



ACHARYA INSTITUTE OF TECHNOLOGY

Affiliated to Visvesvaraya Technological University, Belagavi,
Approved by AICTE, New Delhi,
Recognized by Govt. of Karnataka and Accredited by NBA
(AE, BT, CSE, ECE, ME, MT)



VTU- Research Center Details

List of Details	
1.	Research Center -VTU Approval Letter
2.	Research Guide , Scholar & Project Details
3.	No. of PhD Awarded
4.	Skill Laboratories



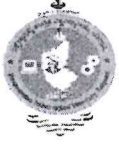
ACHARYA INSTITUTE OF TECHNOLOGY

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(AE, BT, CSE, ECE, ME, MT)



VTU- Research Center Details

Research Center -VTU Approval Letter



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

Dr. B. E. Rangaswamy Ph.D.
REGISTRAR

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

Ref VTU/Aca./Res. Cent./A4/2023-24/ 4456/8)

Date: 29 NOV 2023

NOTIFICATION

Sub: Grant of Recognition / Continuation (Extension) of Research Centers to offer Ph.D/M.Sc.(Engg.) by research reg.....
Ref: Executive Council Resolution No. 2.3.1, dated 07-10-2023.

In Pursuant to the resolution of Executive Council referred to the above, it is hereby notified that the following Department/s are Recognized as Research Centre/s to offer Ph.D / M. Sc.(Engg.) by Research programs under section (41) of the VTU Act 1994, in accordance with the Regulations and Guidelines in force (visit our VTU website www.vtu.ac.in for Regulations & Guidelines). The College / Institution may apply for the continuation of recognition against the University Notification after completion of Recognition period of the Research Centre/s.

Name of the college: ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU

Type of Recognition	Department	Recognition	Period of the Recognition
Continuation Research Centre Recognition	Aerospace Engineering	Recommended	2023-24
	Chemistry	Recommended	2023-24
	Physics	Recommended	2023-24
	Mathematics	Recommended	2023-24
	Computer Applications	Recommended	2023-24
	MBA	Recommended	2023-24
	Mechanical Engineering	Recommended	2023-24
	Electrical & Electronics Engineering	Recommended	2023-24
	Electronics & Communication Engineering	Recommended	2023-24
	Computer Science & Engineering	Recommended	2023-24
Biotechnology	Recommended	2023-24	

R 28/11/23 BE
REGISTRAR
6/27/11/23

To,
The Principal,
Acharya Institute of Technology,
Dr. Sarvepalli Radhakrishna Road,
Hesaraghatta Main Road, Soldevanahalli,
Bengaluru-560107.
Copy to:

1. The Secretary to VC, VTU, Belagavi for kind information.
2. The Registrar (Evaluation) VTU, Belagavi for kind information.
3. The Regional Director (I/C) of all Regional Offices of VTU for kind information.
4. The Special Officer, Ph. D. Section, VTU, Belagavi.

Dem/All HODs/Es2c/MD
13/12/2023

PRINCIPAL
ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107





ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

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'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

Dr. B. E. Rangaswamy P.N.
REGISTRAR

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

Ref VTU/Aca./Res. Cent./A4/2022-23/ 7053/1

Date: 27 FEB 2023

NOTIFICATION

Sub: Grant of Recognition / Continuation (Extension) of Research Centers to offer Ph.D/M.Sc.(Engg.) by research reg.....
Ref: Executive Council Resolution No. 2.1.6, dated 30.07.2022.

In Pursuant to the resolution of Executive Council referred to the above, it is hereby notified that the following Department/s are Recognized as Research Centre/s to offer Ph.D / M. Sc.(Engg.) by Research programs under section (41) of the VTU Act 1994, in accordance with the Regulations and Guidelines in force (visit our VTU website www.vtu.ac.in for Regulations & Guidelines). The College / Institution may apply for the continuation of recognition against the University Notification after completion of Recognition period of the Research Centre/s.

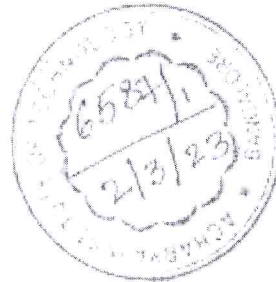
Name of the college: ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU

Type of Recognition	Department	Recognition	Period of the Recognition
Continuation Research Centre Recognition	Chemistry	Recommended	2022-23
	Physics	Recommended	2022-23
	Computer Science & Engineering	Recommended	2022-23
	Computer Applications	Recommended	2022-23
	MBA	Recommended	2022-23
	Electronics & Communication Engineering	Recommended	2022-23
	Electrical & Electronics Engineering	Recommended	2022-23
	Aerospace Engineering	Recommended	2022-23
	Biotechnology	Recommended	2022-23
	Mechanical Engineering	Recommended	2022-23
	Mathematics	Recommended	2022-23

[Signature]
REGISTRAR

27/02/23

To,
The Principal,
Acharya Institute of Technology,
Dr. Sarvepalli Radhakrishna Road,
Hesaraghatta Main Road, Soldevanahalli,
Bengaluru-560107.



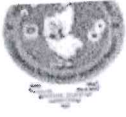
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3. The Regional Director (I/C) of all Regional Offices of VTU for kind information.
4. The Special Officer, Ph. D. Section, VTU, Belagavi.

Acad Adm Hb
Dr. Adm
ES2C
02/03/2023

U. Srinivas
02/03/23

[Signature]
PRINCIPAL
ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107



visvesvaraya Technological University
"Jnana Sangama", Belagavi-590 018, Karnataka State

Phone: (0831) 2498100

Fax: (0831) 2405467

Registrar

Ref. VTU/ACA-LIC/2021-22/SOI 4211/10

Date: 11 0 DEC 2021

NOTIFICATION

Sub: Grant of Recognition / Continuation (Extension) of Research Centers to offer Ph.D/M.Sc. (Engg.) by research reg...
Ref: EC Approval dated 30-11-2021.

Pursuant to the Resolution of Executive Council referred to the above, it is hereby notified that the following Departments are Recognized as Research Centre/s to offer Ph. D / M.Sc. (Engg) by Research programs under section (41) of the VTU Act 1994, in accordance with the Regulations and Guidelines in force (visit our VTU website www.vtu.ac.in for Regulations & Guidelines). The College / Institution may apply for the continuation of recognition against the University Notification after completion of Recognition period of the Research Centre/s.

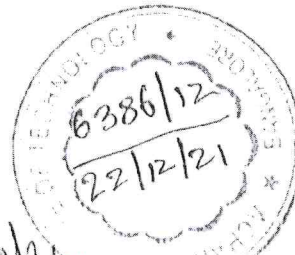
Name of the college: ACHARYA INSTITUTE OF TECHNOLOGY BANGALORE

Type of Recognition	Departments	Recognition	Period of the Recognition
Continuation Research Center	Electrical & Electronics Engineering	Recommended	2021-22 and 2022-23
Continuation Research Center	Master of Business Administration	Recommended	2021-22 and 2022-23
Continuation Research Center	Electronics & Communication Engineering	Recommended	2021-22 and 2022-23
Continuation Research Center	Mechanical Engineering	Recommended	2021-22 and 2022-23
Continuation Research Center	Biotechnology	Recommended	2021-22 and 2022-23
Continuation Research Center	Mathematics	Recommended	2021-22 and 2022-23
Continuation Research Center	Aeronautical Engineering	Recommended	2021-22 and 2022-23
Continuation Research Center	Civil engineering	Not Recommended	NA

Acad/ACA/11/10/21 (RC)
22/12/2021

To,
The Principal,
ACHARYA INSTITUTE OF TECHNOLOGY BANGALORE

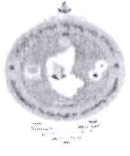
23/12/21



[Signature]
REGISTRAR
VTU, Belagavi
WS

Please Note: Though the Notification is issued for 1 academic year (Fresh) & 2 academic years (Continuation), the college has to pay the continuation fee of Rs. 5,000/- per department annually.

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ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107



Visvesvaraya Technological University
"Jnana Sangama", Belagavi-590 018, Karnataka State

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

Registrar

Ref. VTU/ACA-LIC/2020-21/SO/ 2091

Date: 23 SEP 2020

NOTIFICATION

Sub: Grant of Recognition / Continuation (Extension) of Research Centers to offer Ph.D/M.Sc. (Engg.) by research reg...
Ref: Executive Council Resolution No. 2.3.1 dated 30-07-2020

Pursuant to the Resolution of Executive Council referred to the above, it is hereby notified that the following Departments are Recognized as Research Centre/s to offer Ph. D / M.Sc. (Engg) by Research programs under section (41) of the VTU Act 1994, in accordance with the Regulations and Guidelines in force (visit our VTU website www.vtu.ac.in for Regulations & Guidelines). The College / Institution may apply for the continuation of recognition against the University Notification after completion of Recognition period of the Research Centre/s.

Name of the college: ACHARYA INSTITUTE OF TECHNOLOGY BANGALORE

Type of Recognition	Departments	Recognition	Period of the Recognition
Continuation Research Center	Computer Science & Engineering	Recommended	2020-21 and 2021-22
Continuation Research Center	Master of Computer Application	Recommended	2020-21 and 2021-22
Continuation Research Center	Chemistry	Recommended	2020-21 and 2021-22
Continuation Research Center	Physics	Recommended	2020-21 and 2021-22
New Research Center	Aeronautical Engineering	Recommended	2020-21
New Research Center	Civil engineering	Recommended	2020-21

Co-ordinator Research Centre
15/9

S.P. zero
REGISTRAR
VTU, Belagavi

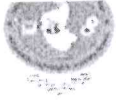
A. S. Prasad
PRINCIPAL
ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107

To,
The Principal,
ACHARYA INSTITUTE OF TECHNOLOGY BANGALORE

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Copy to:

1. The Secretary to VC, VTU, Belagavi for kind information.
2. The Registrar (Evaluation) VTU, Belagavi for kind information



visvesvaraya TECHNOLOGICAL UNIVERSITY
Jnana Sangama", Belagavi-590 018, Karnataka State

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

Registrar

Ref. VTU/ACA-LIC/2019-20/SOI 3181/5

Date: _____

6 AUG 2019

NOTIFICATION

Sub: Grant of Recognition / Continuation (Extension) of Research Centers to offer Ph.D/M.Sc. (Engg.) by research reg...
Ref: Executive Council Resolution No. 2.3.6 , dated 30-05-2019

Pursuant to the Resolution of Executive Council referred to the above, it is hereby notified that the following Departments are Recognized as Research Centre/s to offer Ph. D / M.Sc. (Engg) by Research programs under section (41) of the VTU Act 1994, in accordance with the Regulations and Guidelines in force (visit our VTU website www.vtu.ac.in for Regulations & Guidelines). The College / Institution may apply for the continuation of recognition against the University Notification after completion of Recognition period of the Research Centre/s.

Name of the college: ACHARYA INSTITUTE OF TECHNOLOGY BANGALORE

Type of Recognition	Departments	Recognition	Period of the Recognition
Continuation Research Center	Information Science & Engineering	Not Recommended	
Continuation Research Center	Biotechnology	Recommended	2019-20 and 2020-21
Continuation Research Center	Electronics & Communication Engineering	Recommended	2019-20 and 2020-21
Continuation Research Center	Electrical & Electronics Engineering	Recommended	2019-20 and 2020-21
Continuation Research Center	Mechanical Engineering	Recommended	2019-20 and 2020-21
Continuation Research Center	Master of Business Administration	Recommended	2019-20 and 2020-21
Continuation Research Center	Mathematics	Recommended	2019-20 and 2020-21
New Research Center	Civil engineering	Not Recommended	

To,
The Principal,
ACHARYA INSTITUTE OF TECHNOLOGY BANGALORE


Acad/Research
Centres
16/8/19
6106/5
14/8/19

S. P. 2019
REGISTRAR
VTU, Belagavi

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4. The Special Officer of Ph. D. Section, VTU, Belagavi.


