

Dr. MAHALINGAM

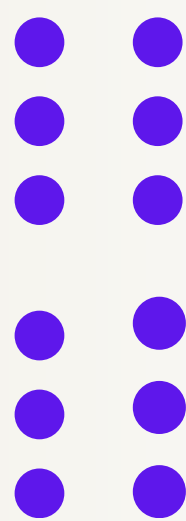


COLLEGE OF ENGINEERING AND TECHNOLOGY

Enlightening Technical Minds

R&I Newsletter

Vol.2.Iss.3



Office of Dean Research & Innovation

2024-25

DEC 2024- FEB 2025



Editors:

Dr.S.Ramakrishnan, Dean, R&I

Dr.B.Bala Vijaya Priya, AP(SS), S&H



Office of Dean Research & Innovation

Vision

To become a globally recognized hub of pioneering research and innovation, driving transformative advancements in engineering and technology for the betterment of society.

Mission

- 1. Foster research excellence and innovation, by identifying potential IPR, offering financial support for filing, facilitating revenue sharing from consultancy collaborations, and rewarding faculty through fair incentives.**
- 2. Strengthen research interest groups, empower the student research council, and publish the R&I newsletter to promote and celebrate achievements in the domain of research and innovation.**
- 3. Disseminate knowledge through the publication of research, knowledge-sharing sessions, seminars, faculty development programs, workshops, inter and intra-college technical symposiums, conferences, and open-house exhibitions.**
- 4. Offer state-of-the-art research facilities and resources to facilitate interdisciplinary research projects, secure research funding, conduct research with industry partners, and carry out Ph.D. works.**
- 5. Review Ph.D. scholars' progress, department R&I activities, ongoing externally funded projects, in-house R&D projects, and institute innovation council.**

CONTENTS

01

Strategic Discussion Meetings for Enhancing Research Activities:

1.Enhancing Research Excellence: Review and Guidance on Ph.D. Admissions

06

2. Incentive Norms Restructuring: Proposed Revisions and Guidelines

07

3. Strategic Discussion on External Grant Applications

14

4. Advancing Consultancy Impact: A Collaborative Discussion

17

5. Internal R&D Projects Review Session

18

CONTENTS

02

KNOWLEDGE
SHARING SESSIONS
CONDUCTED

19

03

ACTIVITIES
ORGANIZED THROUGH
RESEARCH INTEREST
GROUP

24

04

DETAILS OF
PATENTS GRANTED/
PUBLISHED/ FILED

30

05

RESEARCH
PUBLICATIONS

35

06

CONSULTANCY
ACTIVITIES CARRIED OUT

44

CONTENTS

07 CITATIONS

46

08 DETAILS OF Ph.D. SCHOLARS & SUPERVISORS

50

09 REVIEW MEETINGS - Ph.D. SCHOLARS

53

10 AWARDS & RECOGNITIONS

54

11 R&I INITIATIVES

66

1. Enhancing Research Excellence: Review and Guidance on Ph.D. Admissions

Dean R&I convened a pivotal meeting on **January 22, 2025**, bringing together faculty members who had both secured and missed admission to the Anna University Ph.D. program.

For successful candidates, discussions focused on:

- Streamlining their transition into the Ph.D. program
- Coursework requirements
- Research expectations
- Institutional support for a smooth academic journey

Faculty members who were not selected received

- Personalized feedback
- In-depth analysis of their application performance

**No. of selected
research Scholars:
08**



No. of research Scholars applied: 13

2. Incentive Norms Restructuring: Proposed Revisions and Guidelines

A presentation on the revision of incentive norms was held on **January 30, 2025**, to enhance research engagement and recognize faculty contributions more effectively. Dean R&I, along with the admin team and R&I coordinators, discussed proposed modifications aimed at making the incentive structure more transparent, equitable, and performance-driven.



2. Incentive Norms Restructuring: Proposed Revisions and Guidelines

A) Incentive Norms for Paper Publications

S.No.	Description	Standard Incentive	Enhanced Incentive
1.	Publications of Papers in Scopus Indexed Journals	Rs. 3,000/-	Rs. 6,000/-
2.	Publications of Papers in SCIE Indexed Journals	Rs. 5,000/-	Rs. 10,000/-
3.	Publications of Papers in Top 25 Percentile Journals (Q1)	Rs.7,500/-	Rs.15,000/-
4.	Faculty members who are currently working in MCET who published article with MCET affiliation are only eligible for incentive.		
5.	Revised incentive will be distributed from January 2025 onwards per Calendar Year.		
6.	A faculty member who published more than one paper in a calendar year will receive enhanced incentive as mentioned above. Those who published only one paper in a calendar year will receive standard incentive.		
7.	Author Positions eligible for incentives: <ul style="list-style-type: none"> • First 6 Author Positions for Q1 Journals • First 5 Author Positions for SCIE Journals • First 4 Author Positions for Scopus Journals Incentive amount mentioned per article will be equally distributed among Maximum of First Three MCET authors, of the above-mentioned positions of Journal articles.		

B) Incentive Norms for IPR

S.No.	Type of IPR	Description	Incentive Amount
1.	Granted Patent	1. Granted Patent with inventors and all from our institution 2. With financial support from our institution	Rs.15,000/-
		1. Granted Patent with inventors and all from our institution 2. Without any financial support from our institution	Rs.8,000/-
		Granted Patent with inventors limited to first 5 members (including members from other institutions)	Rs.6,000/-
2.	Granted Design	1. Granted Design with inventors and all from our institution 2. Without any financial support from our institution	Rs.1,000/-
		1. Granted Design with inventors and all from our institution 2. With financial support from our institution	
		Granted Design with inventors limited to first 5 members (including members from other institutions)	
3.	Registered Copyright	Applicant(s) and Author(s) should only be from "MCET"	Rs.1,000/-
4.	Registered Trademark	Registered Trademark should only be from "MCET"	Patent office Charges only

2. Incentive Norms Restructuring: Proposed Revisions and Guidelines

C) Norms for Sharing of Incentive for External Funded Projects

S.No.	Nature of External Fund	Range	Incentive Amount
1.	Research Funding (Proposals related to research only) (MODROBS, TNSCST projects, Seminar Grants etc., are not considered)	>50 Lakhs	Rs. 2,00,000/-
		>30-50 Lakhs	Rs. 1,00,000/-
		>20-30 Lakhs	Rs. 90,000/-
		>15-20 Lakhs	Rs. 80,000/-
		>10-15 Lakhs	Rs. 70,000/-
		>5-10 Lakhs	Rs. 50,000/-
		>3-5 Lakhs	Rs. 40,000/-
		2-3 Lakhs	Rs. 20,000/-
2.	The above incentives are to be shared as follows		
	Description		Percentage of Share
	Principal investigator & Faculty team members PI 40 %; Co-PI-30%; Other faculty team- 10%)		80%
	Department supporting staff involved in the project		15%
	If the department supporting staff not involved in project		10% to PI & 5% to Office
	MCET Office, Central Office and HR Office		5%
	50% of the incentives are to be distributed upon receiving first installment and the remaining 50% are to be issued after successful submission of Utilization Certificate.		

D) Norms for Sharing of Consultancy Revenue

Description		Percentage of Share
Net revenue received for consultancy	Institution resources are utilized	60:40 ratio 60% to institution, 40% as incentive
	Institution resources are not utilized	40:60 ratio 40% to institution, 60% as incentive
Norms for distribution of Incentive		
Description		Percentage of Share
Faculty team members handling the consultancy		75%
Department supporting staff involved in the consultancy work		15 %
MCET Office, Central Office and HR Office		10 %

2. Incentive Norms Restructuring: Proposed Revisions and Guidelines

E) Norms for Reimbursement of Registration Fee for Online Courses

Norms
Participation in online courses only through NPTEL, SWAYAM, COURSERA platforms are considered. Yearly claim per faculty for maximum for 2 courses is Rs 2,200/-
OD will be provided to attend selective online course exams. Maximum 2 days/faculty/year
Faculty members (Experience less than 5 years) are encouraged to complete modules under National Initiative for Technical Teachers Training through online mode. NITTT modules (8) incur totally Rs. 10,000 (Rs.2000 for one-time registration and Rs. 1000 for each module) for completion. Faculty members can claim 30% of total amount after first year of registration another 30% at the end of second year and remaining 40% at the end of third year. Faculty members passing the module in first attempt are eligible for claim.

