental Engineering	15/04/2021	3.3	Assistant Professor	Assistant Professor		Regular	No
14	Mr. Maruthi B	XXXXXXX99J	M.Tech	Visvesvaraya Technological University	Structural Engineering	11/09/2017	6.8	Assistant Professor	Assistant Professor		Regular	No
15	Mr. Ambreshwar	XXXXXXX75N	M.Tech	Visvesvaraya Technological University	Structural Engineering	19/10/2021	2.6	Assistant Professor	Assistant Professor		Regular	No
16	Mrs. Sneha M K	XXXXXXX77R	M.Tech	Visvesvaraya Technological University	Environmental Engineering	20/02/2017	7.6	Assistant Professor	Assistant Professor		Regular	No
17	Mr. Tejas K	XXXXXXX97P	M.Sc. (Engineering)	Bangalore University	Applied Geology	30/12/2017	8.6	Assistant Professor	Assistant Professor		Regular	Yes
18	Dr. P Sreekanth Reddy	XXXXXXX91F	Ph.D	National Institute of Technology Mizoram	Geotechnical Engineering	03/04/2023	3.2	Associate Professor	Associate Professor		Regular	Yes

Table No.C2: Faculty details of Allied Departments for the past 3 years including CAY.

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):

UG1=1st UG program

UGn=nth UG program

B= No. of Students in UG 2nd year (ST)

C= No. of Students in UG 3rd year (ST)

D= No. of Students in UG 4th year (ST)

No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

Student Faculty Ratio (SFR) = S/F

S= No. of students of all programs in the Department including all students of allied departments/clusters.

No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)
Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.
F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

No. of UG Programs in the Department1 No. of PG Programs in the Department0
Table No.C2.1: Student-faculty ratio.

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	66	66	66
UG1.C	66	66	66
UG1.D	66	66	66
UG1: Civil Engineering	198	198	198
DS=Total no. of students in all UG and PG programs in the Department	198	198	198
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	S1= 198	S2= 198	S3= 198
DF=Total no. of faculty members in the Department	13	12	11
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	F1= 13	F2= 12	F3= 11
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	2
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 16.50	SFR2= 18.00	SFR3= 22.00
Average SFR for 3 years	SFR= 18.83		

C3. Faculty Qualification

- Faculty qualification index (FQI) = 2.5 * [(10X +4Y)/RF] where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = 2.5 x [(10X + 4Y) / RF]
2025-26(CAY)	3	10	9.00	19.44
2024-25(CAYm1)	3	9	9.00	18.33
2023-24(CAYm2)	1	10	9.00	13.89

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = 1/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents:.
- RF2= No. of Associate Professors required = 2/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- RF3= No. of Assistant Professors required = 6/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

Table No.C4.1: Faculty cadre proportion details.

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	1.00	2.00	2.00	7.00	10.00
2024-25	1.00	1.00	2.00	1.00	7.00	10.00
2023-24	1.00	0.00	2.00	1.00	7.00	10.00
Average	RF1=1.00	AF1=0.67	RF2=2.00	AF2=1.33	RF2=7.00	AF2=10.00

C5. Visiting/Adjunct Faculty/Professor of Practice

Table No. C5.1: List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

(CAYm1)					
S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. M R Prakash	Structural Consultant	Discret Structural Consultant	Strength of Materials and Design of RCC Structures	56.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Abdul Haseeb Wani	Structural Consultant	Freelancer. Ph.D. from IIT Jammu	Engineering Survey and Geotechnical Engineering	58.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. M R Prakash	Structural Consultant	Discrret Structural Consultant	Design of Steel Structural Elements and Design of RCC and Steel Structures	56.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	9	1	4
2	No. of peer reviewed conference papers published	0	0	0
3	No. of books/book chapters published	4	2	0

C7. Sponsored Research Project

Table No. C7.1: List of sponsored research projects received from external agencies.