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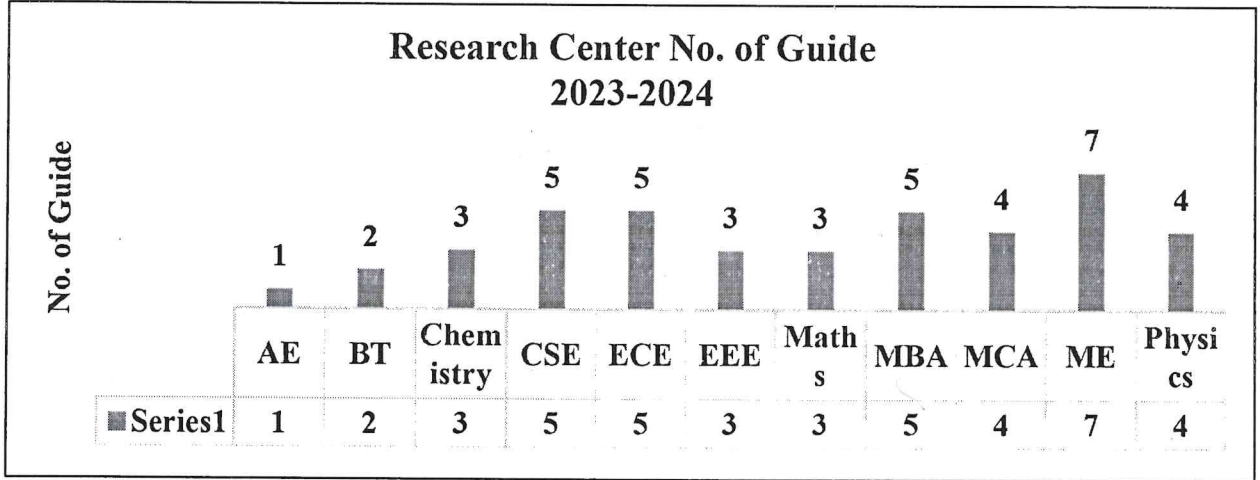
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VTU- Research Center Details

Research Guide, Scholar & Project Details

List of Ph.D Registered Supervisors 2023-24



Sl No.	Name of the Research Supervisors	Ext/Int	Dept
1	Dr. Sarat Kumar Maharana	External	AE
2	Dr. Suneetha T B	Internal	BT
3	Dr. Ismail Shareef	Internal	BT
4	Dr Harish M N K	Internal	Chemistry
5	Dr Vishnuvardhan T K	External	Chemistry
6	Dr. Madhukar Naik	Internal	Chemistry
7	Dr. G. Thippeswamy	External	CSE
8	Dr. Prashanth.C. M	External	CSE
9	Dr. Nagaveni.	External	CSE
10	Dr. Ajith Padyana	Internal	CSE
11	Dr. Sumanth V	External	CSE
12	Dr.Rajeswari	Internal	ECE
13	Dr. Lakshmikanth S	Internal	ECE
14	Dr. Sujatha B M	Internal	ECE

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ACHARYA INSTITUTE OF TECHNOLOGY

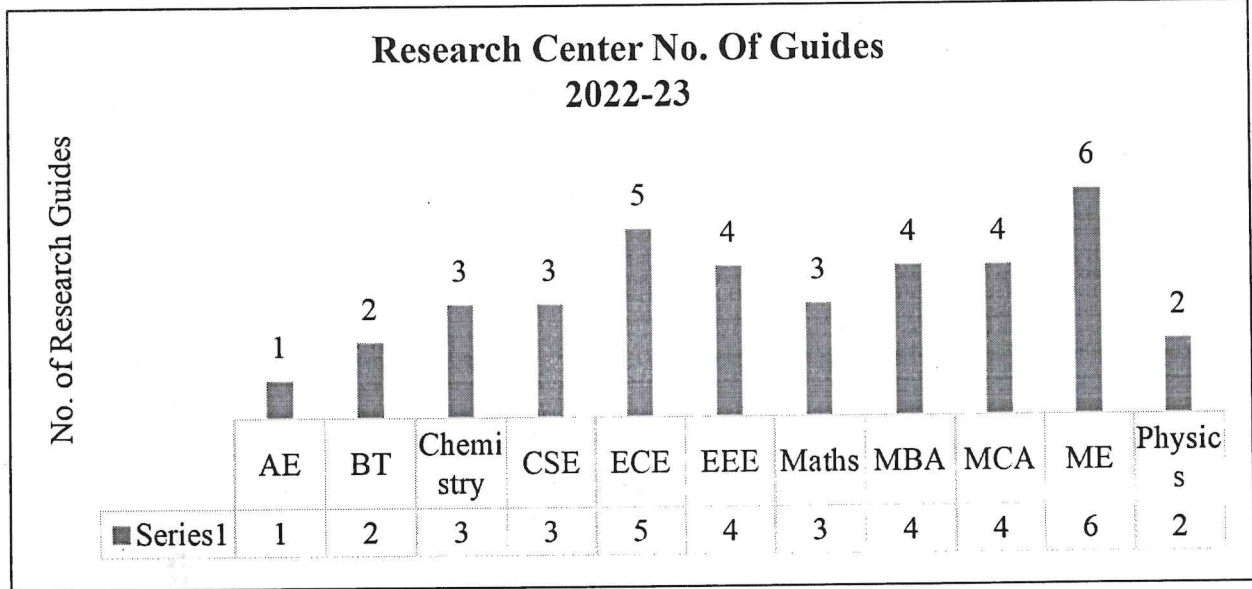
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Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka and
Accredited by NBA (AE, BT, CSE, ECE, ME, MT)

15	Dr. Jayalakshmi H	Internal	ECE
16	Dr. Asha C N	Internal	ECE
17	Dr. R. S. Shivakumara Aradhya	External	EEE
18	Dr. Prakash. R	Internal	EEE
19	Dr. Kusuma Devi	Internal	EEE
20	Dr. Ramireddy	Internal	Maths
21	Dr Rajanna K R	Internal	Maths
22	Dr Indrani Pramod Kelkar	External	Maths
23	Dr. Nijaguna	Internal	MBA
24	Dr G Ramanaiah	External	MBA
25	Dr. Juin Chowdhary	Internal	MBA
26	Dr. Prakash	External	MBA
27	Dr. Virupaksha Gowda	External	MBA
28	Dr Deepti A R	External	MCA
29	Dr. Mamatha G	External	MCA
30	Dr.Ramesh Hedge	External	MCA
31	Dr. G. N. K Suresh Babu	External	MCA
32	Dr Mahesha K	External	ME
33	Dr. C. N Chandrappa	External	ME
34	Dr M H Annaiah	External	ME
35	Dr. Sharana Basava C Pilli	External	ME
36	Dr. Devarajaiah R M	Internal	ME
37	Dr. Santhosh Kumar Malyala	External	ME
38	Dr. Rajath Hegde M M	External	ME
39	Dr. Kavya Shree D	Internal	Phy
40	Dr. Vasanth Kumar M S	Internal	Phy
41	Dr Mahesh S S	Internal	Phy
42	Dr.Chandrashekar M	External	Phy

N. S. Prasad

PRINCIPAL
ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107

List of Ph.D Registered Supervisors 2022-23



Sl No.	Name of the Research Supervisors	Internal/External	Dept
1	Dr. Sarat Kumar Maharana	External	AE
2	Dr S M Gopinath	External	BT
3	Dr. Ismail Shareef	Internal	BT
4	Dr Vishnuvardhan T K	External	CHE
5	Dr. Harish M N K	Internal	CHE
6	Dr. G. Thippeswamy	External	CSE
7	Dr. Prashanth.C. M	External	CSE
8	Dr. Nagaveni.	External	CSE
9	Dr.Rajeswari	Internal	ECE
10	Dr. Lakshmikanth S	Internal	ECE
11	Dr H D Maheshappa	External	ECE
12	Dr.H. S. Aravinda	External	ECE

(Handwritten Signature)



ACHARYA INSTITUTE OF TECHNOLOGY

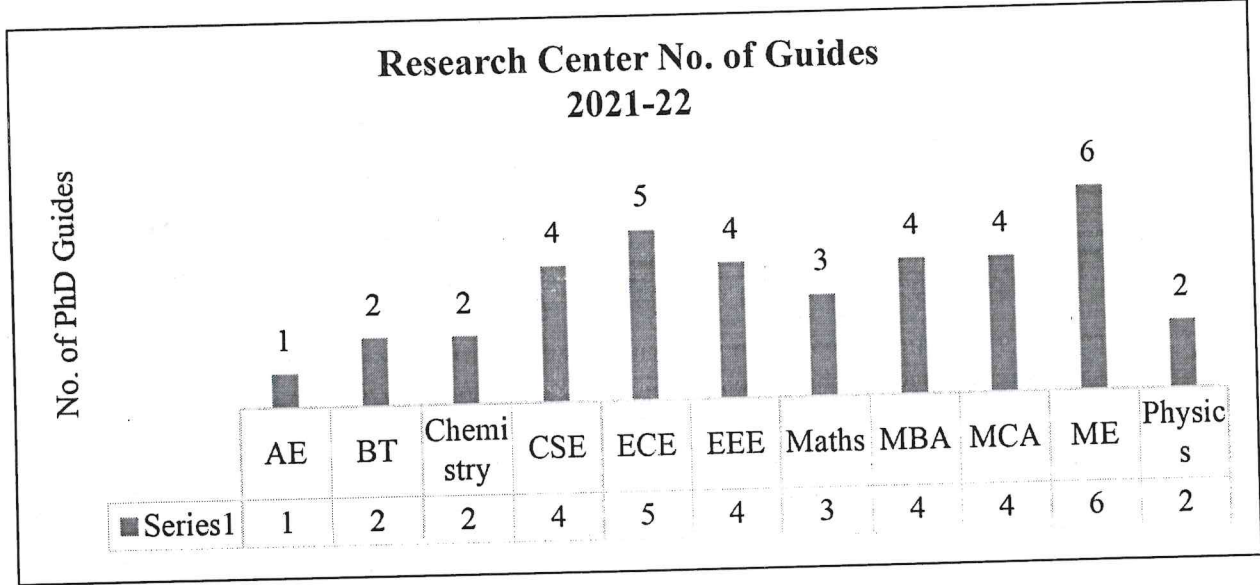
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Accredited by NBA (AE, BT, CSE, ECE, ME, MT)

13	Dr. Sujatha B M	Internal	ECE
14	Dr. R. S. Shivakumara Aradhya	External	EEE
15	Dr. Prakash. R	Internal	EEE
16	Dr. Shivakumaraswamy R	External	EEE
17	Dr. Kusuma Devi	Internal	EEE
18	Dr Rajanna K R	Internal	MATHS
19	Dr Indrani Pramod Kelkar	External	MATHS
20	Dr.Rajeshwari M	External	MATHS
21	Dr. Nijaguna	Internal	MBA
22	Dr G Ramanaiah	External	MBA
23	Dr. Prakash	External	MBA
24	Dr. Virupaksha Gowda	External	MBA
25	Dr Deepti A R	External	MCA
26	Dr. Mamatha G	External	MCA
27	Dr.Ramesh Hedge	External	MCA
28	Dr. G. N. K Suresh Babu	External	MCA
29	Dr Mahesha K	External	ME
30	Dr. C. N Chandrappa	External	ME
31	Dr M H Annaiah	External	ME
32	Dr Prabhakara S S	External	ME
33	Dr. Sharana Basava C Pilli	External	ME
34	Dr. Devarajaiah R M	Internal	ME
35	Dr Mahesh S S	Internal	PHY
36	Dr.Chandrashekar M	External	PHY

K. S. Prasad
PRINCIPAL

ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107

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9	Dr. Nagaveni.	External	CSE
10	Dr.Rajeswari	Internal	ECE
11	Dr. Lakshmikanth S	Internal	ECE
12	Dr H D Maheshappa	External	ECE
13	Dr.H. S. Aravinda	External	ECE