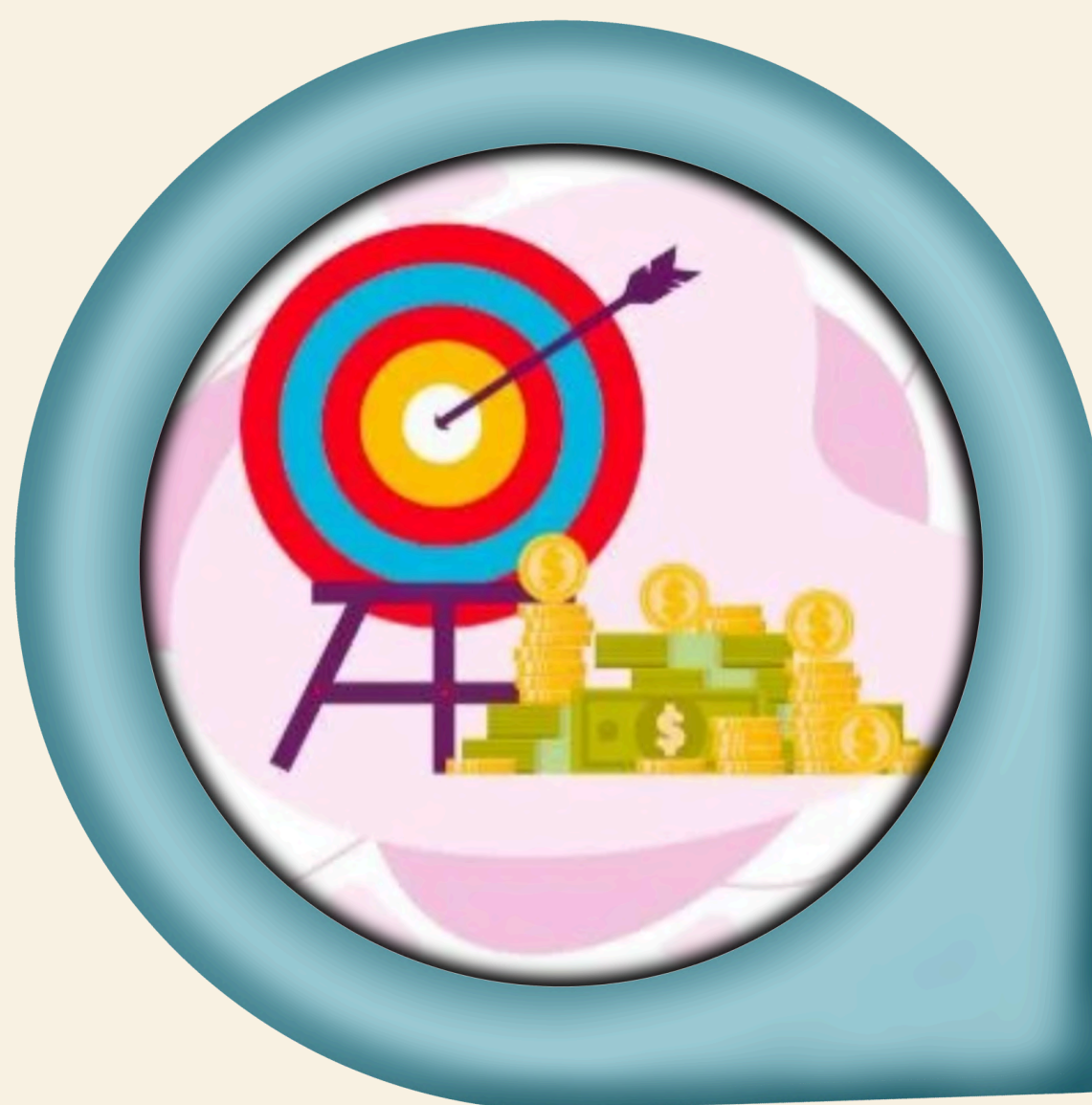


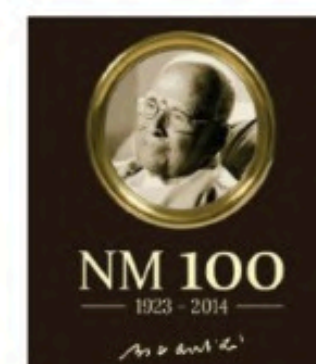
Illustration for Paper receiving Standard Incentive/Enhanced Incentive

S.No.	Category	Incentive receiving Author			Standard Incentive/ Enhanced Incentive
		1 st Author	2 nd Author	3 rd Author	
1.	Number of publications in a Calendar Year <i>(Publications jointly with other author(s), alone or same author(s))</i>	1+	1+	1+	Enhanced Incentive
2.		1+	1+	1	Standard Incentive
3.		1+	1	1+	Standard Incentive
4.		1	1+	1+	Standard Incentive
5.		1	1	1	Standard Incentive

2. Incentive Norms Restructuring: Proposed Revisions and Guidelines



Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Established in 1998 • An Autonomous Institution Since 2011
Pollachi, Coimbatore



OFFICE OF DEAN RESEARCH & INNOVATION

ENHANCED RESEARCH INCENTIVE

Journal Publications

Type of Journal	Enhanced Incentive	Author Position (Upto)
Q1	Rs. 15,000	6
SCIE	Rs. 10,000	5
Scopus	Rs. 6,000	4

Intellectual Property Rights

Type of IPR	Enhanced Incentive
Granted Patent	Rs. 15,000
Granted Design	Rs. 1,000
Copyright	Rs. 1,000

Funded Projects

Rs. 20,000 to
Rs. 2,00,000

Consultancy Projects

Revenue Sharing
60:40 Ratio & 40:60 Ratio

NPTEL & NITTTR

100 %
Reimbursement

**Grateful to the Management for Fueling Research Excellence
with Enhanced Research Incentives!**

2. Incentive Norms Restructuring: Proposed Revisions and Guidelines



Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Established in 1998 • An Autonomous Institution Since 2011
Pollachi, Coimbatore





RESEARCH CONTINGENCY GRANT

**Our Management is pleased to extend
financial support**

**Rs. 20,000 per Faculty
per Semester**

Upto 3 Lakh Per Department

**Opportunity to avail
Enhanced Incentive**

✓

**For SEM, TEM, XRD,
FTIR, TGA Analysis etc.,**

✓

**For Antenna
Fabrication & Testing**

✓

**For Cloud-based
Infrastructure Services**

✓

**Purchase of Research
Related Consumables**

OFFICE OF DEAN RESEARCH & INNOVATION

Our Management is pleased to sanction Research Contingency Grant Scheme to improve research output in various streams.

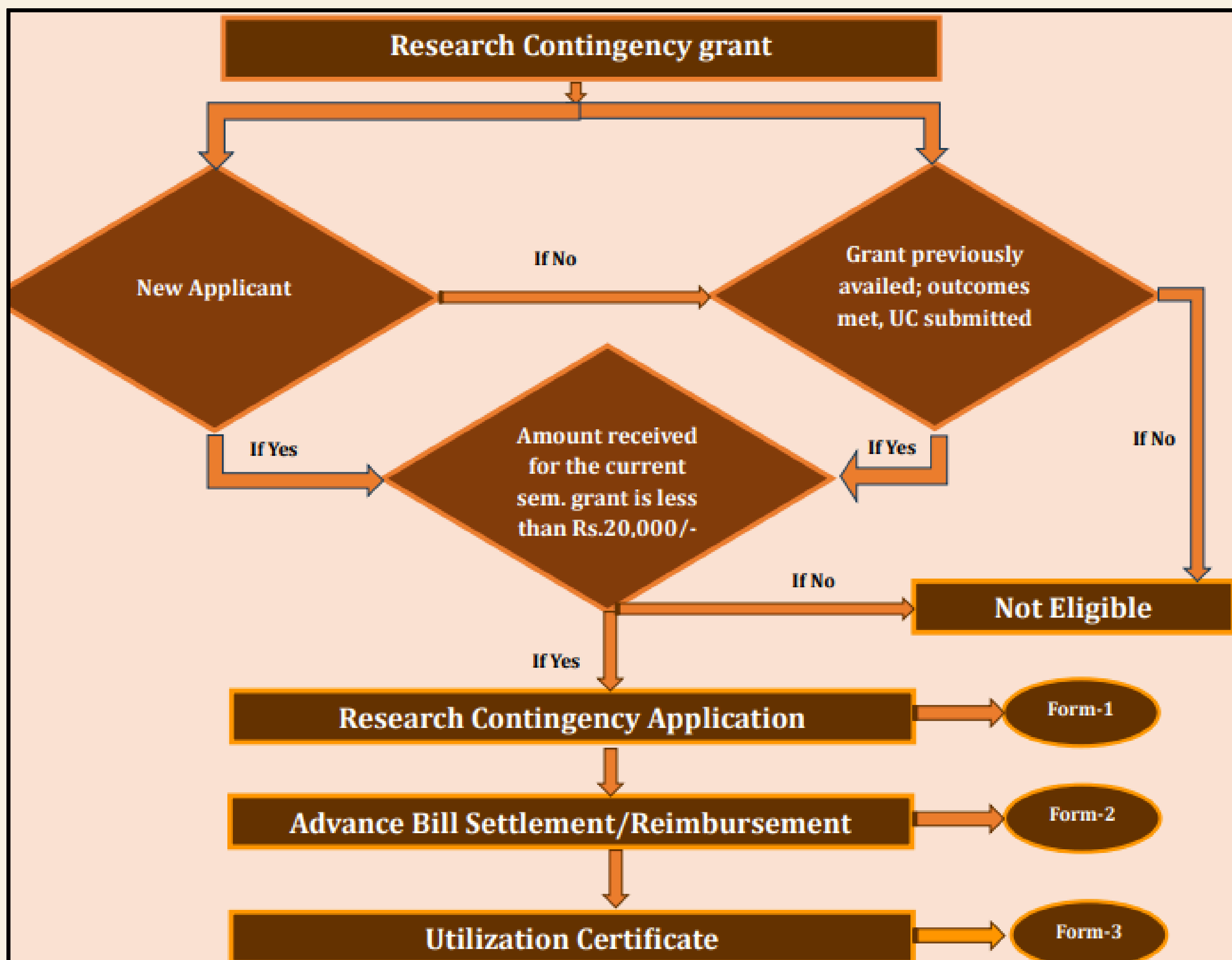
Proposal for Allocation of Research Contingency Grant:

A total of Rs. 15 lakhs is proposed for the financial year (FY), with allocations as follows:

- **Rs. 3 lakhs each for S&H and Mechanical Engineering**
- **Rs. 2 lakhs for Automobile Engineering**
- **Rs. 1 lakh for Civil Engineering**
- **Rs. 50,000 flat allocations for all other departments**

Research Contingency Grant

Research Contingency Grant Process Flow



For further information :

<https://drmcet.ac.in/research-downloads/>

Forms:

1. Research Contingency Grant Application Form
2. Research Contingency Advance bill Settlement / Reimbursement Form
3. Research Contingency Grant – Utilization Certificate

3. Strategic Discussion on External Grant Applications

Dr. S. Ramakrishnan, Dean R&I, led a strategic meeting on **February 12, 2025**, to enhance the institution's approach to external grant submissions. To enhance research and innovation activities, the Office of Dean Research and Innovation has initiated a focused effort on securing research grants from external funding agencies.

- Faculty members from each department have been identified to pre-prepare and submit project proposals to suitable funding schemes.
- The primary objective is to secure research grants and consistently maintain a minimum of two ongoing funded projects per department each year.
- Identified faculty members will align project proposals with their research expertise.
- All proposals will be reviewed by the research committee, preferably with the involvement of an external expert, before submission to funding agencies.