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Soumya T	NA	Civil Engineering, Acharya Institute Of Technology, Bangalore	Pilot Study on Induction-Based Healing of Cracks on Bituminous Pavements Using Steel Scraps	Karnataka State Council for Science and Technology	3 months	0.05
Mrs. Brunda GS	Dr. P Sreekanth Reddy	Civil Engineering, Acharya Institute Of Technology, Bangalore	Remediation of Paint Industrial Effluents Using Red Mud and Citrus Fruit Peels	Karnataka State Council for Science and Technology	3 months	0.05
						Amount received (Rs.):0.10

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. Tejas K	NA	Civil Engineering, Acharya Institute Of Technology, Bangalore	Analysis of Hydrolivability Index of Bijapur Using RS & GIS	Indian Water Works Association	3 months	0.10
						Amount received (Rs.):0.10

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. Dhananjay M	Mr. Sunil SK	Civil Engineering, Acharya Institute Of Technology, Bangalore	Effect Of Drainage Characteristics In Granular Sub-Base Course On Flexible Pavement Performance	Karnataka State Council for Science and Technology	3 months	0.05
Mrs. Brunda GS	Mr. Mohan N	Civil Engineering, Acharya Institute Of Technology, Bangalore	Smart Drip Irrigation System Using IoT	Karnataka State Council for Science and Technology	3 months	0.05
						Amount received (Rs.):0.10

Total Amount (Lacs) Received for the Past 3 Years: 0.30

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

Table No. C8.1: List of consultancy projects received from external agencies.

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
NIL	NIL	NIL	NIL	NIL	NIL	0.00
						Amount received (Rs.):0.00

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
NIL	NIL	NIL	NIL	NIL	NIL	0.00
						Amount received (Rs.):0.00

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
NIL	NIL	NIL	NIL	NIL	NIL	0.00
						Amount received (Rs.):0.00

Total amount (Lacs) received for the past 3 years: 0.00

Note*:

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

C9. Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
			Amount received (Rs.): 0		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
			Amount received (Rs.): 0		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
			Amount received (Rs.): 0		

Total amount (Lacs) received for the past 3 years : 0

PART D: Laboratory Infrastructure in the Department
(Data to be filled in for the Department)

D1. Adequate and Well-Equipped Laboratories, and Technical Manpower

Table No.D1.1: List of laboratories and technical manpower.

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Basic Material Testing Laboratory	30	Universal Testing Machine, Torsion Testing Machine, Vickers Hardness Testing Machine, Rockwell Hardness	2 batches (4 hc	Mr. Besh Kumr	Lab Instructor	B Tech in Civil
2	Highway Materials Laboratory	30	Ductility Testing Machine, Impact Testing Machine, Marshall Stability Test Apparatus, Los Angeles Abrasion	2 batches (4 hc	Mr. Umapathi I	Lab Instructor	ITI, (Diploma ir
3	Concrete Laboratory	30	Compression Testing Machine, VeeBee Consistometer, Compaction Factor Testing Apparatus, Moist	2 batches (4 hc	Mr. Umapathi I	Lab Instructor	ITI, (Diploma ir

4	Environmental Engineering Laboratory	30	Jar Test Apparatus, Muffle Furnace, Digital Conductivity Meter, Digital pH Meter, Digital Conductivity Meter	2 batches (4 hc	Mrs. Gagana C	Lab Instructor	Diploma in Civ
5	Geo-technical Engineering Laboratory	30	Triaxial Shear Testing Apparatus, CBR Test Apparatus, UCS Test Apparatus, Direct Shear Apparatus	2 batches (4 hc	Mr. Umapathi I	Lab Instructor	ITI, (Diploma in
6	Surveying Practice	30	Total Station, Theodolite, Dumpy Level, Auto Level, Prismatic Compass, Surveying Compass	2 batches (4 hc	Mr. Besh Kumr	Lab Instructor	B Tech in Civil
7	Geology Laboratory	30	Rock and ore specimens	2 batches (4 hc	Mr. Besh Kumr	Lab Instructor	B Tech in Civil
8	Computer Aided Drawing Laboratory	30	30 Computer systems with AUTOCAD software, STAAD software, GIS Software	4 batches (8 hc	Mrs. Gagana C	Lab Instructor	Diploma in Civ
9	Fluid Mechanics (Shared by Dept. of Mechanical	30	Notch Apparatus, Venturimeter and Orificemeter, Centrifugal Pump, Pelton Turbine, Impulse of Jet Apparatus	2 batches (4 hc	Mr. Siddeshwa	Lab Instructor	Diploma in Me

D2. Safety Measures in Laboratories

Table No. D2.1: List of various safety measures in laboratories.