(Signature)
PRINCIPAL
ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107



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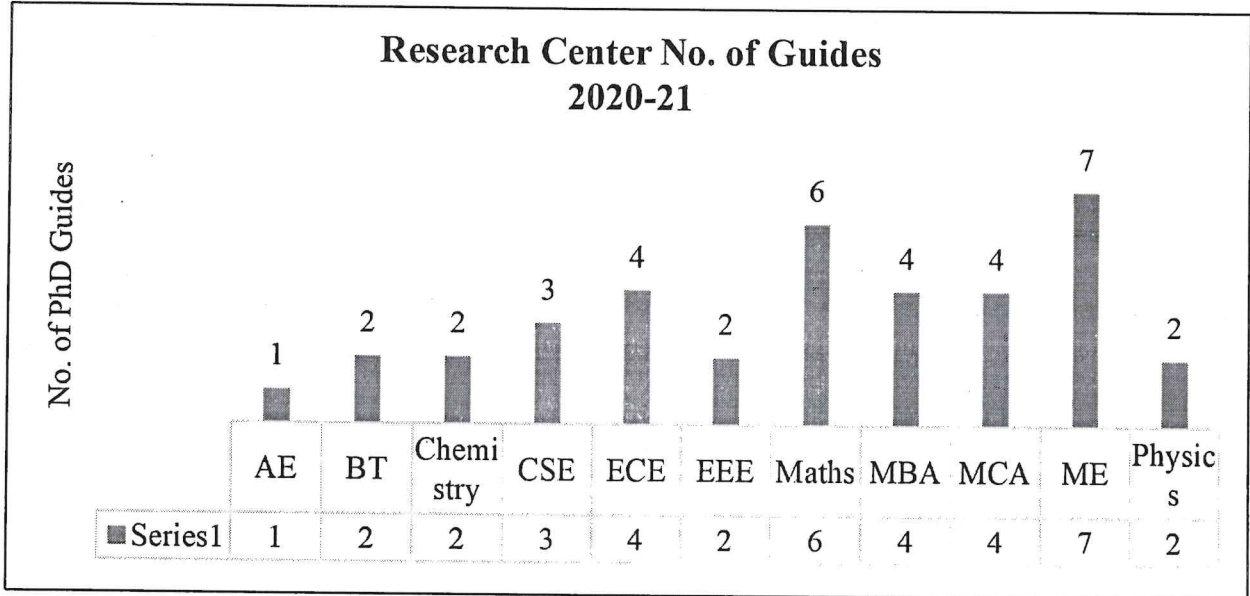
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17	Dr. Shivakumaraswamy R	External	EEE
18	Dr. Kusuma Devi	Internal	EEE
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20	Dr Indrani Pramod Kelkar	External	MATHS
21	Dr.Rajeshwari M	External	MATHS
22	Dr. Nijaguna	Internal	MBA
23	Dr G Ramanaiah	External	MBA
24	Dr. Prakash	External	MBA
25	Dr. Virupaksha Gowda	External	MBA
26	Dr Deepti A R	External	MCA
27	Dr. Mamatha G	External	MCA
28	Dr.Ramesh Hedge	External	MCA
29	Dr. G. N. K Suresh Babu	External	MCA
30	Dr Mahesha K	External	ME
31	Dr. C. N Chandrappa	External	ME
32	Dr M H Annaiah	External	ME
33	Dr Prabhakara S S	External	ME
34	Dr. Sharana Basava C Pilli	External	ME
35	Dr. Devarajaiah R M	Internal	ME
36	Dr Mahesh S S	Internal	PHY
37	Dr.Chandrashekar M	External	PHY


K. S. Pilli

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SOLDEVANAHALLI, BENGALURU - 560 107

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4	Dr Vishnuvardhan T K	External	CHE
5	Dr. Harish M N K	Internal	CHE
6	Dr. G. Thippeswamy	External	CSE
7	Dr. Prashanth.C. M	External	CSE
8	Dr. Nagaveni.	Internal	CSE
9	Dr.Rajeswari	Internal	ECE
10	Dr. Lakshmikanth S	Internal	ECE
11	Dr H D Maheshappa	External	ECE
12	Dr.H. S. Aravinda	External	ECE
13	Dr. R. S. Shivakumara Aradhya	External	EEE
14	Dr. Prakash. R	Internal	EEE
15	Dr Rajanna K R	Internal	Maths


 PRINCIPAL
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 SOLDEVANAHALLI, BENGALURU - 560 107



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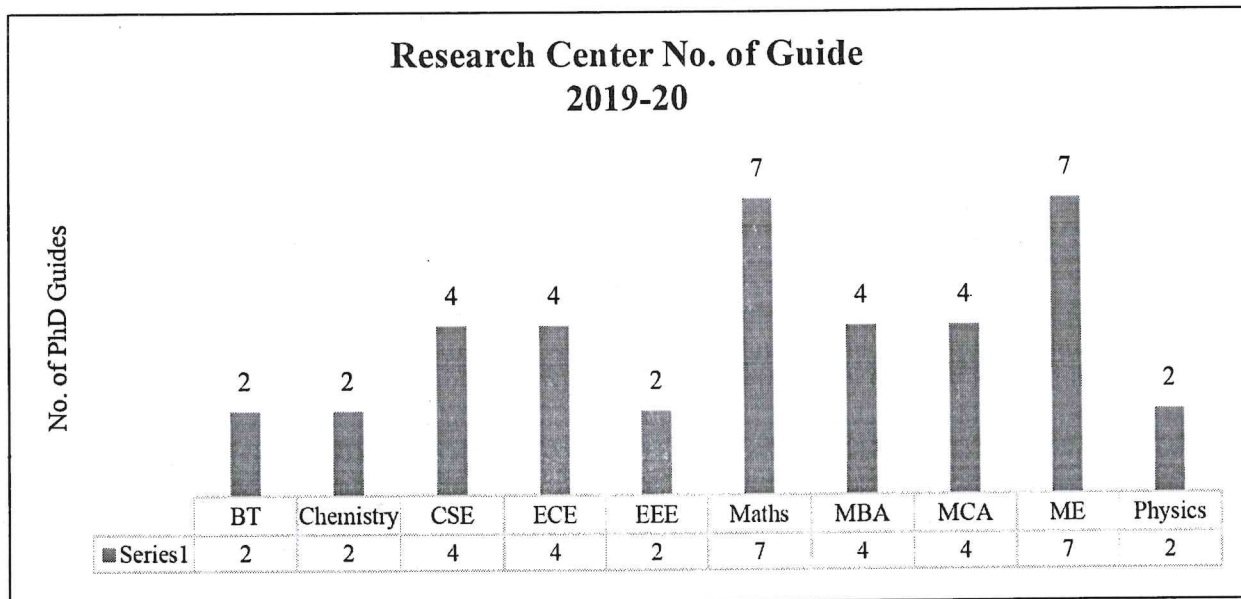
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Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka and
Accredited by NBA (AE, BT, CSE, ECE, ME, MT)

16	Dr Indrani Pramod Kelkar	External	Maths
17	Dr. Pradeep Kumar	External	Maths
18	Dr. Somashekhar G	External	Maths
19	Dr. Girisha A	External	Maths
20	Dr. Ramireddy	Internal	Maths
21	Dr. Nijaguna	Internal	MBA
22	Dr G Ramanaiah	External	MBA
23	Dr. Prakash	External	MBA
24	Dr. Virupaksha Gowda	Internal	MBA
25	Dr Deepti A R	External	MCA
26	Dr. Mamatha G	External	MCA
27	Dr.Ramesh Hedge	Internal	MCA
28	Dr. G. N. K Suresh Babu	External	MCA
29	Dr Mahesha K	External	ME
30	Dr. C. N Chandrappa	External	ME
31	Dr. A R K Swamy	Internal	ME
32	Dr M H Annaiah	External	ME
33	Dr Prabhakara S S	External	ME
34	Dr. Sharana Basava C Pilli	External	ME
35	Dr. Devarajaiah R M	Internal	ME
36	Dr Mahesh S S	Internal	PHY
37	Dr.Chandrashekar M	External	PHY


N. C. Pilli

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List of Ph.D Registered Supervisors 2019-20



SI No.	Name of the Research Supervisors	Internal/External	Dept
1	Dr S M Gopinath	External	BT
2	Dr. Ismail Shareef	Internal	BT
3	Dr Vishnuvardhan T K	External	CHE
4	Dr. Harish M N K	Internal	CHE
5	Dr. G. Thippeswamy	External	CSE
6	Dr. Prashanth.C. M	External	CSE
7	Dr. Nagaveni.	Internal	CSE
8	Dr. G N K Suresh Babu	External	CSE
9	Dr.Rajeswari	Internal	ECE
10	Dr. Siva Yellampalli	External	ECE
11	Dr H D Maheshappa	External	ECE
12	Dr.H. S. Aravinda	External	ECE
13	Dr. R. S. Shivakumara Aradhya	External	EEE
14	Dr. Prakash. R	Internal	EEE
15	Dr Rajanna K R	Internal	Maths
16	Dr Indrani Pramod Kelkar	External	Maths
17	Dr. Pradeep Kumar	External	Maths


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Accredited by NBA (AE, BT, CSE, ECE, ME, MT)

18	Dr. Somashekhar G	External	Maths
19	Dr. Girisha A	External	Maths
20	Dr Ramireddy	Internal	Maths
21	Dr. Rajeshwari M	External	Maths
22	Dr. Nijaguna	Internal	MBA
23	Dr G Ramanaiah	External	MBA
24	Dr. Prakash	External	MBA
25	Dr. Prakash B Yaragol	Internal	MBA
26	Dr Deepti A R	External	MCA
27	Dr. Mamatha G	External	MCA
28	Dr.Ramesh Hedge	Internal	MCA
29	Dr. G. N. K Suresh Babu	External	MCA
30	Dr Mahesha K	External	ME
31	Dr. C. N Chandrappa	External	ME
32	Dr. A R K Swamy	External	ME
33	Dr M H Annaiah	External	ME
34	Dr Prabhakara S S	External	ME
35	Dr. Sharana Basava C Pilli	External	ME
36	Dr. Devarajaiah R M	Internal	ME
37	Dr Mahesh S S	Internal	PHY
38	Dr.Chandrashekar M	External	PHY

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Details of Research Guide and Scholar Year 2020-21

SL.No	Name Of Full Time Teacher With Ph.D.-D.M-M.Ch.-D.N.B Superspeciality-D.Sc.-D'Lit.	Qualification (Ph.D.-D.M-M.Ch.-D.N.B Superspeciality-D.Sc.-D'Lit.) And Year Of Obtaining	Whether Recognised As Research Guide For Ph.D.-D.M-M.Ch.-D.N.B Superspeciality -D.Sc.-D'Lit.	Year Of Recognition As Research Guide	Is The Teacher Still Serving The Institution-If Not Last Year Of The Service Of Faculty To The Institution	Name Of The Scholar	Year Of Registration Of The Scholar	Title Of The Thesis For Scholar
1.	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Swetha S	2015-16	Study Of Ice Accretion And Its Impact Over An Airfoil And a Cylindrical Surface Of a Jet Based Engine Using Multiphase Approach
	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Deepa M S	2015-16	Numerical And Experimental Investigation On Gas Turbine Reverse Flow Annular

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							Combustor
Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Supreeth	2015-16	Aerodynamic Design And Optimization Of a Horizontal Axis Small Wind Turbine Rotor Blade
Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Amit Kumar Goudar	2010-11	Numerical Study Of Turbulent Flow Over a Bluff Body Usinghybrid Les-Rans And Pans Methods
Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Venugopal Mm	2011-12	Computational Modeling Of Wind Effects On a Built Environment And Its Response
Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Vijaya Kumar R	2012-13	Development Of Glass Fiber Reinforced Polymer Matrix Composites For An Application



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Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	S Srinivasan	2010-11	Numerical Investigation Of Effect Of Asymmetrical Downburst On Aircraft Wing At Different Angles Of Attack
Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Sanjeev G Palekar	2011-11	A Multi-Objective Approach For Aeroelastic Load Evaluation And Optimization For a Wing During Fluid And Structure Interactions
Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Janardhana K	2011-12	Study And Optimization Of Dynamic Characteristics Of Rotating Fan Blade Of a Gas Turbine Under Vibration Related High Cycle Fatigue

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								Damage
	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Nagalinges hwara V	2012-13	Development Of Sandwich Panel For Aerospace Applications
	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Sajnaparimi tapanig Rahi	2012-13	Numerical Simulation Of Thermal And Airflow Analysis In An Unglazed Transpired Solar Collector (Utc)
	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Ravi Pullepudi	2012-13	Design And Aerodynamic Analysis Of Insect-Sized Flapping Wing Micro Aerial Vehicle
2.	Dr Muthu Kumar M	Ph.D-2017	No	Na	Yes	Na	Na	Na
3.	Dr. Prashanth K P	Ph.D-2019	Ph.D	2020-21	Yes	Na	Na	Na
4.	Dr. Yuvaraj L	Ph.D-2020	No	Na	Yes	Na	Na	Na