Number of faculty members identified per department :

Mechanical - 03, AI&DS - 01

Automobile - 03, CSE - 02

Civil-01, MCA - 01

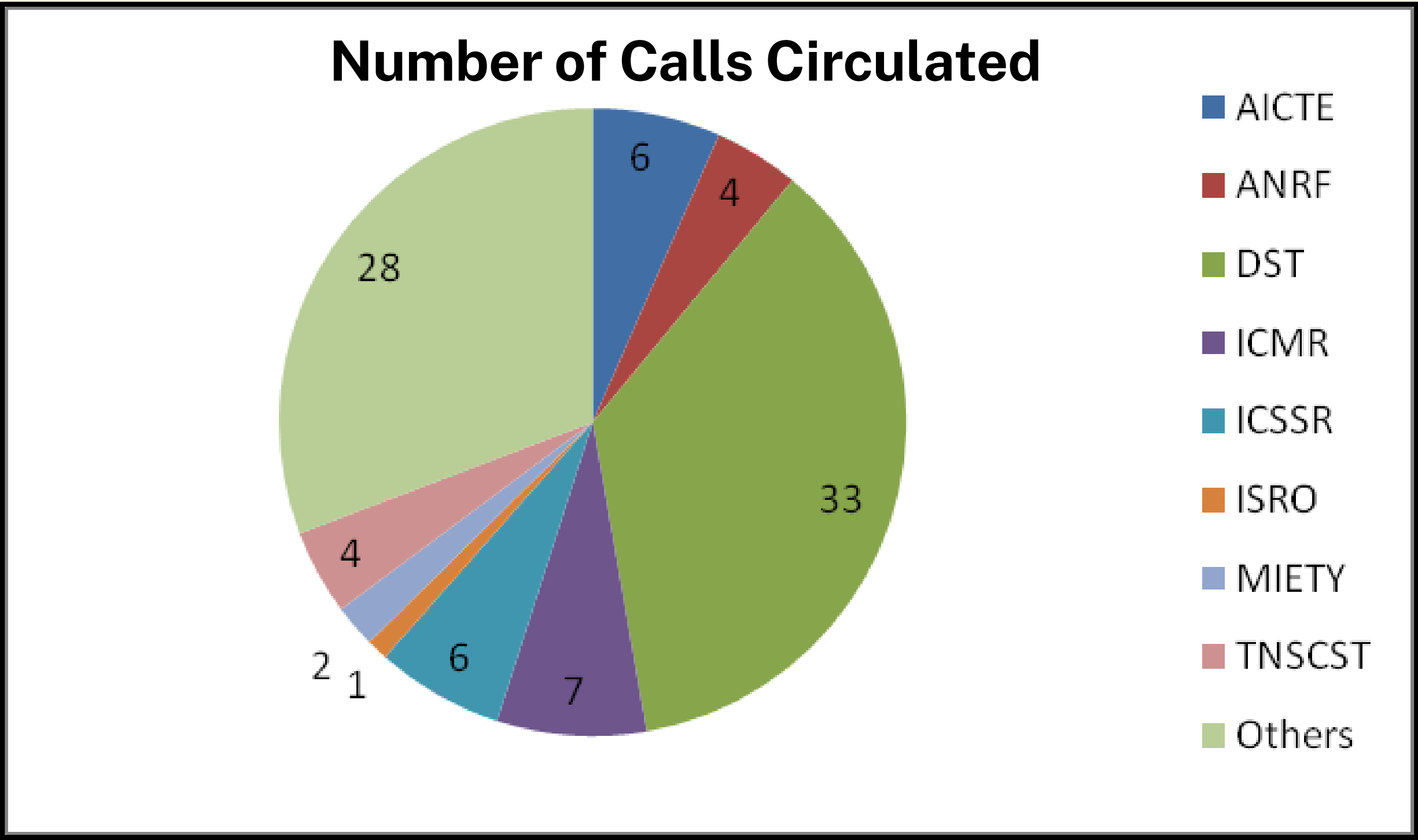
EEE - 02, IT - 02

ECE - 02, S&H - 07

3. Strategic Discussion on External Grant Applications

Total Number of Call For Proposals circulated: 03
Total Number calls disseminated/ assigned: 91

Agency	No. of Calls Circulated
AICTE	6
ANRF	4
DST	33
ICMR	7
ICSSR	6
ISRO	1
MIETY	2
TNSCST	4
Others (DOTE, National Commission for Women, HORIZON, HawkWatch International etc.,)	28



3. Strategic Discussion on External Grant Applications

Tentative Schedule:

Processes planned for Research grant proposal preparation and submission:

S.No.	Description / Activity	Schedule / Planned during
1	Preliminary discussion meeting	12 th Feb 2025
2	Submission of basic details pertaining to proposals (as per the attached template)	18 th Feb 2025
3	First draft pre-preparation of research grant proposal and submission to Office of Dean RI	First Week of March 2025
4	First review for research grant proposal (by External Expert)	First week of March 2025
5	Second draft proposal submission	Third week of March 2025
6	Second / Final Review for research grant proposal (by External Expert)	Fourth week of March 2025
7	Submission of final proposal to identified & suitable funding agency	First week of April 2025



4. Advancing Consultancy Impact: A Collaborative Discussion

Dr. S. Ramakrishnan, Dean R&I, led a comprehensive meeting on **February 13, 2025**, aimed at strengthening the institution's consultancy initiatives. The session focused on enhancing faculty involvement, streamlining processes, and expanding industry partnerships to maximize impact. Faculty members actively participated, sharing insights on challenges, potential growth areas, and ways to streamline consultancy operations.



The meeting ended with key action points, reaffirming the commitment to strengthening consultancy services and fostering meaningful partnerships between educational institutions and industry.

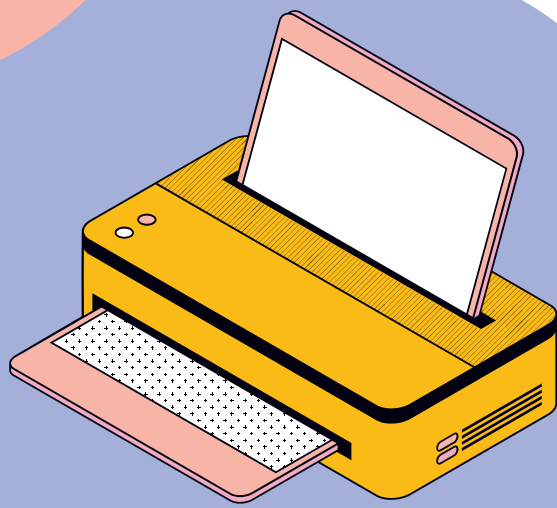
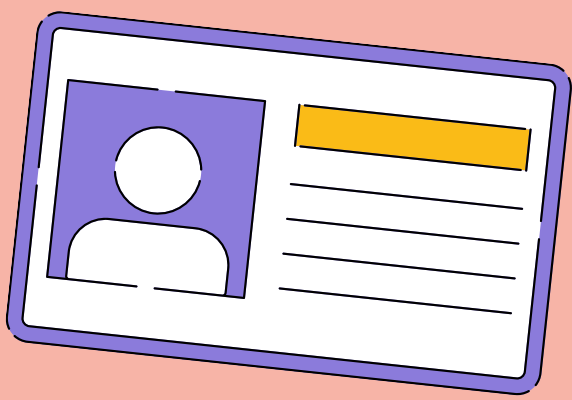
5. Internal R&D Projects Review Session

On February 15, 2025, Dr. S. Ramakrishnan, Dean of Research and Innovation (R&I), convened an in-house R&D Faculty Members Meeting to review and assess the progress of ongoing research initiatives. The meeting aimed to evaluate current projects, identify areas for improvement, and strategize future research directions to enhance the institution's research capabilities.





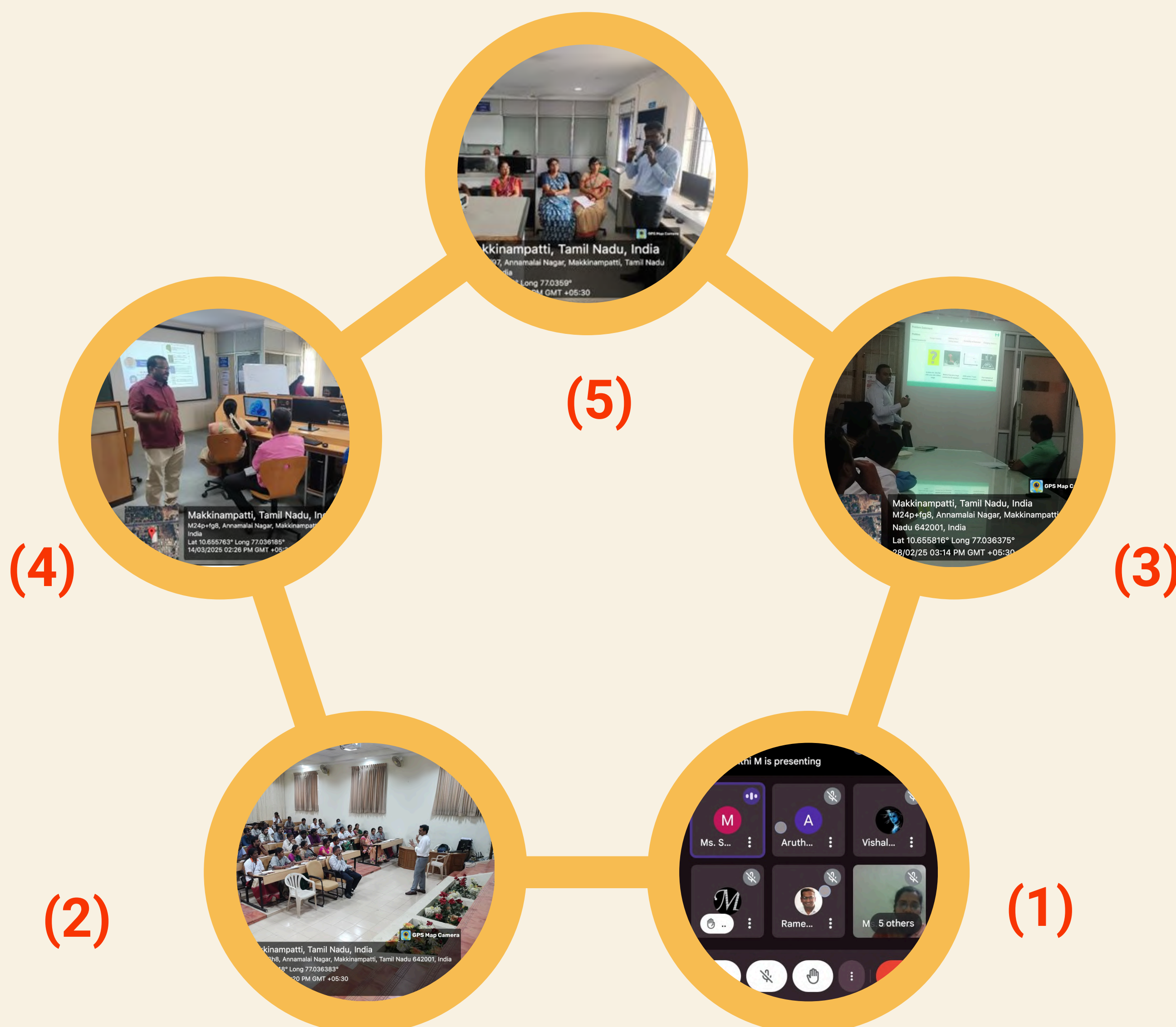
Knowledge Sharing Sessions Conducted



Makkinampatti, Tamil Nadu, India
M23p+8h8, Annamalai Nagar, Makkinampatti, Tamil Nadu 642001, India
Lat 10.65348° Long 77.036383°
08/02/2025 02:20 PM GMT +05:30