Sr. No	Laboratory Name	Safety Measures
1	Basic Material Testing Laboratory	1. Use of shoes, proper dress code in laboratory is mandatory. 2. Operate lab testing equipment only under authorized supervision. 3. Ensure proper alignment and positioning of specimens before applying load. 4. Maintain a safe distance from specimens during destructive testing to avoid injury from flying fragments. 5. Wear masks while handling cement, aggregates and other dusty materials. 6. Do not touch moving parts of crushers, mixers, abrasion machines and other rotating equipment during operation. 7. Keep floors and working areas clean and immediately remove water, cement slurry, oil and aggregate spillages. 8. DO's and DON'TS are displayed 9. First Aid Kit and Fire Extinguisher available 10. Cell phone usage are prohibited. 11. CCTV Camera available.
2	Highway materials Laboratory	1. Wearing of shoes, gloves and proper dress code in laboratory is mandatory. 2. Handle bitumen and hot materials using heat resistant gloves and suitable tools 3. Conduct bitumen heating and testing in a well-ventilated area away from combustible materials. 4. Never touch hot bitumen, hot plates, ovens or heated specimens with bare hands. 5. Operate equipment only under supervision of lab supervisor/instructor. 6. Switch off electrical and heating equipment after completion of the experiment. 7. DO's and DON'T'S are displayed 8. First Aid Kit and Fire Extinguisher available 9. Cell phone usage are prohibited 10. CCTV Camera available.
3	Concrete Laboratory	1. Wearing of shoes, gloves and proper dress code in laboratory is mandatory. 2. Use proper lifting techniques while handling cement bags, aggregates, concrete cubes, cylinders and beams. 3. Operate equipment only under supervision of faculty or lab assistant. 4. Ensure concrete specimens are properly positioned and aligned before testing. 5. Maintain a safe distance during compressive and flexural failure tests. 6. Avoid direct contact with cement and fresh concrete; use gloves and protective clothing. 7. Ensure proper electrical connections and do not operate electrical equipment with wet hands. 8. Keep the laboratory floor dry and immediately clean concrete slurry and water spillages. 9. Switch off mixers, vibrators and testing machines after use and maintain first-aid and emergency facilities. 10. DO's and DON'T'S are displayed 11. First Aid Kit and Fire Extinguisher available. 12. Cell phone usage are prohibited 13. CCTV Cameras
4	Environmental Engineering Laboratory	1. Wearing of shoes, gloves, apron and proper dress code in laboratory is mandatory. 2. Read chemical labels and safety instructions before using acids, alkalis, reagents and other chemicals. 3. Not to use chemicals in absence of faculty or lab instructor 4. Never pipette chemicals by mouth; use appropriate pipetting devices. 5. Handle acids, alkalis and other corrosive chemicals carefully and use suitable PPE. 6. Ensure proper ventilation while conducting tests involving volatile chemicals or unpleasant gases. 7. Treat and dispose of chemical and biological waste according to the laboratory's approved waste-disposal procedure. 8. Operate electrical/heating equipment carefully. 9. Keep electrical equipment away from water sources and do not operate electrical equipment with wet hands. 10. DO's and DON'T'S are displayed 11. First Aid Kit and Fire Extinguisher available 12. Cell phone usage are prohibited 13. CCTV Cameras
5	Geotechnical Engineering Laboratory	1. Wearing of shoes, gloves, apron and proper dress code in laboratory is mandatory. 2. Handle soil samples carefully to avoid dust inhalation and skin/eye contact. 3. Operate equipment only after proper instruction from faculty or lab instructors. 4. Check hydraulic and pneumatic connections before operating pressure-operated equipment. 5. Release pressure safely before opening or dismantling triaxial and pressure apparatus. 6. Take care while operating oven, hot plates and other heating equipment. 7. Keep floors and work surfaces clean and dry to prevent slips and falls. 8. DO's and DON'T'S are displayed 9. First Aid Kit and Fire Extinguisher available 10. Cell phone usage are prohibited 11. CCTV Cameras