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5.	Dr. Harish M. N. K.	Ph.D-2009	Ph.D	2014-15	Yes	Shwetha.R	2015-16	Surface Modification And Photosensitization Of Metal Oxide Nanostructures For Photochemical Treatment Of Waste Water
	Dr. Harish M. N. K.	Ph.D-2009	Ph.D	2014-15	Yes	Poornima.G S	2015-16	Mechanochemical Route For The Synthesis Of Stable Organic And Inorganic Hybrid Materials For The Efficient Removal Of Pollutants From Water
	Dr. Harish M. N. K.	Ph.D-2009	Ph.D	2014-15	Yes	Satish.K	2015-16	Natural Products And Their Derivatives Functionalized Nanomaterials For Biomedical Applications

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6.	Dr. C Muthukumar	Phd-2012	No	Na	Yes	Na	Na	Na
7.	Dr. Brungesh Kv	Ph.D-2019	No	Na	Yes	Na	Na	Na
8.	Dr Surekha K B	Phd-2017	Ph.D.	2019-20	Yes	Na	Na	Na
9.	Dr Prashanth C M	Phd-2011	Ph.D.	2012-13	Yes	Ragini Krishna	2013-14	Analysis Of User Influence Based On The Context For Twitter Data Using Machine Learning Techniques
10.	Dr V Nagaveni	Phd-2016	Ph.D	2017-18	Yes	Sohara Banu	2019-20	Effective Way To Fall Prediction By Utilizing The Hrv Data Of High Blood Pressure Patients
	Dr V Nagaveni	Phd-2016	Ph.D	2017-18	Yes	Ashwini N	2018-19	Automated Forecasting Of Time Series Using Computational Intelligent Approach
	Dr V Nagaveni	Phd-2016	Ph.D	2017-18	Yes	Shruthi U	2018-19	An Intelligent System For Detection And

								Classification Of Plant Diseases Using Parallel Ann
11.	Dr V Nagaveni	Phd-2016	Ph.D	2017-18	Yes	Navya Shridhar	2018-19	Device Type Identification In Iot
12.	Dr.R.Prakash	Ph.D-2011	Ph.D	2012-13	Yes	Sunitha.N.S	2013-14	Study On Behavior Of Hydrophobic Properties Of Polymeric Insulators
	Dr.R.Prakash	Ph.D-2011	Ph.D	2012-13	Yes	Swetha.G,	2013-14	Development Of New Optimization Techniques For Network Reconstruction And Reconfiguration In Distribution System
	Dr.R.Prakash	Ph.D-2011	Ph.D	2012-13	Yes	Radhika Priyadarshini	2014-15	Reconfiguration And Capacitor Placement Simultaneously For Energy Loss Reduction Based On Evolutionary Algorithms.



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	Dr.R.Prakash	Ph.D-2011	Ph.D	2012-13	Yes	Jp Sridhara	2013-14	Impact Switching Renewable Energy Sources On Power Quality And Its Mitigation In a Integrated Power System
13.	Dr.R.Prakash	Ph.D-2011	Ph.D	2012-13	Yes	Sunilkumar A.V	2016-17	Location And Rating Of Facts Controllers
14.	Dr.Kusumadevi.G.H	Ph.D-2018	Ph.D	2019-20	Yes	Kubera.U	2020-21	Gridable Electric Vehicle Aggregator Placement In Distribution Network To Improve Voltage Profile And Reduce Losses
15.	Dr.Lekshmi.M	Ph.D-2020	No	Na	Yes	Na	Na	Na
16.	Dr.Aruna.M	Ph.D-2018	No	Na	Yes	Na	Na	Na
17.	Dr. Ramesh Sengodan	Ph.D-2015	No	Na	Yes	Na	Na	Na
18.	Dr. Rajanna K R	Ph.D-2011	Ph.D	2012-13	Yes	Sridevi M J	2012-13	An Empirical Study On Energy Of



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								Graphs.
19.	Dr. Rajanna K R	Ph.D-2011	Ph.D	2012-13	Yes	Madhusudhan K V,	2013-14	An Expedition To New Frontiers Of Signed Graphs And Related Topics
	Dr. Rajanna K R	Ph.D-2011	Ph.D	2012-13	Yes	Narendra R	2016-17	An Elucidative Study In The Field Of Theta Functions And Modular Equations And Their Applications.
20.	Dr. T Rami Reddy	Ph.D-2014	Ph.D	2015-16	Yes	Shashikumar H C	2016-17	Advances In Structures Of Gamma Semi Groups
21.	Dr. Niranjn C M	Ph.D-2021	No	Na	Yes	Na	Na	Na
22.	Dr Juin Choudary	Ph.D-2004	No	Na	Yes	Na	Na	Na
23.	Dr Nijaguna G	Ph.D-2010	Ph.D	2011-12	Yes	Praveen Kumar	2012-13	Development Of Product And Services Differentiation Across Scm In It

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								Industry
	Dr Nijaguna G	Ph.D-2010	Ph.D	2011-12	Yes	Shivasharan a	2015-16	Study On Outsourcing In Supply Chain With Reference To Indian Automobile Industry
	Dr Nijaguna G	Ph.D-2020	Ph.D	2011-12	Yes	Chandra Kala	2015-16	Return On Investment As Evaluating Tool Of Training Effectiveness In It Industry
	Dr Nijaguna G	Ph.D-2020	Ph.D	2011-12	Yes	Kishan Patil	2020-21	A Study On Green Marketing And The Sustainability In Retail Industry
	Dr Nijaguna G	Ph.D-2020	Ph.D	2011-12	Yes	Ramya K	2020-21	A Study On Hr Information System Across Scm In An Automobile Industry
24.	Dr Renuka Devi	Ph.D-2017	Ph.D	2018-19	Yes	Na	Na	Na
25.	Dr Virupaksha Goud	Ph.D-2017	Ph.D	2018-19	Yes	Ms Sangeetha	2019	A Study On Influence Of Indian



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	G					S V		Migrants In Acceptance And Buying Of Indian Non-Allopathic Products By Non Indians In Usa
26.	Dr. Shivakumar Swamy.R	Ph.D-2019	Ph.D	2020-21	Yes	Shivakumar .K.S	2020-21	Optimal Energy Management In Distribution System For Electric Vehicle Charging Using Novel Method
27.	Dr. Devarajaiah R.M.	Ph.D-2016	Ph.D	2016-17	Yes	Naveen Kumar S N	2019	Processing And Characterization Of Functionally Graded Aluminium Composites
	Dr. Devarajaiah R.M.	Ph.D-2016	Ph.D	2016-17	Yes	Vijaykumar Pujar	2017	Investigations Into Adhesive And Abrasive Wear Modes Of Synthetic Fiber Reinforced Polymer Composite With Ceramic And

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								Lubricating Fillers
28.	Dr.Suneetha.T.B	Ph.D-2013	Ph.D	2018-19	Yes	Na	Na	Na
29.	Dr. Maneesh Paul. S	Ph.D- 2002	Ph.D	2018-19	Yes	Na	Na	Na
30.	Dr.Ismail Shareef.M	Ph.D-2014	Ph.D	2014-15	Yes	Akshata G Athreya	2016-17	Synthesis And Characterization Of Nanomaterials For Tackling Multi Drug Resisitance(Mdr(Fro m Clinical Isolates.
	Dr.Ismail Shareef.M	Ph.D-2014	Ph.D	2014-15	Yes	Amulya.G	2016-17	Synthesis, Characterization And Anticancer Activity Of Metal Oxide Nano Particles
31.	Dr.Ashalatha	Ph.D- 2019	No	Na	Yes	Na	Na	Na
32.	Dr.Shilpa Sivashankar	Ph.D-2012	No	Na	Yes	Na	Na	Na
33.	Dr. Rajeswari	Phd-2014	Ph.D	2015-16	Yes	Sandeep Kumar K	2015-16	Computer Vision For Automatic Weed Detection & Herbicide Spraying Control In

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								Horticulture Plantation.
	Dr. Rajeswari	Phd-2014	Ph.D	2015-16	Yes	Veenasanath Kumar	2016-17	Efficient Vlsi Architecture For Ray Tracing.
	Dr. Rajeswari	Phd-2014	Ph.D	2015-16	Yes	Sumalathas	2015-16	Design & Implementation Of High Performance Micro Architecture For Video Codec
	Dr. Rajeswari	Phd-2014	Ph.D	2015-16	Yes	Pranita N P	2019-20	Robust Speaker Recognition Under Limited Data Condition.
34.	Dr. Lakshmikath S	Phd-2015	Ph.D	2017-18	Yes	Jeevith S H	2017-18	Design & Development Of Efficient Architecture For Moving Object Detection & Tracking In Videos
	Dr. Lakshmikath S	Phd-2015	Ph.D	2017-18	Yes	Mohamed Najmus	2018-19	An Optimized Hybrid Channel

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						Saqhib		Route Discovery Process For Wireless Sensor Networks.
35.	Dr. Sujatha B M	Phd-2020	Ph.D	2019-20	Yes	Mrs. Kalpavi C Y	2020-21	Leech Protocol For Wireless Semsor Network
36.	Dr. Prakash S Dabeer	Ph.D-2012	Ph.D	2013-14	Yes	Na	Na	Na
37.	Dr. Manjunatha.B	Ph.D-2019	No	Na	Yes	Na	Na	Na
38.	Dr. Attel Manjunath	Ph.D-2019	No	Na	Yes	Na	Na	Na
39.	Dr. Sanman.S	Ph.D-2019	No	Na	Yes	Na	Na	Na
40.	Dr. Pakkirappa.H	Ph.D-2021	No	Na	Yes	Na	Na	Na
41.	Dr. R. Shadakshari	Ph.D-2020	No	Na	Yes	Na	Na	Na
42.	Dr. Nagaraja.K.C	Ph.D-2021	No	Na	Yes	Na	Na	Na
43.	Dr. Nagamadhu	Ph.D-2021	No	Na	Yes	Na	Na	Na
44.	Dr. Manjunath Channappagouda	Ph.D-2020	No	Na	Yes	Na	Na	Na
45.	Dr. Santosh Kumar Malyala	Ph.D-2019	Ph.D	2020-21	Yes	Na	Na	Na



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46.	Dr. Kavyashree.D	Ph.D-2018	Ph.D	2019-20	Yes	Na	Na	Na
47.	Dr. Vasanthakumar M S	Ph.D-2016	Ph.D	2018-19	Yes	Na	Na	Na
48.	Dr. Mahesh S S	Phd-2011	Ph.D	2012-13	Yes	Mallikarjun a K S	2013-14	Micro Structural Parameters And Stacking Faults Of Water-Soluble Polymer Blends With Inorganic Salts Using Whole Pattern Fitting Method
	Dr. Mahesh S S	Phd-2011	Ph.D	2012-13	Yes	Mohammed Irfan	2014-15	Effect Of Dopants On The Optical & Electrical Properties Of Polyvinyl Alcohol (Pva) Based Polymer Electrolytes"
	Dr. Mahesh S S	Phd-2011	Ph.D	2012-13	Yes	Razikhaban us	2015-16	Charterisation Of Nanoparticles For Sensing Applications

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	Dr. Mahesh S S	Phd-2011	Ph.D	2012-13	Yes	Shilpa J	2020-21	Studies On Optical And Electrical Properties Of Water Soluble Polymer By Addition Of Dopants And Metal Oxide Nanoparticles
49.	Dr.Ramesh Hegde	Phd-2015	Ph.D	2016-17	Yes	K Uma	2018-19	A Cloud System Security Framework


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Details of Research Guide and Scholar Year 2021-22

SL.No.	Name of full time teacher with Ph.D.-D.M-M.Ch.-D.N.B Superspeciality-D.Sc.-D'Lit.	Qualification (Ph.D.-D.M-M.Ch.-D.N.B Superspeciality-D.Sc.-D'Lit.) and Year of obtaining	Whether recognised as research Guide for Ph.D.-D.M-M.Ch.-D.N.B Superspeciality-D.Sc.-D'Lit.	Year of Recognition as Research Guide	Is the teacher still serving the institution-If not last year of the service of Faculty to the Institution	Name of the scholar	Year of registration of the scholar	Title of the thesis for scholar
1.	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Amit Kumar Goudar	2010-11	Numerical Study Of Turbulent Flow Over a Bluff Body Usinghybrid Les-Rans And Pans Methods
2.	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Venugopal Mm	2011-12	Computational Modeling Of Wind Effects On a Built Environment And Its Response