Knowledge Sharing Sessions Conducted

S.No.	Name of the Event	Resource Person	Date & No. of Participants
1	Research Challenges and Possibilities	Dr.M.Shanthi, Assistant Professor, Department of Science & Humanities, Karpagam College of Engineering, Coimbatore.	07.12.2024 & 8 (Online)
2	Research Proposal Writing	Dr.K.Ragavan, Associate Professor/Electrical Engineering, IIT Gandhinagar	08.02.2025 & 76
3	Electric Vehicles – Challenges and Opportunities	Dr. Vimal Jayaseelan, Founder & CEO, Hygge Mobility Pvt.Ltd., Bengaluru	28.02.2024 & 7
4	Research Trends using Deep Learning	Dr. Venkatesan M, Associate Professor, Department of Computer Science and Engineering, NIT, Puducherry	14.03.2025 & 36
5	Research aspects in Networking and Cyber Security	Mr.Ramakrishnan Nataraj Cyber Security Analyst and Trainer, ERP Next	27.03.2025 & 13

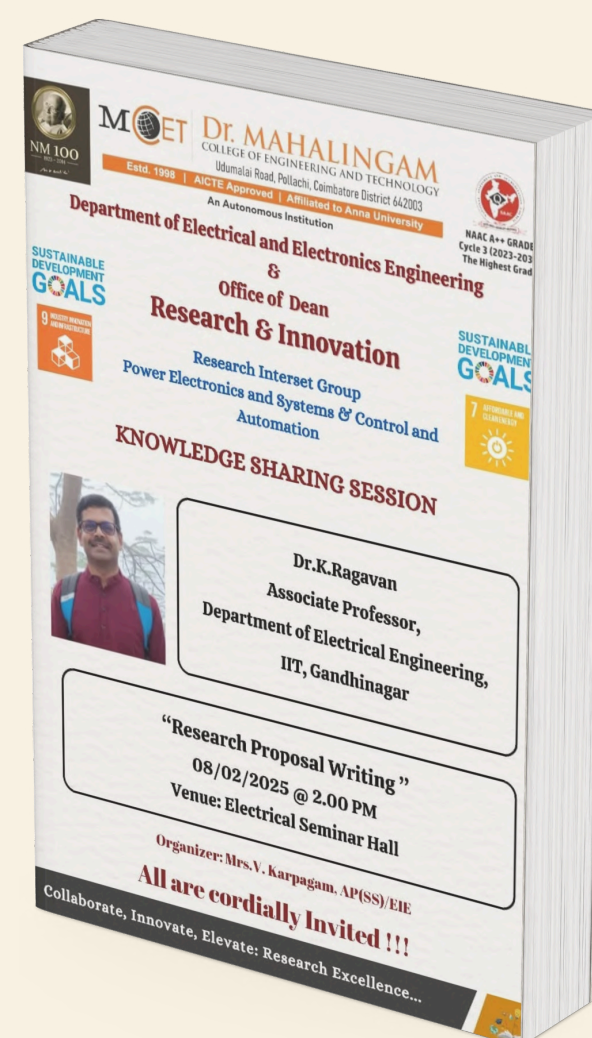


Knowledge Sharing Sessions Conducted



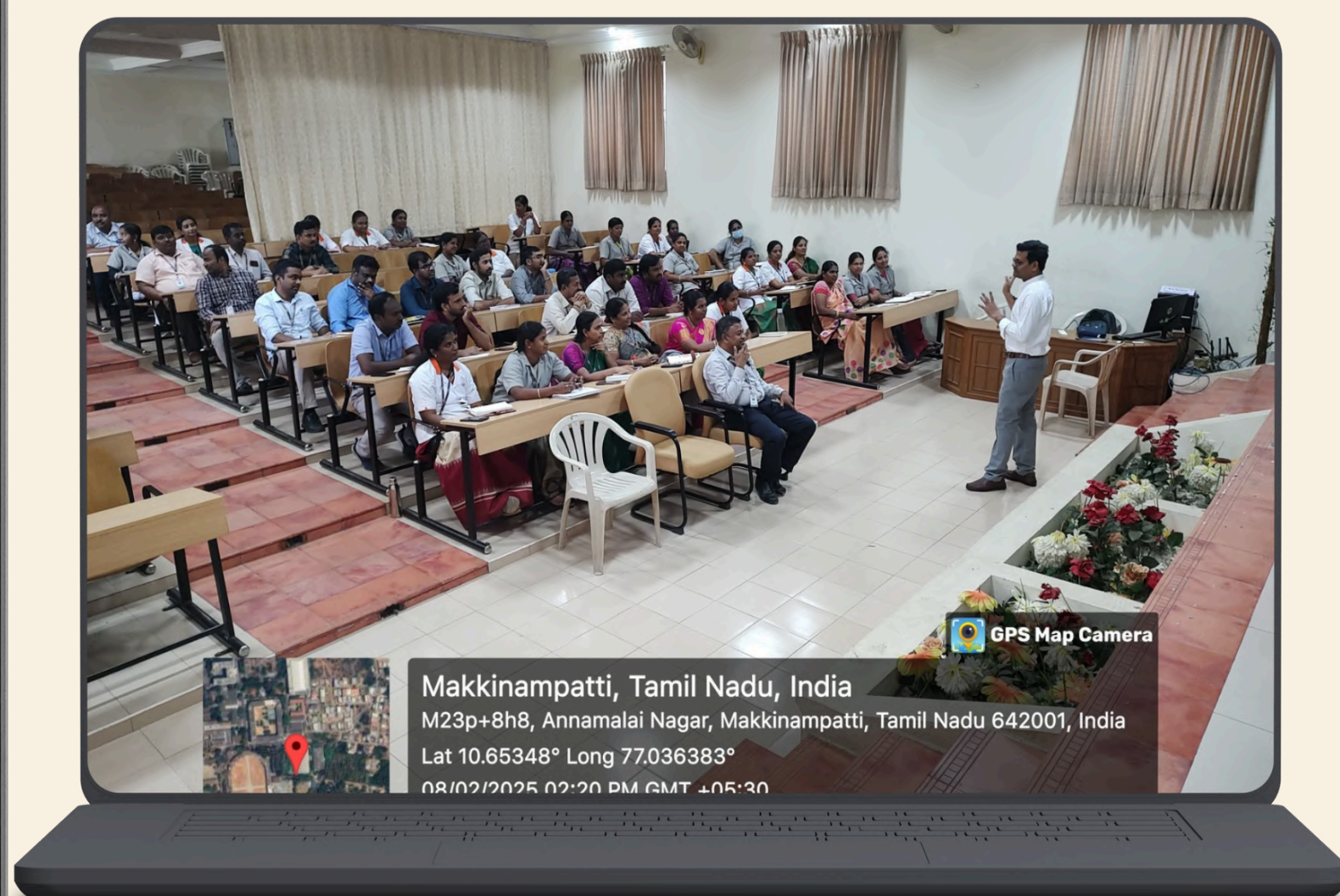
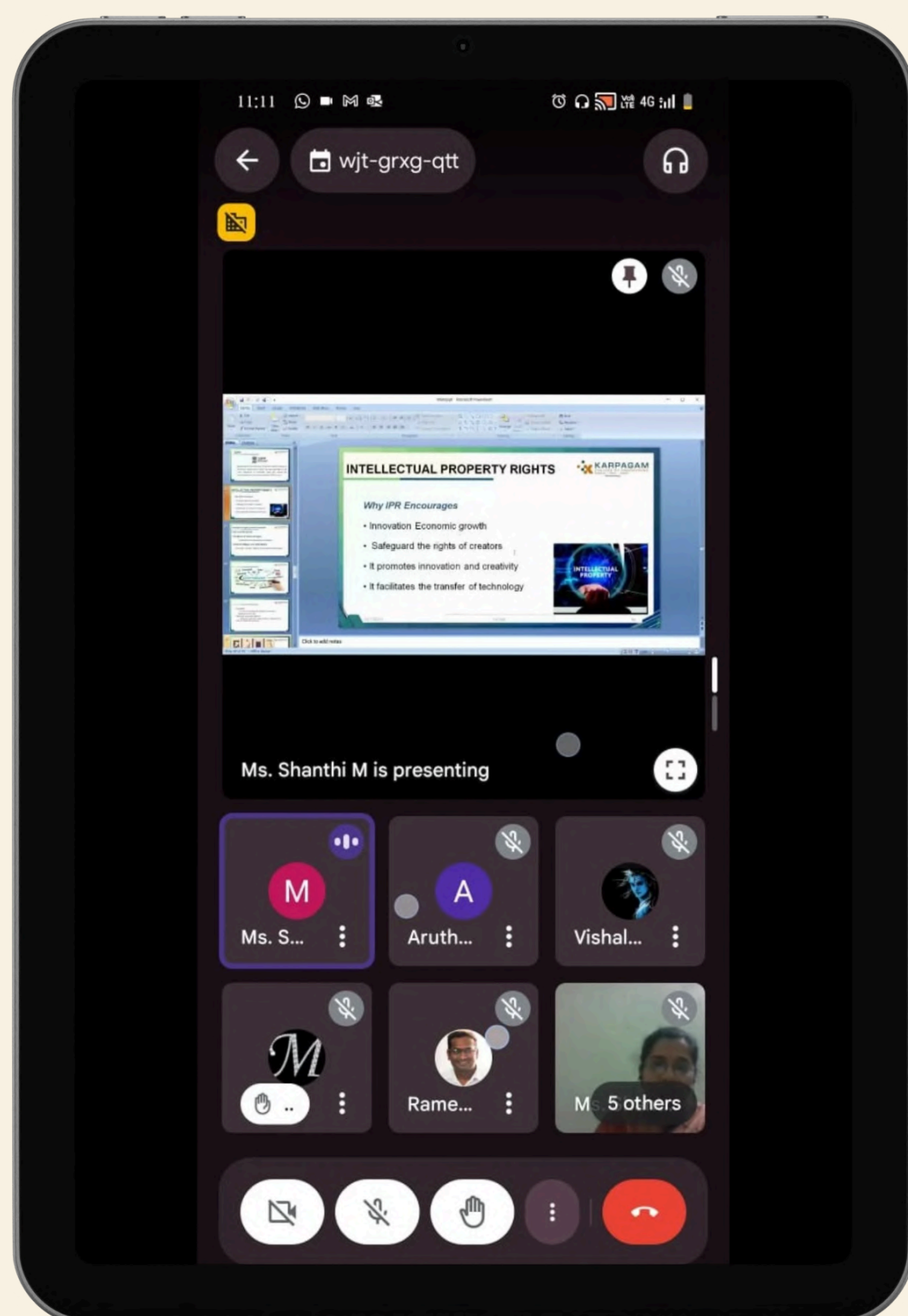
**Dr.M.Shanthi, Assistant Professor,
Karpagam College of Engineering,
Coimbatore**