6	Surveying Laboratory	1. Handle all surveying instruments and accessories carefully to prevent damage and injury. 2. Store total stations, theodolites, auto levels and other precision instruments in their designated protective cases. 3. Do not carry instruments on tripods without ensuring that they are properly secured. 4. Inspect tripods, clamps, screws, poles and other accessories before field use. 5. Store instruments in a clean, dry and dust-free environment. 6. Keep survey equipment away from moisture, excessive heat and direct sunlight. 7. Use proper handling procedures while moving levelling staffs, ranging rods, tripods and other long accessories. 8. DO's and DON'T'S are displayed 9. First Aid Kit and Fire Extinguisher available 10. Cell phone usage are prohibited
7	Geology Laboratory	1. Wearing of proper dress code in laboratory is mandatory. 2. Handle rock samples and mineral specimens carefully because of their weight and sharp edges. 3. Store rock specimens securely on stable racks to prevent falling or toppling. 4. DO's and DON'T'S are displayed 5. First Aid Kit and Fire Extinguisher available 6. Cell phone usage are prohibited 7. Cleanliness and ambience is maintained 8. CCTV Cameras
8	Computer Aided Engineering Laboratory	1. Wearing of proper dress code in laboratory is mandatory. 2. Do not operate computers or electrical equipment with wet hands. 3. Keep cables properly arranged to prevent tripping hazards. 4. Do not open, repair or modify computer hardware without authorization from technical staff. 5. Not to keep/consume food or water near computers 6. DO's and DON'T'S are displayed 7. First Aid Kit and Fire Extinguisher available 8. Cell phone usage are prohibited 9. Cleanliness and ambience is maintained 10. Systems are checked and configured regularly.
9	Fluid Mechanics Laboratory	1. Wearing shoes and proper dress code in laboratory is mandatory. 2. Operate equipment only in presence of faculty or lab instructor. 3. Not to touch electric switches and boards in wet hands. 4. DO's and DON'T'S are displayed 5. First Aid Kit and Fire Extinguisher available 6. Cell phone usage are prohibited 7. Cleanliness and ambience is maintained. 8. CCTV Camera

D3. Project Laboratory/Research Laboratory

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PART E: First Year faculty and financial Resources

(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) + (NS2*0.2))/RF
2023-24(CAYm2)	960	48	26	36	58
2024-25(CAYm1)	1140	57	35	39	63
2025-26(CAY)	1380	69	42	39	60

E2. Budget Allocation, Utilization, and Public Accounting at Institute Level

Table No. E2.1: Budget and actual expenditure incurred at Institute level.

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	16795571.74	15844879	10477736.39	9792277	322736.4	307368	43908273.1	41817403
Library	10604500	9750795	10065950	9260083	9313100	8274580	8382550	7511357
Laboratory equipment	34808535.3	33150986	20086739.4	19130228	14354440.94	13801261	10904089.76	10338824
Teaching and non-teaching staff salary	323716074.09	302538387	260055926.921	259276667	219439760.767	216390589.6	190720160.872	188487624
Outreach Programs	2500000	2310000	2200000	2074600	1800000	1713600	1500000	1413000
R&D	880693.26	855042	583937.5	507943.75	495889.637	481446.25	349963.162	333298.25
Training, Placement and Industry linkage	66934409.92	64984864	52488515.72	49626122.06	40635000	38195088	27904902	27092139
SDGs	1245000	1157850	1000000	930000	850000	805800	700000	660800

Entrepreneurship	450000	420750	400000	370800	350000	326200	300000	257100
Others, specify	328106610.143	312106651.97	241219466.344	228215654.72	248308887.97	213605720	166426684.941	151010426.28
Total	786041394.453	743120204.97	598578272.275	579184375.53	535869815.714	493901652.85	451096623.835	428921971.53

E3. Budget Allocation, Utilization, and Public Accounting at Program Specific Level

Table No. E3.1: Budget and actual expenditure incurred at program level.

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Laboratory equipment	245000	207025	220000	181500	185000	150775	262000	196500
Software	139673.476	133022.358	86831.938	82697.1	55287.862	52655.106	63273.058	60839.478
SDGs	47245.841	43938.633	40033.19	37230.87	35464.334	32981.830	41381.891	38485.158
Support for faculty development	130000	75840.382	120000	184338	120000	32981.831	65000	37733.305
R & D	195000	107250	180000	111600	180000	126202.745	104000	60320
Industrial Training, Industry expert,	2635310.409	2558553.796	2101282.625	1986691.881	1695403.769	1593603.941	1649653.723	1601605.623
Miscellaneous Expenses*	28743461.545	26417737.84	22860334.17	21099301.87	21662728.059	19647535.632	22950252.489	22083254.46
Total	32135691.271	29543368.009	25608481.923	23683359.721	23933884.024	21636736.085	25135561.161	24078738.024