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3.	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Vijaya Kumar R	2012-13	Development Of Glass Fiber Reinforced Polymer Matrix Composites For An Application
4.	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	S Srinivasan	2010-11	Numerical Investigation Of Effect Of Asymmetrical Downburst On Aircraft Wing At Different Angles Of Attack
5.	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Sanjeev G Palekar	2011-11	A Multi-Objective Approach For Aeroelastic Load Evaluation And Optimization For a Wing During Fluid And Structure Interactions
6.	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Janardhana K	2011-12	Study And Optimization Of Dynamic Characteristics Of Rotating Fan Blade Of



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								a Gas Turbine Under Vibration Related High Cycle Fatigue Damage
7.	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Nagalinges hwara V	2012-13	Development Of Sandwich Panel For Aerospace Applications
8.	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Sajnapari mitapanig Rahi	2012-13	Numerical Simulation Of Thermal And Airflow Analysis In An Unglazed Transpired Solar Collector (Utc)
9.	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Ravi Pullepudi	2012-13	Design And Aerodynamic Analysis Of Insect-Sized Flapping Wing Micro Aerial Vehicle

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10.	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Swetha S	2015-16	Study Of Ice Accretion And Its Impact Over An Airfoil And a Cylindrical Surface Of a Jet Based Engine Using Multiphase Approach
11.	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	Deepa M S	2015-16	Numerical And Experimental Investigation On Gas Turbine Reverse Flow Annular Combustor
12.	Dr Sarat Kumar Maharana	Ph.D-2000	Ph.D	2010-11	Yes	R Supreeth	2015-16	Aerodynamic Design And Optimization Of a Horizontal Axis Small Wind Turbine Rotor Blade
13.	Dr Vennugopal M M	Phd-2020	Phd	Na	Yes	Na	Na	Na
14.	Dr. Prashanth K P	Ph.D-2019	Ph.D	2020-21	Yes	Na	Na	Na

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15.	Dr. Ismail Shareef M	Phd-2014	Phd	2014-15	Yes	Mr. Amar Shankar	2013-14	Characterization Of Major Bioactive Compounds Including Hiv-I Reverse Transcriptase And Protease From Some Medicinal Plants
16.	Dr. Ismail Shareef M	Phd-2014	Phd	2014-15	Yes	Ms. Akshata G Atreya	2016-17	Synthesis And Characterization Of Nanomaterials For Tackling Multi Drug Resistance (Mdr) From Clinical Isolates
17.	Dr. Ismail Shareef M	Phd-2014	Phd	2014-15	Yes	Ms. Amulya G	2016-17	Synthesis, Characterization And Anticancer Activity Of Tin Dioxide And Aluminium Oxide Nano Particles
18.	Dr. Suneetha T.B.	Phd-2013	Phd	2018-19	Yes	Na	Na	Na
19.	Dr.Ashalatha	Ph.D- 2019	No	Na	Yes	Na	Na	Na
20.	Dr.Shilpa	Ph.D-2012	No	Na	Yes	Na	Na	Na

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	Sivashankar							
21.	Dr. Harish M. N. K.	Ph.D-2009	Ph.D	2014-15	Yes	Shwetha.R	2015-16	Surface Modification And Photosensitization Of Metal Oxide Nanostructures For Photochemical Treatment Of Waste Water
22.	Dr. Harish M. N. K.	Ph.D-2009	Ph.D	2014-15	Yes	Poornima. G S	2015-16	Mechanochemical Route For The Synthesis Of Stable Organic And Inorganic Hybrid Materials For The Efficient Removal Of Pollutants From Water
23.	Dr. Harish M. N. K.	Ph.D-2009	Ph.D	2014-15	Yes	Satish.K	2015-16	Natural Products And Their Derivatives Functionalized Nanomaterials For Biomedical Applications

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24.	Dr. C Muthukumar	Phd-2012	No	Na	Yes	Na	Na	Na
25.	Dr. Brungesh Kv	Ph.D-2019	No	Na	Yes	Na	Na	Na
26.	Dr. Madhukar Naik M	Phd-2020	Phd	2021-22	Yes	Na	Na	Na
27.	Dr Prashanth C M	Phd-2011	Ph.D.	2012-13	Yes	Ragini Krishna	2013-14	Analysis Of User Influence Based On The Context For Twitter Data Using Machine Learning Techniques
28.	Dr V Nagaveni	Phd-2016	Ph.D	2017-18	Yes	Sohara Banu	2019-20	Effective Way To Fall Prediction By Utilizing The Hrv Data Of High Blood Pressure Patients
29.	Dr V Nagaveni	Phd-2016	Ph.D	2017-18	Yes	Ashwini N	2018-19	Automated Forecasting Of Time Series Using Computational Intelligent Approach
30.	Dr V Nagaveni	Phd-2016	Ph.D	2017-18	Yes	Shruthi U	2018-19	An Intelligent System For Detection And Classification Of Plant Diseases Using Parallel

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								Ann
31.	Dr V Nagaveni	Phd-2016	Ph.D	2017-18	Yes	Navya Shridhar	2018-19	Device Type Identification In Iot
32.	Dr V Nagaveni	Phd-2016	Ph.D	2017-18	Yes	Karthik D U	2020-21	A Systematic Approach To Cloud Security Using Sedas Platform
33.	Dr V Nagaveni	Phd-2016	Ph.D	2017-18	Yes	Anuradha	2020-21	Crypting Of Land Records And Land Devation In India Using Block Chain Technology
34.	Dr. Rajeswari	Phd-2014	Ph.D	2015-16	Yes	Sandeep Kumar K	2015-16	Computer Vision For Automatic Weed Detection & Herbicide Spraying Control In Horticulture Plantation.
35.	Dr. Rajeswari	Phd-2014	Ph.D	2015-16	Yes	Veenasana th Kumar	2016-17	Efficient Vlsi Architecture For Ray



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								Tracing.
36.	Dr. Rajeswari	Phd-2014	Ph.D	2015-16	Yes	Sumalatha S	2015-16	Design & Implementation Of High Performance Micro Architecture For Video Codec
37.	Dr. Rajeswari	Phd-2014	Ph.D	2015-16	Yes	Pranita N P	2019-20	Robust Speaker Recognition Under Limited Data Condition.
38.	Dr. Lakshmikath S	Phd-2015	Ph.D	2017-18	Yes	Jeevith S H	2017-18	Design & Development Of Efficient Architecture For Moving Object Detection & Tracking In Videos
39.	Dr. Lakshmikath S	Phd-2015	Ph.D	2017-18	Yes	Mohamed Najmus Saqhib	2018-19	An Optimized Hybrid Channel Route Discovery Process For Wireless Sensor Networks.

K. S. Prasad
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40.	Dr. Lakshmikath S	Phd-2015	Ph.D	2017-18	Yes	Lakshmika nth Reddy	2019-20	Design Of MemS Sensor To Direct Contaminants In Automobilelpg Using Comsol Multiphysics
41.	Dr. Sujatha B M	Phd-2020	Ph.D	2019-20	Yes	Mrs. Kalpavi C Y	2020-21	Leech Protocol For Wireless Semsor Network
42.	Dr. Sujatha B M	Phd-2020	Ph.D	2019-20	Yes	Kiran Kumar	2021-22	Course Work
43.	Dr. Sujatha B M	Phd-2020	Ph.D	2019-20	Yes	Madhu H M	2021-22	Course Work
44.	Dr. Jayalaxmi H	Phd -2021	Phd	Na	Yes	Na	Na	Na
45.	Dr. C N Asha	Phd -2020	No	Na	Yes	Na	Na	Na
46.	Dr.R.Prakash	Ph.D-2011	Ph.D	2012-13	Yes	Sunitha.N. S	2013-14	Study On Behavior Of Hydrophobic Properties Of Polymeric Insulators

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47.	Dr.R.Prakash	Ph.D-2011	Ph.D	2012-13	Yes	Swetha.G,	2013-14	Development Of New Optimization Techniques For Network Reconstruction And Reconfiguration In Distribution System
48.	Dr.R.Prakash	Ph.D-2011	Ph.D	2012-13	Yes	Sunilkumar A.V	2016-17	Location And Rating Of Facts Controllers
49.	Dr.Kusumadevi.G.H	Ph.D-2018	Ph.D	2019-20	Yes	Kubera.U	2020-21	Gridable Electric Vehicle Aggregator Placement In Distribution Network To Improve Voltage Profile And Reduce Losses
50.	Dr.Lekshmi.M	Ph.D-2020	No	Na	Yes	Na	Na	Na
51.	Dr.Shivakumar Swamy.R	Phd-	Phd	2021-22	Yes	Shivakumar.K.S	2021-22	Optimal Energy Management In Distribution System For Electric Vehicle Charging Using Novel

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								Method
52.	Dr.Aruna.M	Ph.D-2018	No	Na	Yes	Na	Na	Na
53.	Dr. Rajanna K R	Ph.D-2011	Ph.D	2012-13	Yes	Narendra R	2016-17	An Elucidative Study In The Field Of Theta Functions And Modular Equations And Their Applications.
54.	Dr. Rajanna K R	Ph.D-2011	Ph.D	2012-13	Yes	Dechamma	2017-18	Some Problems In Graph Colouring And Graph Structures
55.	Dr. T Rami Reddy	Ph.D-2014	Ph.D	2015-16	Yes	Shashikumar H C	2016-17	Advances In Structures Of Gamma Semi Groups
56.	Dr. Niranjn C M	Ph.D-2021	No	Na	Yes	Na	Na	Na
57.	Dr Juin Choudary	Ph.D-2004	No	Na	Yes	Na	Na	Na
58.	Dr Nijaguna G	Ph.D-2010	Ph.D	2011-12	Yes	Shivasharana	2015-16	Study On Outsourcing In Supply Chain With Reference To Indian



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								Automobile Industry
59.	Dr Nijaguna G	Ph.D-2020	Ph.D	2011-12	Yes	Kishan Patil	2020-21	A Study On Green Marketing And The Sustainability In Retail Industry
60.	Dr Nijaguna G	Ph.D-2020	Ph.D	2011-12	Yes	Ramya K	2020-21	A Study On Hr Information System Across Scm In An Automobile Industry
61.	Dr Renuka Devi	Ph.D-2017	Ph.D	2018-19	Yes	Na	Na	Na
62.	Dr.Ramanaiah G	Ph.D-	Ph.D	2012-13	No	Jayalaxmi	2016-17	A Study On Financial Inclusion In Capital Market
63.	Dr.Ramanaiah G	Ph.D-	Ph.D	2012-13	No	Monica	2016-17	A Study On Emotional Intellegence In Higher Educational Institutes
64.	Dr.Prakash Yaragol	Ph.D-	Ph.D	2012-13	No	Sharma Krs	2018-19	A Study On Financial Inclusion And Its Impact On Economic Status Of Low Income

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								Groups In Agri Sector , Bengaluru Rural District
65.	Dr. Prakash S Dabeer	Ph.D-2012	Ph.D	2013-14	Yes	Na	Na	Na
66.	Dr. Manjunatha.B	Ph.D-2019	No	Na	Yes	Na	Na	Na
67.	Dr. Attel Manjunath	Ph.D-2019	No	Na	Yes	Na	Na	Na
68.	Dr. Sanman.S	Ph.D-2019	No	Na	Yes	Na	Na	Na
69.	Dr. Pakkirappa.H	Ph.D-2021	No	Na	Yes	Na	Na	Na
70.	Dr. R. Shadakshari	Ph.D-2020	No	Na	Yes	Na	Na	Na
71.	Dr. Nagaraja.K.C	Ph.D-2021	No	Na	Yes	Na	Na	Na
72.	Dr. Santosh Kumar Malyala	Ph.D-2019	Ph.D	2020-21	Yes	Na	Na	Na
73.	Dr. Devarajaiah R.M.	Ph.D-2016	Ph.D	2016-17	Yes	Naveen Kumar S N	2019	Processing And Characterization Of Functionally Graded Aluminium Composites