**Topic: Research Challenges and
Possibilities**



**Dr.K.Ragavan,
Associate Professor, IIT
Gandhinagar**

**Topic: Research Proposal
Writing**



Knowledge Sharing Sessions Conducted



Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution



NAAC A++ GRADE
Cycle 3 (2023-2030)
The Highest Grade



Office of Dean
Research & Innovation
Research Interest Group
Materials, Design and Manufacturing



KNOWLEDGE SHARING SESSION



Dr. Vimal Jayaseelan
Founder / CEO
Hygge Mobility Pvt. Ltd.
Bengaluru

“Electric Vehicles - Challenges and Opportunities”
28/02/2025 & 02.30 PM
Venue: A421

Organizers: Dr.S.K.Ashok, AP(SG)/Auto Mr. S.Mahalingam, AP/Auto

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution



NAAC A++ GRADE
Cycle 3 (2023-2030)
The Highest Grade



Office of Dean
Research & Innovation
Research Interest Group
Artificial Intelligence and Machine Learning



KNOWLEDGE SHARING SESSION



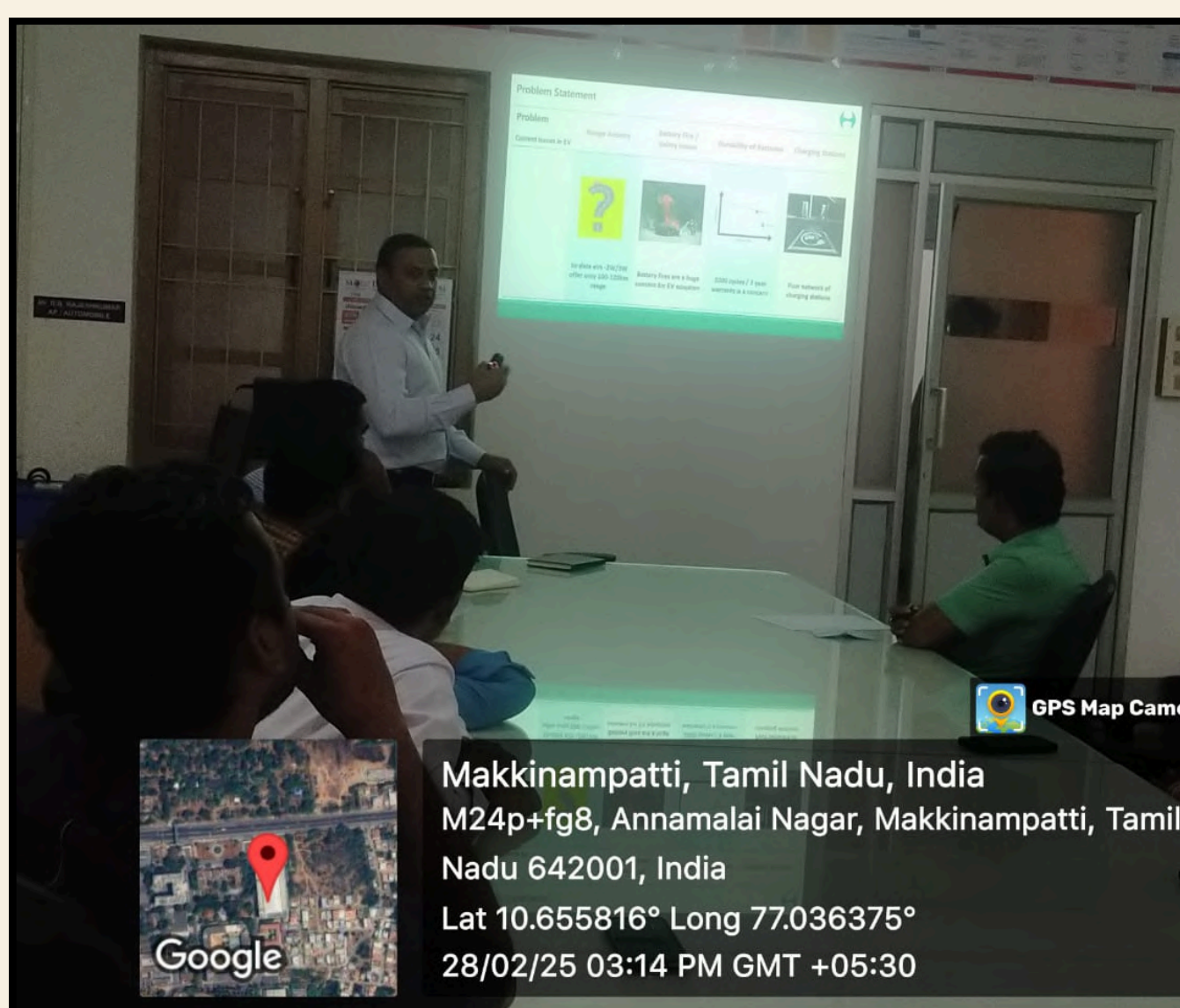
Dr.M. Venkatesan
Associate Professor
Department of Computer Science & Engineering
National Institute of Technology
Puducherry, Karaikal.

“Research Trends using Deep Learning”
14/03/2025 & 2.00 PM
Venue: A525




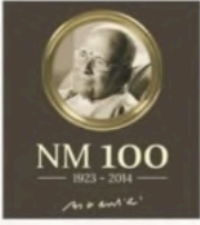
Organizers: Dr.S.Ponni@sathya, Asso.Prof./IT Ms.T.Sumathi, AP(SS)/IT

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...




Knowledge Sharing Sessions Conducted




Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution


NAAC A++ GRADE
Cycle 3 (2023-2030)
The Highest Grade



Office of Dean
Research & Innovation
Research Interest Group
Computer Network & IoT



KNOWLEDGE SHARING SESSION



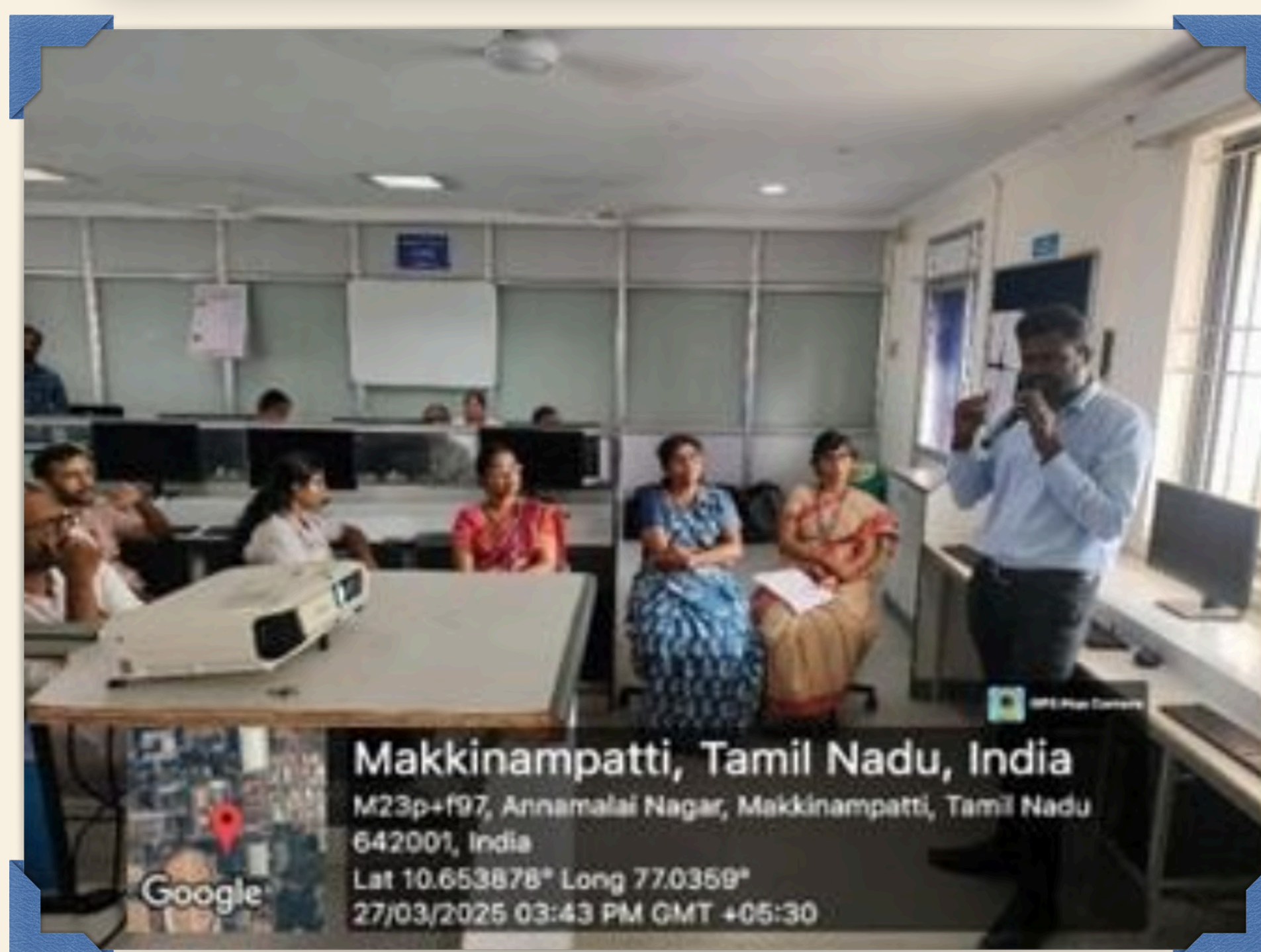
Mr. Ramakrishnan Nataraj
Cyber Security Analyst and Trainer
ERP Next

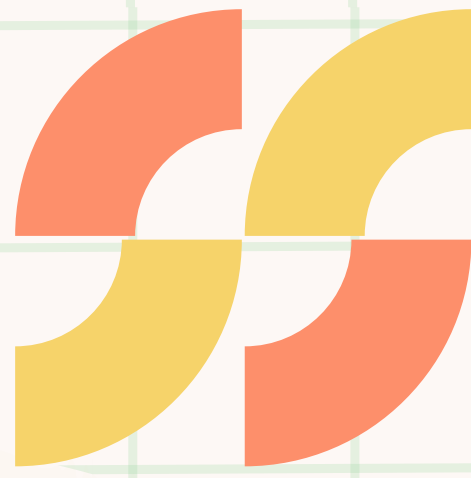
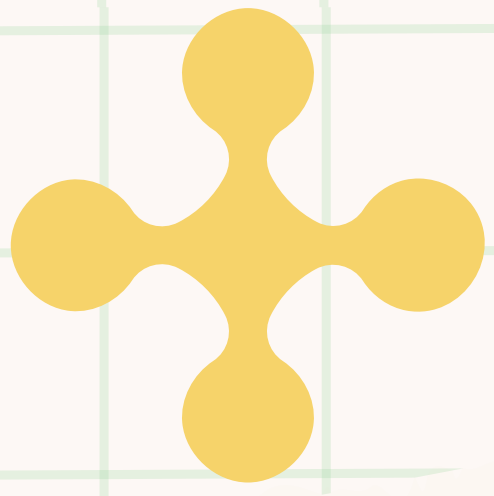
“Research Aspects in Networking and Cyber Security”
27/03/2024 & 3.30 PM
Venue: C307-ECE Department Conference Hall

Organizers: Ms. R.Sherine Jenny, AP(SS), ECE Mr R.Muthubharathi AP(SS)/EEE

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...





ACTIVITIES ORGANIZED THROUGH RESEARCH INTEREST GROUP



ACTIVITIES ORGANIZED THROUGH RESEARCH INTEREST GROUP (RIG)

S.No.	Title	Name of the Resource Person (MCET faculty members)	Date
1	Effective Cardiovascular Diseases Prediction using Machine Learning Techniques	Mr.Prabhu K, AP(SS)/ CSE	03 DEC 2024
2	Dissemination of High End Workshop on "Deep Learning for Biomedical Signal Processing"	Dr. C.Moorthy, AP(SS) /ECE	12 DEC 2024
3	Data Science and Advanced Machine Learning Exploration using Python	Dr.N.Suba Rani, Assoc. Prof./CSE Dr. S. Nithya, Assoc. Prof./AI&DS Mr. M. Vijayakumar, AP/AI&DS	18 DEC 2024
4	Workshop on Transforming Healthcare with AI	Mr.M.Manoj kumar, AP/CSE	19 DEC 2024
5	Microsoft Azure AI	Ms. G.Gayathri, AP/CSE Ms. A.Jayalakshmi, AP/CSE	20 DEC 2024
6	AI Applications and Practical Insights	Mr.R.Karthick, AP(SS) /CSE	21 DEC 2024
7	Software Security: 24 Deadly Sins of Software Programming	Mr.K.Prabhu, AP(SS)/CSE Ms.G. Umamaheswari, AP/CSE	21 DEC 2024
8	Electric Vehicle Technology	Mr.S. Mahalingam, AP/Auto	08 JAN 2025
9	Mathematics in Machine Learning	Dr.R.Ramesh, AP(SG)/Maths Dr.T.Muthu Kumar, AP/Maths	08 JAN 2025
10	A Review on Algorithms used in Antenna design for wireless system	Ms.S.Abiramasundari, AP/ECE	14 FEB 2025
11	Challenges in Designing Antenna for Real-time and Human Implantation	Ms.K.C.Raja Rajeswari, AP/ECE	15 FEB 2025
12	Design Of Emotion Recognition System Using EEG Signals	Mr.A.Shafeek, AP (SS) /ECE	
13	Investigation of polymer composite in Additive Manufacturing	Mr.N.Dhamodharan, AP/Auto	
14	Interpretation of Material Characterization Instruments	Mr. R.Vishnurameshkumar, AP(SS) /Auto	17 FEB 2025
15	Phytoremediation	Mr. S. Dineshkumar, AP/Civil	21 FEB 2025
16	Research Seminar on "PVD Methods for Thin film Deposition and its Applications"	Dr V Regina Delcy, AP/Physics	
17	Hands-on: Ethical Hacking - Capturing Passwords and visited websites using ARP Spoofing attack with Bettercap tool	Dr.N.Senthil Madasamy, Assoc. Prof./CSE	22 FEB 2025
18	DC TO DC Converter For Renewable Energy Applications	Mr. M. Saravanakumar, AP(SS) /EEE	
19	Design for Manufacturing using Creo	Dr. K.Sakthivadivel - AP(SG) /Auto Mr. N.Dhamodharan - AP/Auto Dr. M. Jayaraj - AP(SG) / Mech Dr N.Balamurali - AP / Mech	27 FEB 2025

ACTIVITIES ORGANIZED THROUGH RESEARCH INTEREST GROUP (RIG)

MCET DR. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

Office of Dean
Research & Innovation
Research Interest Group
Computer Network & IoT

Research Seminar

Mr. Prabhu K
Assistant Professor (SS)
Department of Computer Science and Engineering
Dr. Mahalingam College of Engineering and Technology, Pollachi

"Effective Cardiovascular Diseases Prediction using Machine Learning Techniques"
03/12/2024 & 4.00 PM
Venue: C125-CSE Department Library

Organizers: Ms. R.Sherine Jenny, AP(SS), ECE Mr.R.Muthubharathi AP(SS)/EEE

All are cordially Invited !!!

MCET DR. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

Office of Dean
Research & Innovation
Research Interest Group
Signal and Image Processing

Dr. C.Moorthy,
Assistant Professor (SS),
Department of ECE
Dr. Mahalingam College of Engineering and Technology, Pollachi - 642 003.

Dissemination of High End Workshop on "Deep Learning for Biomedical Signal Processing" conducted by NIT Puducherry (Part -I)
12/12/2024 @ 2.00pm
Venue: C308 ECE Department Conference Hall

Organizers: I. Dr. S. Bharathi & Mr.T.Selvakumar

All are cordially Invited !!!

MCET DR. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

Office of Dean
Research & Innovation
Research Interest Group
Data Science
Knowledge Sharing Session

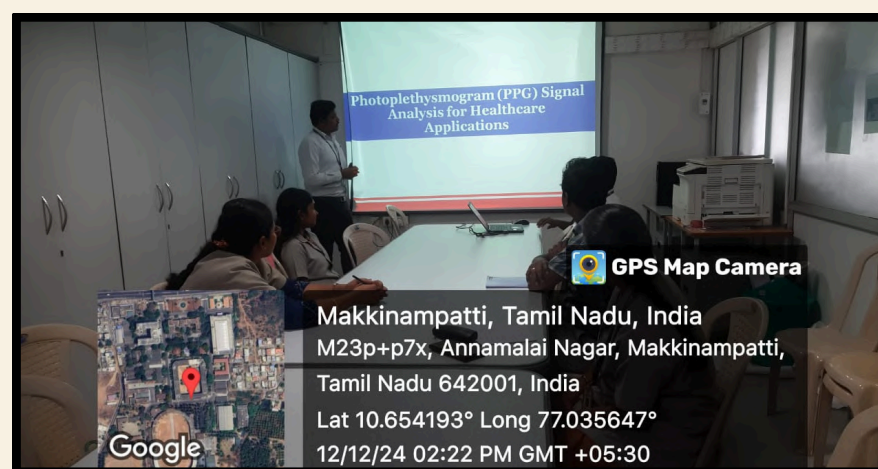
Dr.N.Suba Rani, Assoc. Prof/CSE,
Dr. S. Nithya, Assoc. Prof/AI&DS,
Mr. M. Vijayakumar, AP/AI&DS
Dr. Mahalingam College of Engineering and Technology, Pollachi

"Data Science and Advanced Machine Learning Exploration using Python"
18.12.2024 & 11:00 am Venue: C124

Organizers: Dr.S.Raja Rajeswari, AP/ MCA Ms.C.Jayashree, AP(SS)/ CSE

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



MCET DR. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

Office of Dean
Research & Innovation
Research Interest Group
Data Science

Research Seminar

Mr.D.Manojkumar
Assistant Professor
Department of Computer Science and Engineering
Dr. Mahalingam College of Engineering and Technology, Pollachi

"Transforming health care with AI"
19/12/2024 & 3.30 PM
Venue: C124

Organizers: Dr.S.Raja Rajeswari, AP/ MCA Ms.C.Jayashree, AP(SS)/CSE

All are cordially Invited !!!