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74.	Dr. Devarajaiah R.M.	Ph.D-2016	Ph.D	2016-17	Yes	Vijaykumar Pujar	2017	Investigations Into Adhesive And Abrasive Wear Modes Of Synthetic Fiber Reinforced Polymer Composite With Ceramic And Lubricating Fillers
75.	Dr. Kavyashree.D	Ph.D-2018	Ph.D	2019-20	Yes	Na	Na	Na
76.	Dr. Vasanthakumar M S	Ph.D-2016	Ph.D	2018-19	Yes	Na	Na	Na
77.	Dr. Mahesh S S	Phd-2011	Ph.D	2012-13	Yes	Mallikarjuna K S	2013-14	Micro Structural Parameters And Stacking Faults Of Water-Soluble Polymer Blends With Inorganic Salts Using Whole Pattern Fitting Method
78.	Dr. Mahesh S S	Phd-2011	Ph.D	2012-13	Yes	Mohammed Irfan	2014-15	Effect Of Dopants On The Optical & Electrical Properties Of Polyvinyl Alcohol

								(Pva) Based Polymer Electrolytes"
79.	Dr. Mahesh S S	Phd-2011	Ph.D	2012-13	Yes	Razikhabanus	2015-16	Charterisation Of Nanoparticles For Sensing Applications
80.	Dr. Mahesh S S	Phd-2011	Ph.D	2012-13	Yes	Shilpa J	2020-21	Studies On Optical And Electrical Properties Of Water Soluble Polymer By Addition Of Dopants And Metal Oxide Nanoparticles
81.	Dr.Ramesh Hegde	Phd-2015	Ph.D	2016-17	Yes	K Uma	2018-19	A Cloud System Security Framework



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Details of Research Guide and Scholar Year 2022-23

SL.No.	Name of full time teacher with Ph.D.-D.M-M.Ch.-D.N.B Superspeciality-D.Sc.-D'Lit.	Qualification (Ph.D.-D.M-M.Ch.-D.N.B Superspeciality-D.Sc.-D'Lit.) and Year of obtaining	Whether recognised as research Guide for Ph.D.-D.M-M.Ch.-D.N.B Superspeciality-D.Sc.-D'Lit.	Year of Recognition as Research Guide	Is the teacher still serving the institution-If not last year of the service of Faculty to the Institution	Name of the scholar	Year of registration of the scholar	Title of the thesis for scholar
1.	Dr. Sarat Kumar Maharana	Ph.D- 2000	Yes	2010	Yes	Bhusan J K	2022	Aerodynamic design and optimization of a horizontal axis small wind turbine rotor blade
2.	Dr. Venugpal MM	Ph.D -2020	No	NA	Yes	NIL	NA	NA
3.	Dr.Swetha S	Ph.D -2022	NO	NA	Yes	NIL	NA	NA

4.	Dr. Prashanth KP	Ph.D-2019	Yes	2021	Yes	NIL	NA	NA
5.	Dr. Yvaraj L	Ph.D-2020	No	NA	Yes	NIL	NA	NA
6.	Dr. Vijayashekhar S. Sankannavar	Ph.D -2022	NO	NA	Yes	NIL	NA	NA
7.	Dr. Suneetha T. B	Ph.D-2013	Yes	2021	Yes	NIL	NA	NA
8.	Dr. Ismail Shareef M	Ph.D-2014	Yes	2016	Yes	1 Mrs. Akshatha G Atreya	2016	Synthesis and characterization of nanomaterials for tracking multi drug resistance from clinical isolates
					Yes	2. Ms. Amulya G	2016	Synthesis and characterization and anticancer activity of tin dioxide and aluminium oxide nano



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								particles
9.	Dr. Shilpa Sivashankar	Ph.D-2012	NO	NA	Yes	NIL	NA	NA
10.	Dr. Ashalatha	Ph.D-2019	NO	NA	Yes	NIL	NA	NA
11.	Dr. Thriveni.V	Ph.D-2019	NO	NA	Yes	NIL	NA	NA
12.	Dr. Harish M.N.K	Ph.D-2009	YES	2014	Yes	1. Shwetha.R	2015	Surface modification and photosensitization of metal oxide nanostructures for photochemical treatment of waste water
						2.Poornim a.G S	2015	Mechanochemical Route for the synthesis of stable organic and inorganic Hybrid

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								materials for the efficient removal of pollutants from water
						3. Satish K	2015	Natural products and their derivatives functionalized nanomaterials for biomedical applications
13.	Dr. MuthuKumar C	Ph.D-2012	NO	NA	Yes	NIL	NA	NA
14.	Dr.Madhukar Naik M	Ph.D-2020	NO	2022	Yes	NIL	NA	NA
15.	Dr.Brungesh KV	Ph.D-2019	NO	NA	Yes	NIL	NA	NA
16.	Dr.Satish k	Ph.D-2023	NO	NA	Yes	NIL	NA	NA
17.	Dr. Shwetha R	Ph.D-2023	NO	NA	Yes	NIL	NA	NA
18.	Dr. Ajith Padyana	Ph.D -2016	Yes	No	Yes	NIL	NA	NA

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19.	Dr. Shashidhar T M	Ph.D-2021	NO	NA	Yes	NIL	NA	NA
20.	Dr. Sumanth V	Ph.D-2021	NO	NA	No	NIL	NA	NA
21.	Dr. Sasi Kumar M	Ph.D-2015	NO	NA	No	NIL	NA	NA
22.	Dr. Rajeswari	Ph.D-2014	yes	2015	yes	1. Sandeep Kumar K	2015	1. Computer Vision for automatic weed detection & herbicide spraying control in horticulture plantation.
						2. VeenaSana th Kumar	2016	2. Efficient VLSI Architecture for ray tracing.
						3. Sumalatha S	2015	3. Design & Implementation of High Performance Micro Architecture for video Codec

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						4. Pranita N P	2019	4. Robust speaker recognition under limited data condition.
23.	Dr. B M Sujatha	Ph.D -2017	yes	2019	yes	1.Mrs. Kalpavi C Y	2021	1.Leech Protocol for wireless sensor network using Deep learning Approaches
						2.Kiran Kumar Kommu	2021	2.Development of Smart Artificial Intelligence System for Clinically Proven Intervention for Improving the Health Coditions
						3.Madhu H M	2021	3.Cancer Detectotion and Gene identification using Deep learning Approaches
24.	Mrs Jayalakshmi H	Ph.D-2019	NO	NA	yes	NIL	NA	NA
25.	Dr. C N Asha	Ph.D -2018	NO	NA	yes	NIL	NA	NA

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26.	Dr. Lakshmikanth S	Ph.D-2015	Yes	2017	Yes	1. Jeevith S H	2017	1. Design & Development of efficient architecture for moving object detection & tracking in videos
						2. Mohamed Najmus Saqhib	2018	2. An optimized hybrid channel route discovery process for wireless sensor networks.
						3. Mr. Lakshmikanth Reddy	2019	3. Design of MEMS sensor to detect contaminants in automobile LPG using COMSOL Multiphysics
						4. Siddesh B M	2021	4. COVID-19 prediction and classification with deep convolution network and handcrafted features based hybrid approach on X-ray and

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								CT-Images
27.	Dr. D. Ganesh Rao	Ph.D-1996	NO	NA	Yes	NIL	NA	NA
28.	Dr. Krupaprasad K R	Ph.D-2023	NO	NA	Yes	NIL	NA	NA
29.	Dr.A.B. Nataraju	Ph.D-2022	NO	NA	Yes	NIL	NA	NA
30.	Dr. R.Prakash	Ph.D-2011	Yes	2012	Yes	1.Sunil Kumar A.V	2017	Location and rating of FACTS controllers
31.	Dr. Lekshmi.M	Ph.D-2020	NO	NA	No	NIL	NA	NA
32.	Dr. Kusumadevi G H	Ph.D-2018	Yes	2019	Yes	Mr.Kubera U	2021	Gridable EV Aggrigator Placement in Distribution Network to improve Voltage Profile and Reduce Losses.
33.	Dr Shivakumara swamy R	Ph.D-2020	Yes	2021	YES	Mr.Shiva Kumar K	2021	Optimal Energy Management in Distribution System for

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						S		Electric vehicle Charging using Novel Method.
34.	Dr. Umapathi G R	Ph.D-2023	NO	NA	Yes	NIL	NA	NA
35.	Dr. Rajanna K R	Ph.D-2011	Yes	2012	Yes	1.Narendra R	2016	An Elucidative Study in The Field of Theta Functions and Modular Equations and Their Applications.
						2.Dechamma	2017	Some Problems in Graph Colouring and Graph Structures
36.	Dr. T Rami Redy	Ph.D-2014	Yes	2015	Yes	NA	NA	NA
37.	Dr. Niranjn C M	Ph.D-2021	No	NA	Yes	NA	NA	NA
38.	Dr.Nijaguna G	Ph.D -2021	YES	2011	Yes	1.Mr.Kishen Patil	2021	A study on Effect of Green Marketing on Consumers Purchasing in Retail sector and its

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								sustainability
						2.Mrs.Ram ya	2021	A study on Human Resource Information System across Supply chain management in an Automobile industry
						3.Mr.Shiva sharana	2015	Developing an outsourcing model in logistics and supply chain management in an Indian Automobile industry
39.	Dr.Renuka Devi	Ph.D-2017	Yes	2020	Yes	NIL	NA	NA
40.	Dr.Juin Choudhury	Ph.D-2004	Yes	2018	Yes	NIL	NA	NA
41.	Dr.Mahak Balani	Ph.D-2022	No	NA	Yes	NIL	NA	NA
42.	Dr. Attel Manjunath	Ph.D-2019	No	NA	Yes	NIL	NA	NA

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43.	Dr. Prakash S Dabeer	Ph.D.-2012	Yes	2019	Yes	NIL	NA	NA
44.	Dr. Manjunath B	Ph.D.-2019	No	NA	Yes	NIL	NA	NA
45.	Dr.Sanman S	Ph.D-2019	No	NA	Yes	NIL	NA	NA
46.	Dr. Santosh Kumar Malyala	Ph.D.-2019	yes	2021	Yes	NIL	NA	NA
47.	Dr. Pakkirappa H	Ph.D.-2021	No	NA	Yes	NIL	NA	NA
48.	Dr. R. Shadakshari	Ph.D-2020	No	NA	Yes	NIL	NA	NA
49.	Dr. Nagaraja K C	Ph.D.-2021	No	NA	Yes	NIL	NA	NA
50.	Dr. Devarajaiah R M	Ph. D-2016	Yes	2017	Yes	1. Mr. Naveen Kumar S N	2018	1.Processing and characterization of functionally graded light weight composite
						2. Mr Vijaykuma	2019	2.POLYMER MATRIX COMPOSITE

						r Pujar		MATERIAL
51.	Dr. Rajath Hegde	Ph.D-2014	No	NA	Yes	NIL	NA	NA
52.	Dr. KavyashreeD	Ph.D-2018	YES	2019	YES	NA	NA	NA
53.	Dr. Mahesha S S	Ph.D-2011	Yes	2011	Yes	1. MALLIK ARJUNA K.S.	2013	Micro structural Parameters and Stacking Faults of water soluble polymer Blends with inorganic salts using Whole pattern fitting Method.
						2. Mr. Mohammed Irfan	2014	Effect of Dopants on the Optical & Electrical properties of Polyvinyl alcohol (PVA) based Polymer Electrolytes
						3. Razikha Banu S	2015	Fabrication and characterization of Dye Sensitized Solar Cells
						4. Shilpa J	2021	Studies on optical and electrical properties of water-soluble polymer by addition of dopants



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								and metal oxide nanoparticles
54.	Dr. Vasanth Kumar M S	Ph.D-2016	Yes	2017	Yes	NA	NA	NA
55.	Dr. Ashok Kumar Satapathy	Ph.D-2022	NO	NA	Yes	NA	NA	NA
56.	Dr.Dileep M S	Ph.D-2021	NO	NA	No	NA	NA	NA
57.	Dr. Ramesh Hegde	Ph.D-2015	YES	2016	YES	1. JAGADEE SHA B G	2017	Study and analysis of agriculture crop diseases using image processing techniques in the Shivamogga district of Karnataka state.
						2. K. UMA	2019	A Cloud system security framework
58.	Dr. R Anand	Ph.D-2015	NO	NA	No	NA	NA	NA

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(AE, BT, CSE, ECE, ME, MT)