MCET DR. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

Office of Dean
Research & Innovation
Research Interest Group
Data Science

KNOWLEDGE SHARING SESSION

Ms.G.Gayathri, AP/CSE
Ms.A.Jayalakshmi, AP/CSE
Department of Computer Science and Engineering
Dr. Mahalingam College of Engineering and Technology, Pollachi

"Microsoft Azure AI"
20/12/2024 & 3.00 PM
Venue: C124

Organizers: Dr.S.Raja Rajeswari, AP/ MCA Ms.C.Jayashree, AP(SS)/CSE

All are cordially Invited !!!

MCET DR. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

Office of Dean
Research & Innovation
Research Interest Group
Data Science

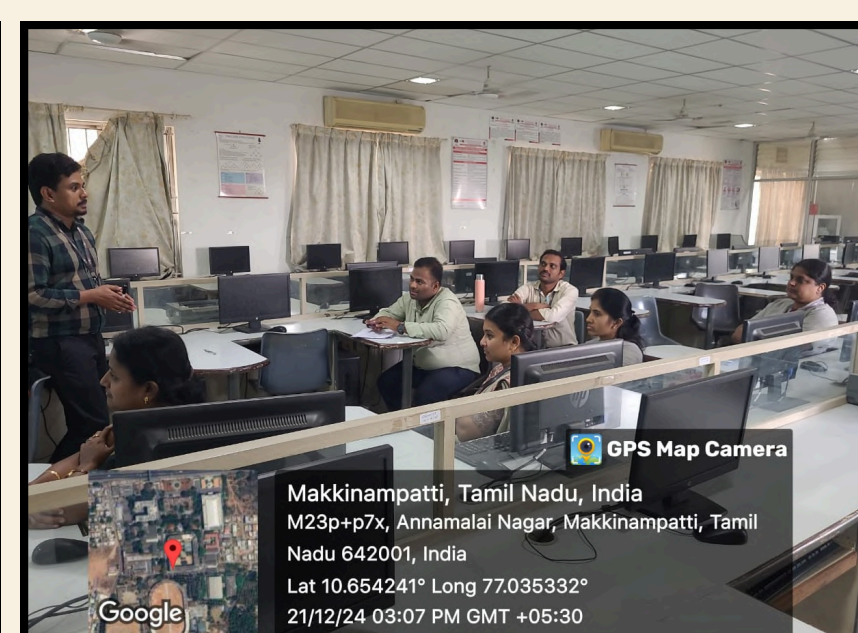
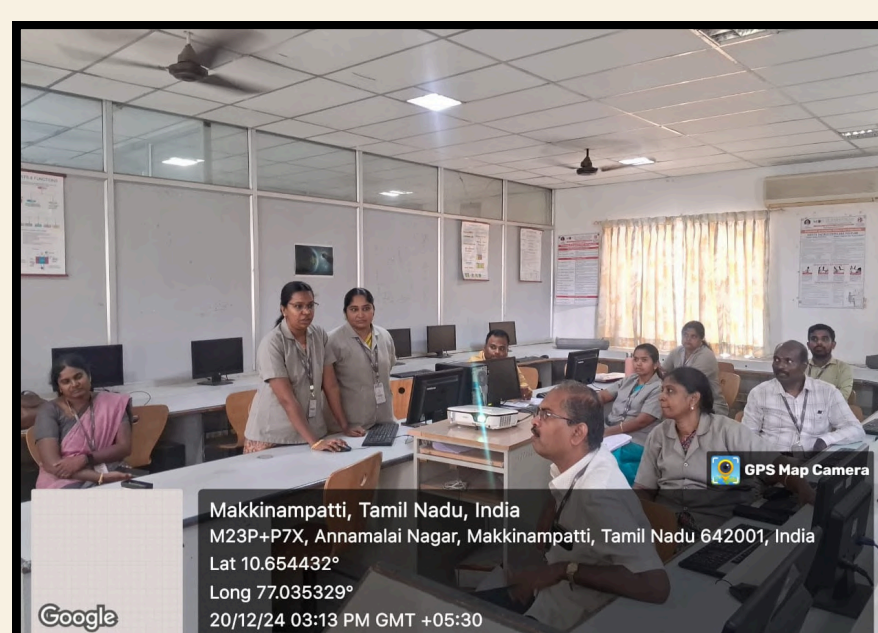
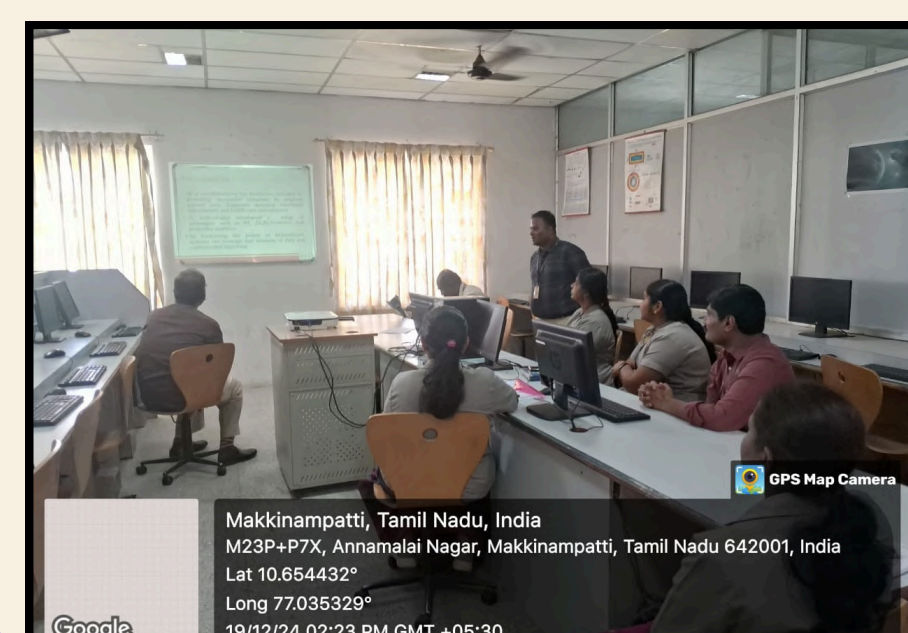
KNOWLEDGE SHARING SESSION

Mr.R.Karthick
Assistant Professor(SS)
Department of Computer Science and Engineering
Dr. Mahalingam College of Engineering and Technology, Pollachi

"AI Applications and Practical Insights"
21/12/2024 & 3.00 PM
Venue: C124

Organizers: Dr.S.Raja Rajeswari, AP/ MCA Ms.C.Jayashree, AP(SS)/CSE

All are cordially Invited !!!



ACTIVITIES ORGANIZED THROUGH RESEARCH INTEREST GROUP (RIG)

MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

**Office of Dean
Research & Innovation**
“Signal & Image Processing”
Research Seminar

Mr.A.Shafeek,
Assistant Professor (SS),
Department of Electronics and
Communication Engineering
Dr. Mahalingam College of Engineering and
Technology, Pollachi - 642 003.

**“DESIGN OF EMOTION RECOGNITION SYSTEM
USING EEG SIGNALS”**
15/02/2025 @ 11.00 am
Venue: C308 ECE Department Conference Hall

Organizer(s): 1. Dr. S. Bharathi 2. Mr.T.Selvakumar
All are cordially Invited !!!

MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

**Office of Dean
Research & Innovation**
Research Interest Group
Materials, Design and Manufacturing
KNOWLEDGE SHARING SESSION

Mr. R.Vishnurameshkumar
Assistant Professor (SS)
Department of Automobile Engineering
Dr. Mahalingam College of Engineering and
Technology, Pollachi

**“Interpretation of Material Characterization
Instruments”**
17/02/2025 @ 11.30 AM
Venue: A421

Organizers: Dr.S.K.Ashok, AP(SG)/Auto Mr.M.Padmanaban, AP(SS)/Mech
All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...

MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

**Office of Dean
Research & Innovation**
Energy Engineering & Alternative
Fuels
Research Seminar

Dr V Regina Delcy
Assistant Professor/Physics
Department of S&H
Dr. Mahalingam College of Engineering and
Technology, Pollachi - 03

**Research Seminar on “ PVD Methods for Thin film Deposition
and its Applications”**
21.02.2025 @ 3.00 pm
Venue: A421- Auto Conference hall

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

**Office of Dean
Research & Innovation**
Research Interest Group
Sustainability and Green Technologies
RESEARCH SEMINAR

Mr. S. Dineshkumar
Assistant Professor
Department of Civil Engineering
Dr. Mahalingam College of Engineering and
Technology, Pollachi

“Phytoremediation”
21/02/2025 @ 3.00 PM
Venue: A222

Organizers: Dr.N.Natarajan, Prof./CE Mr.A.Praveen Kumar, AP(SS)/CE
All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...

MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

**Office of Dean
Research & Innovation**
Research Interest Group
Computer Network & IoT
Research Seminar

Dr.N.Senthil Madasamy
Associate Professor
Department of Computer Science and Engineering
Dr. Mahalingam College of Engineering and
Technology, Pollachi

**“Hands-on: Ethical Hacking – Capturing Passwords and visited
websites using ARP Spoofing attack with Bettercap tool”**
22/02/2025 @ 2:15PM to 4:15PM
Venue: C124 - Internet and Mobility Lab

Organizers: Ms. R.Sherine Jenny, AP(SS), ECE Mr.R.Muthubharathi AP(SS)/EEE
All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...