VTU- Research Center Details

List of PhD Awardee

List of PhD Awardee

Year 2019-20

Sl. No	Guide Name	Scholar Name	Department
1	Dr Mahesha K	Mr. Madhusudhan M.	Mechanical Engineering
2	Dr Mahesha K	Mr. H. Pakkappa	Mechanical Engineering
3	Dr Mahesha K	Mr. Sachidananda K.B.	Mechanical Engineering
4	Dr. A.S. Ravindran	Mr. Seetharamaiah R.	Mechanical Engineering
5	Dr. H. B. Niranjana	Mr. Shadakshari R.	Mechanical Engineering
6	Dr. G.N.K Suresh Babu	Mr. Naveen M	Computer Science & Engg.
7	Dr Prakash B Yaragol	Mr. Sagar Patil	MBA

Year 2020-21

Sl. No	Guide Name	Scholar Name	Department
1	Dr Somashekhar G	Mr. Bhavya K	Maths
2	Dr. Pradeep Kumar	Mr. Sharath B R	Maths
3	Dr M H Annaiah	Mr. Karthik Raj K V	Mechanical Engineering
4	Dr C N Chandrappa	Mrs. Pavan Tejaswi	Mechanical Engineering
5	Dr. S M Gopinath	Amar Shankar	Bio Technology
6	G Ramanaiah	Mrs Poornima	MBA

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Year 2021-22



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Sl. No	Guide Name	Scholar Name	Department
1	Dr. Sharath Kumar Maharana	Ms. Deepa M S	Aeronautical Engg.
2	Dr. Nagaveni.	Mrs. Ashwini	Computer Science & Engg.
3	Dr Somashekhar G	Mr. Girish Babu S	Maths
4	Dr. T. Ramireddy	Mr.Shashikumar H C	Maths
5	Dr Mahesha K	Mrs. Shilpa C	Mechanical Engineering
6	Dr. Indrani Pramod Kelkar	Mrs. Kavitha. B. N (IMPT)	Maths
7	Dr Somashekhar G	Nallaparaju Pavani	Maths
8	Dr. Rajeswari	Kruthika	ECE
9	Dr. R. Prakash	Mrs. Radhika Priyadarshinia	EEE

Year 2022-23

Sl. No	Guide Name	Scholar Name	Department
1	Dr C N Chandrappa	Mr. Bhargav Gangadhara	Mechanical Engineering
2	Dr Prakash R	Mrs. Swetha G	EEE
3	Dr M H Annaiah	Mr. Yathiraj K	Mechanical Engineering
4	Dr. Harish M N K	Mrs. Poornima G S	Che
5	Dr. Rajanna.K. R	Mr. Narendra. R	Maths
6	Dr.H. S. Aravinda	Mr. Shiva Panchakshari T G	ECE
7	Dr Harish M N K	Dr. Satish K	Chemistry
8	Dr Harish M N K	Dr. Shwetha R	Chemistry
9	Dr H D Maheshappa	Mr. Krupa Prasad K.R.	ECE
10	Dr. Ismail Shareef	Mrs. Amulya G	Bio Technology
11	Dr. Ismail Shareef	Mrs. Akshata G Athreya	Bio Technology
12	Dr. Sarat Kumar Maharana	Mr. Supreeth	Aeronautical Engg.

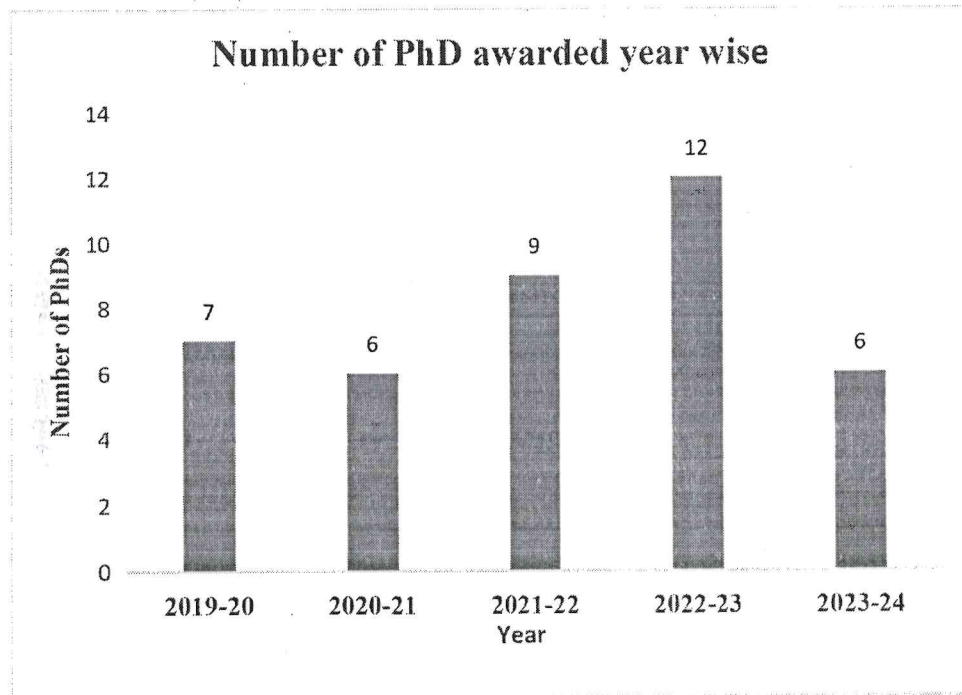
Year 2023-24


Sl. No	Guide Name	Scholar Name	Department
1	Dr. Nijaguna	Mr. Shivasharana	MBA


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2	Dr. G. Ramanaiah	Ms.Monica M	MBA
3	Dr. Prakash	Mr. K R S Sharma	MBA
4	Dr. Jagan Mohan Reddy	Mr. Moole Praveen Kumar Reddy	Bio Technology
5	Dr Prakash R	Mrs. Sunitha N S	EEE
6	Dr. Shivakumar Aradhya R.S.	Nagesh H	EEE

Number of PhD awarded year wise




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SKILL LABORATORIES

- **Texas Instruments Innovation Lab-** TI Boards and Accessories, Computers for skill development in the area of IOT and Embedded Systems.
- **Cadence- VLSI Lab** Cadence Software and Vivado design suite and SDSOC-25 users for skill development in the area of VLSI.
- **CAD Lab/3D Printing** - Training on Auto CAD, Staad pro connect and E-TABS
- **C- DAC IoT Lab-** Building real time IOT application and to work with Capstone Projects
- **ABB-Robotics Lab-** Programming industrial robot for various applications
- **PLC and SCADA Lab-** Ladder logic programming for automation
- **Virtual Instrumentation Lab-** Programming of MYRIO kit for real time applications
- **Tentalizer - Flight simulation Lab** - Simulate concepts of flight mechanics (Control systems, aircraft performance, aircraft stability and control)
- **Plant Tissue Lab-** Student to acquire the skills needed for sub-culturing in a pathogen under free environment, sterile conditions and to derive the observations.
- **Mahindra & Mahindra-** Students to work with the engines and to analyse the necessary modifications for improving the efficiency
- **Material Science Lab-** To relate properties to microstructure, to study various crystal structures and their relationship to properties, with an objective of proposing the metals and alloys for industrial applications.
- **CNC Lab** Students to understand the basic concepts of computer numerical control (CNC) machine tool, machining methods and CNC programming.

SOFT SKILL COLLABORATION

Softskills, Leadership, Entrepreneurial Skill development Collaborations

- BoardInfinity
- Bizotic Operations
- United Nations development Programme(UNDP) in collaboration with SAP
- Labs India and Seventh Sense People Development Solutions Pvt Ltd
- Innovations Unlimited
- Coursera for Campus


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Tantalizer - Flight simulation Lab



Texas Instruments Innovation Lab & Cadence Lab



ABB-Robotics Lab

N. Cyrella

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CNC Lab



3D- Printing lab



C-DAC UoT lab

S. Srinivas
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Plant Tissue lab

Sarvepalli

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Texas Instrument Lab



Photographs of TI Lab



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Photographs during the session in Lab



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Objective

- Knowledge Enhancement
- Up-skilling
- Encourage Thinking In the field of Embedded system and IOT using TI Boards, IOT Boards and Accessories.

Activities Conducted

The objectives specified have been delivered to the students through the following activities-

- Summer and Winter Schools in collaboration with Industry
- Random Hacks of Kindness (RHoK)
- Value Added Programs of 30 Hrs each
- In-house Internships
- Workshops, Design Contests.
- Students mini and major projects

Contents Delivered

1. Tools overview –Latest version of Code Composer Studio and other required softwares.
2. Interfacing sensors and actuators to TIVA C series boards, IOT boards
3. Initialization and Configuration of data transfer using UART and SPI.
4. Creating (IoT) applications using TIVA C Series board, IOT boards

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5. Demonstration of Crypto Connected Launch Pad, Wireless Micro Controller Unit and Solar energy harvesting development tool.

6. Multimedia applications using the development boards

Outcomes

1. Publications

2. Contests

3. Internships

4. Mini and Major Projects,

5. Hackathon

Major equipment's available

- Texas Instruments MSP5529 launch pad
- MSP430F5529 USB experimenter boards
- Tiva C sensor hub booster pack
- CC110Rf booster pack
- Grove starter kit for embedded system development
- MSP EXP 430 FR4133 development boards
- MSP 430 solar energy harvesting development tool


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- Robotics system learning kit
- CC3100 WiFi booster pack
- EK-TM4C129EXL crypto connected launchpad software packages

The contents taught within the syllabus through Skill Lab

- Embedded C programming
- Python programming

The content taught beyond the regular class work

- Embedded system design using Texas Instruments MSP 430 based Microcontroller development boards.
- Internet of things applications and use cases using TI development boards.


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<https://ait.ac.in> Ph.: 080 22555555

Fwd: TI Board details

1 message

HOD ECE <hod-ece@acharya.ac.in>

Sat, Sep 28, 2024 at 12:55 PM

To: "Mr. Devasis Pradhan (ECE)" <devasispradhan@acharya.ac.in>

With Regards



Head of the Department
Department of Electronics & Communication Engineering,
Acharya Institute of Technology
Acharya Dr. Sarvepalli Radhakrishnan Road, Bengaluru,
India
Ph: +91 080 22 555 555 Extn:2160
www.acharya.ac.in

----- Forwarded message -----

From: Nataraju A B (Gmail) <nataraju.ab@gmail.com>

Date: Tue, Feb 12, 2019 at 2:45 PM


Subject: TI Board details

To: Iqbal Ahmed <iqbalahmed@acharya.ac.in>, Ms. Rajeswari <rajeswari@acharya.ac.in>, hod ece <hod-ece@acharya.ac.in>

Sir,

PFA, the boards received from DST.

S.NO.	Name or Description of the kit	Quantity	Tested or NOT
01	MSPEXP430F5529LP	10	RECEIVED, TESTED – OK
02	MSPEXP430G2	10	RECEIVED, TESTED – OK
03	Educational Booster Pack MKII	03	RECEIVED, TESTED – OK
04	Simple Link Wifi CC3100 Booster	10	RECEIVED, TESTED – OK
05	MSP430F5529 USB Experimental Kit	01	RECEIVED, TESTED – OK
06	Sensor Hub Booster Pack for TIVA C	03	RECEIVED, TESTED – OK
07	TIVA C Series EK-TM4C123GXL	08	RECEIVED, TESTED – OK
08	TM4C129E Crypto Connected Launch Pad for IoT	04	RECEIVED, TO BE TESTED
09	Simple Link Bluetooth Low Energy CC2640R2F	04	RECEIVED, TO BE TESTED
10	CC110L RF Booster Packs	09	RECEIVED, TO BE TESTED
11	Grove Starter Kit	03	RECEIVED, TESTED – OK
12	CC3220SF – LAUNCHXL	04	RECEIVED, TO BE TESTED
13	Launchxl-CC1310	04	RECEIVED, TO BE TESTED
14	MSPEXP430FR4133	05	RECEIVED, TO BE TESTED
15	MSPEXP430FR6989	04	RECEIVED, TO BE TESTED
16	RSLK-Robotic Systems Learning Lab Kit	05	RECEIVED, TO BE TESTED
17	MSP430 Solar Energy Harvesting Development Kit	02	RECEIVED, TO BE TESTED


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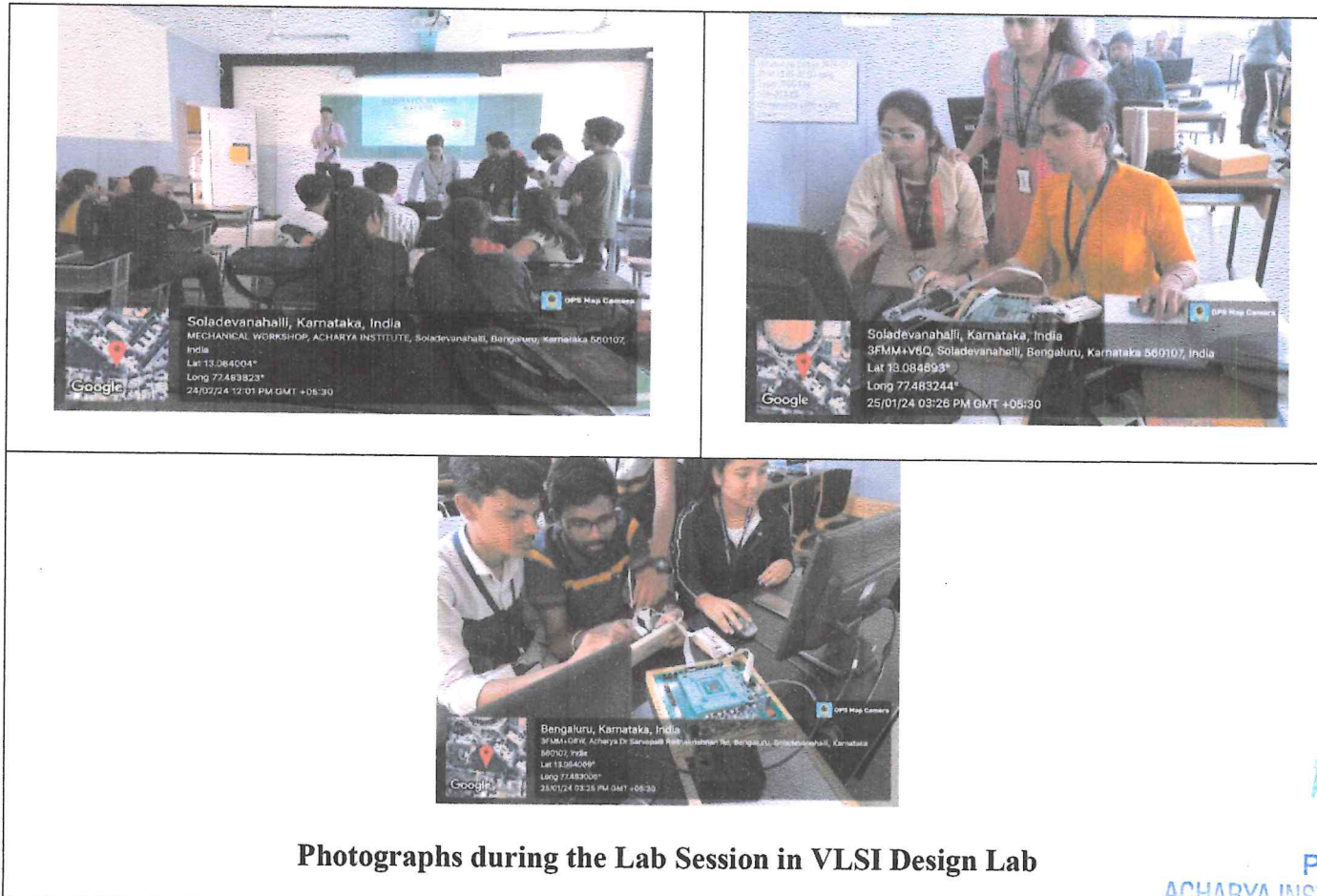


Thanks,
Nataraju A.B.


 Acknowledgement letter - Acharya.docx
14K


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VLSI Design Lab- Candece Software & Vivado Design



Photographs during the Lab Session in VLSI Design Lab


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Cadence is an Electronic Design Automation (EDA) environment that integrates several design tools in a single design suite. Cadence Custom IC Design Environment supports entire flow from chip design to advanced packaging creation to board layout. Cadence tools are used to design CMOS integrated circuits using TSMC design kit through schematic entry, layout, simulation, post layout simulation and layout versus schematics.

Aims at designing and simulating different microelectronic building blocks that can be reused during the entire application model. The major goal is to give students hands-on experience with Cadence tools in order to simulate the development of cutting-edge technologies and methodologies for developing design excellence in the field of microelectronic system verification, design, and implementation, Advanced verification methodology, Analog mixed-signal design methodology, Design for test, Digital implementation, System-level design, Low-power methodology, RF design methodology, IP design, integration, and validation are all supported by the Cadence tool.

Objectives

- Knowledge enhancement in IC Design Flow using Cadence Tools.
- Upskilling in designing CMOS integrated circuits using TSMC design kit through various design process involved in design flow.

Activities conducted

- Summer and Winter schools in FPGA based Digital System Design, Memory Design using Verilog HDL, Digital IC design using Cadence tools in Collaboration with Industries.
- Value added programs, Workshops, Mini and Major projects in VLSI domain.
- The objectives specified have been delivered to the students through the following activities-


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- In-house Internships

Contents delivered

- RTL Coding for Digital circuits and FPGA Implementation
- Memory Design, Modelling Memories and its Verification
- Design and Verification of building blocks using Cadence tools

Outcomes

- Paper Publications
- Student's presentation
- Digital and Analog IC design contest
- Hackathons



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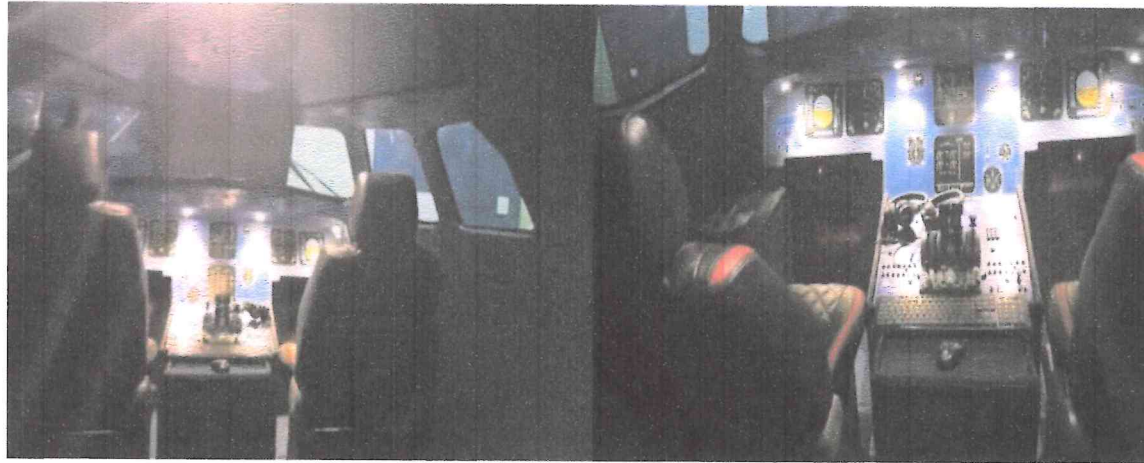
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Flight Simulation Lab




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Photographs of Flight Simulation Lab

About the Lab:

In the realm of aviation education and training, flight simulator laboratories stand as invaluable tools that bridge the gap between theoretical knowledge and practical experience. These labs serve as dynamic environments where students can immerse themselves in the intricacies of flight, mastering the art of piloting aircraft in a controlled and simulated setting. With advancements in technology and simulation capabilities, flight simulator lab has evolved into sophisticated platforms capable of replicating real-world scenarios with remarkable fidelity.

The journey through the skies begins with a fundamental understanding of the principles of flight. From the aerodynamic forces that lift an aircraft into the air to the complex systems that govern its navigation and control, aviation enthusiasts are captivated by the intricacies of flight. However, grasping these concepts in a classroom setting only scratches the surface of aviation education. Flight simulator lab offer a transformative experience, allowing individual student to apply theoretical knowledge in a hands-on environment, where mistakes can be made and lessons learned without real-world consequences.

Sarvepalli Radhakrishnan
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The advent of virtual reality (VR) technology has further expanded the capabilities of flight simulator lab, offering a level of immersion and realism previously unimaginable. In addition to the training application, flight simulator lab also serves as research platforms for aerospace engineers.

Preamble: Flight Simulator Lab, where the boundaries between imagination and reality blur as you step into the captivating world of aviation. Our lab is designed to provide you with an immersive experience that bridges theoretical knowledge with practical application, offering the opportunity to explore the intricacies of flight in a controlled and dynamic environment. At the Flight Simulator Lab, our mission is to cultivate a deeper understanding of aviation principles, enhance pilot training, and foster a passion for aeronautics among students and enthusiasts alike. Through hands-on simulation exercises, we aim to instil confidence, proficiency, and safety consciousness in aspiring pilots and aviation enthusiasts.

Facilities: Our state-of-the-art flight simulator lab is equipped with cutting-edge technology and software, offering a range of simulation options to suit different learning objectives and skill levels. Our facilities include:

- High-fidelity flight simulator with realistic cockpit controls & visuals systems.
- Digital displays providing realistic views of virtual landscapes and airspace.
- Monitoring and controlling simulation parameters, providing guidance, and debriefing participants.
- Dedicated briefing and debriefing areas equipped with audio-visual tools for reviewing flight performances and discussing learning outcomes.

Objectives:

1. **Training:** Provide a realistic and safe environment for pilot training, allowing students to practice and develop their flying skills in various scenarios without the risks associated with actual flight.
2. **Skill Development:** Enable students to develop and improve their proficiency in flight manoeuvres, procedures, and emergency responses through hands-on experience in a simulated cockpit environment.

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3. **Systems Understanding:** Facilitate understanding of aircraft systems, instrumentation, and avionics by allowing students to interact with simulated controls, displays, and systems in a controlled setting.
4. **Procedural Training:** Reinforce proper procedures for pre-flight checks, take-off, landing, navigation, and in-flight operations through repetitive practice and scenario-based training exercises.
5. **Decision-Making Skills:** Develop students' decision-making abilities by presenting them with challenging scenarios and requiring them to make informed judgments and prioritize actions based on situational awareness and flight safety considerations.

Specifications:

Real data Simulator bearing code variant TA-SET-02-13.

The product consists of body of an Airbus a320 up to cockpit level which is manufactured by Tantalizers' Alter Space. Air frame made up of Mild Steel equipped with 2 pilot seats, front panel, pedestal, Overhead panel, computer system and wooden flooring. The windows of hard clear acrylic.

Body Dimensions:

Maximum outer diameter = 12.1 ft

Total Length = 9.01 ft (from random tip to cockpit door)

Maximum height = 8 ft

Computer System Equipment's: (OS: Windows, i5 Processor).

- Monitor (32"), CPU, Keyboard and mouse, USB hub bar
- Graphics processing units (GPUs) optimized for rendering complex 3D graphics.
- 32GB (RAM) and storage space to handle large simulation databases and scenarios.
- High-definition monitors or projectors with wide viewing angles to provide a realistic visual environment.

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Plant Tissue Lab



Photographs of Plant Tissue Lab

N. Cyrella
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Objectives-

- Development of the plant tissue culturing abilities of the students and faculties
- Utilization of the plant tissue culture lab for conduction of student project and faculties research

About lab-

A tissue culture laboratory is a building where little plants (callus) are grown in a climate chamber or growth chamber for research, breeding or multiplication. The climate or growth chambers in the laboratory are situated in a hygienically sealed building. There is no influence of the weather or the day and night light pattern, which provides a lot of freedom for the breeding of the plants by the research organisation. The high sterility must be maintained in order to artificially breed the explants of choice. Every small new plant is vulnerable and if classic methods do not work or contain risks (like sowing or slipping plants), tissue culturing in a climate chamber will be a good solution.

The laboratory is 242 sq ft size and is well ventilated. The lighting in the room is maintained. The AC is placed in the room to control the temperature which is required. Electricity back-up is provided in the room.

Equipment-

Tissue culture racks	PO-1, 3, 4,5, 6, 7, 8, 12
Laminar air flow chamber	PO-1, 3, 4,5, 6, 7, 8, 12

The lab houses equipment such as tissue culture racks and the laminar air flow chamber to perform the activities of optimization and cultivation of explants.


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Outcomes-

- Gaining the knowledge and experience in climate and growth chambers maintained for the explant cultivation
- Preparing the explants and appropriate storage conditions

Events conducted-

Kisan Divas (23.12.2023)	-Preparation of the explants for extracting fermentation products	PO-1, 3, 5, 6, 7, 8, 9, 10, 12
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