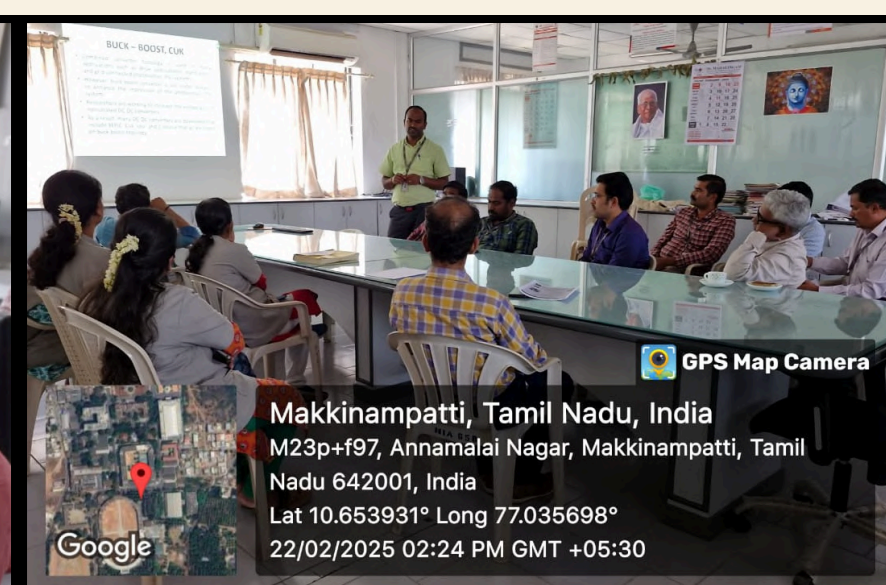
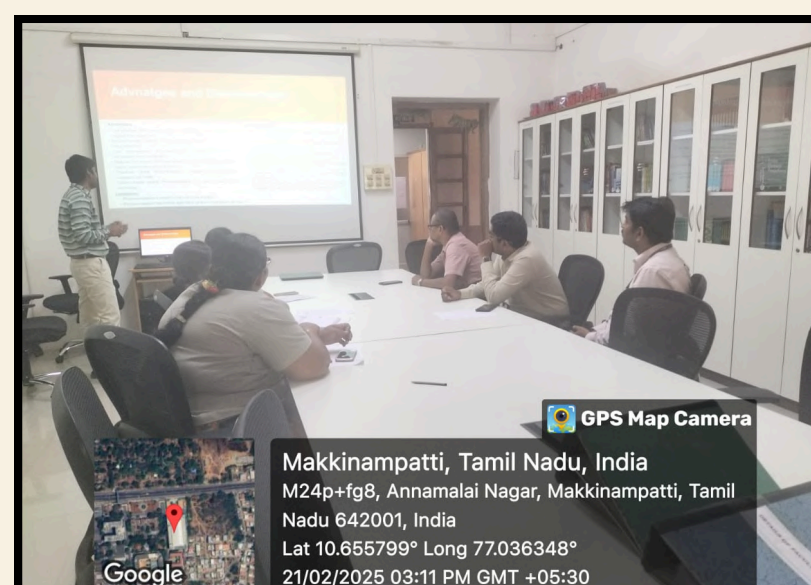
MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

**Office of Dean
Research & Innovation**
Research Interest Group
Power Electronics and Systems & Control
and Automation
RESEARCH SEMINAR

Mr. M. SARAVANAKUMAR
Assistant Professor (SS)
Department of Electrical and Electronics
Engineering
Dr. Mahalingam College of Engineering and
Technology, Pollachi

**“DC TO DC CONVERTER FOR RENEWABLE ENERGY
APPLICATIONS”**
22/02/2025 @ 2.00 PM
Venue: C213 - EEE Conference Hall

Organizer: Mrs.V. Karpagam, AP(SS)/EIE
All are cordially Invited !!!



ACTIVITIES ORGANIZED THROUGH RESEARCH INTEREST GROUP (RIG)



NM 100
1923 - 2024



Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution



NAAC A++ GRADE
Cycle 3 (2023-2030)
The Highest Grade



SUSTAINABLE DEVELOPMENT GOALS

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

Office of Dean

Research & Innovation

Research Interest Group

Materials, Design and Manufacturing



SUSTAINABLE DEVELOPMENT GOALS

7 AFFORDABLE AND CLEAN ENERGY

KNOWLEDGE SHARING SESSION



Dr. K. Sakthivadivel – AP(SG) / AUTO
Mr. N. Dhamodharan – AP / AUTO
MCET, Pollachi



Dr. M. Jayaraj – AP(SG) / MECH
Dr. N. Balamurali – AP / MECH
MCET, Pollachi

“Design for Manufacturing using Creo ”
27/02/2025 & 3.00 PM
Venue: A421

Organizers: Dr. S. K. Ashok, AP(SG)/Auto Mr. M. Padmanaban, AP(SS)/Mech

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



DETAILS OF PATENTS GRANTED/ PUBLISHED/ FILED



DETAILS OF PATENTS GRANTED/ PUBLISHED/ FILED**DETAILS OF DESIGN REGISTERED**

S.No.	Application No.	Name of the Inventors	Title of the Patent	Date of Publication
1	431367-001	Mr.V.D.Tamilarasan, AP(SS) - AUTO Dr. D.Shanmugam, Prof. & HoD - AUTO Mr. R.Vishnu Ramesh Kumar AP(SS) - AUTO Mr. M. Mahendran, AP(SS) - AUTO Mr.M.Ponmurugan, AP(SS) - AUTO Mr. S.Mahalingam, AP - AUTO Mr. Bavithran K, Student of Mech (UG) Mr. Pughalarasan, Student of Auto (UG)	Electric All-terrain vehicle roll cage	04/12/2024
2	431663-001	Ms. Mithuna R, AP - AIML	Smart WIFI LED Ceiling Light	12/06/2024
3	428379-001	Ms. A.Saranya, AP - MATHS	Smart telematics systems for enhanced vehicle communication	
4	429908-001	Dr. Balamurali, AP -MECH Dr. S.V. Gurupranes, AP -MECH Mr. J. Nagarajan, AP - EEE Mr. M. Lohit, Student of Mech Mr. R.S. Sharveshwaran, Student of Mech	Integrated tea maker and Bread toaster device	13/12/2024
5	434986-001	Mr. J. Dinesh kumar, AP - MECH	Split Casting High speed pump	23/12/2024
6	422509-001	Dr. M.Jayaraj, AP(SG) - MECH Dr.N.Shanmuga Sundaram AP(SG) - MECH Mr.K.Vijayakkannan, AP(SS) - MECH	Double Vacuum Blower for Cleaning Coir Pit Blocks	27/12/2024
7	432524-001	Ms. Jeslin Benita Ponnarasi, AP - CYS	Device for attack detection in Digital forensics	



DETAILS OF PATENTS GRANTED/ PUBLISHED/ FILED



Office of Dean Research and Innovation

Certificate of Grant for Utility Patent

Title

"Fault diagnosis system and rectification method for uniform power generation in solar power plants"

Patent No. : 563302

DATE OF ISSUE:
24.03.2025

DATE OF FILING:
11.03.2021

INVENTORS




Dr.J.Ramprasath
ASP & HOD/AI&DS

Mr.N.Praveen Sundra Kumar
AP(SS)/IT



@ MCET IPR CELL  Illuminating Discoveries



Office of Dean Research and Innovation

Certificate of Grant for Design Patent

Title

"OUTDOOR AIR PURIFIER"

Design No. : 426413-001

DATE OF ISSUE:
10.03.2025

DATE OF FILING:
10.08.2024

INVENTORS



Dr. N. Natarajan
Prof./Civil



Mr.S.Syed Masoodhu
AP(SS)/Civil



Mr.S.Dineshkumar
AP/Civil



Ms.S.Sharmila
AP/Civil



@ MCET IPR CELL  Illuminating Discoveries

LIST OF PATENTS FILED/PUBLISHED

S.No	Application No.	Name of the Inventors	Title of the Patent	Date of Filed (F)/ Published (P)
1	2024410637 28	Dr.C.Moorthy, AP - ECE Mr.V.Gurunathan, AP - ECE Ms.T.Sathiyapriya, AP - ECE Mr.A.Shafeek, AP - ECE Ms.S.Thilagavathi, AP - ECE	Voice Activated Smart Wearable Device for Women Safety using Machine Learning	06/12/2024 (P) 23/08/2024 (F)
2	2025410032 24	Pooja P Raj, AP(SS) - AIDS	Utilizing blockchain for enhanced security and transparency in library transactions	24/01/2025 (P) 14/01/2025 (F)
3	2025440043 38	Ms.M.Rubha, AP - MCA Dr.R.Muthusami, ASP & HOD - MCA	Smart system for Agricultural Renaissance (SAR)	31/01/2025 (P) 20/01/2025 (F)
4	2023410468 34	Dr.P.Vivekanandan, Prof & Head - AIML Guru Dharsan T, Student of AIML Mrs.V.Shanmugaveni, AP - CYS Ms.M.Bhagavathi Priya, AP - VLSI Mr.M.Sakthivadivel, AP (SS) - CYS	Programmable smart kitchen container	24/01/2025 (P) 14/01/2025 (F)
5	2025410089 97	Dr. S. V. Gurupranes, AP - MECH	Bio-material-based air filtration system	14/02/2025 (P) 04/02/2025 (F)

LIST OF PATENTS - FILED/PUBLISHED

S.No.	Application No.	Name of the Inventors	Title of the Patent	Date of Filed (F)/ Published (P)
6	2025410092 88	Ms. P. Vanjipriya, AP - ECE Dr. S. Raja Rajeshwari, AP(SS) - MCA Mr. N.S Madhumohan, Student of ECE Mr. K.A. Sreeram, Student of ECE Mr. C.N. Balmurali, Student of ECE Ms. Nivetha R P, Student of MCA Ms. Boomika P, Student of MCA Ms. Janavi T, Student of MCA	Driver drowsiness detection system and method thereof	14/02/2025 (P) 04/02/2025 (F)
7	2025410092 99	Mr. Sreejith S Nair, AP(SS) - MECH Dr. Rama Thirumurugan, Prof & Head - MECH Dr. M. Jayaraj, AP(SG) - MECH Mr. R. Dharaneesh, Student of Mech Mr. A. Rajiv Sanjai, Student of Mech Mr. V. Suthirkumar, Student of Mech	Suspension Based Air Compressor System	14/02/2025 (P) 04/02/2025 (F)
8	2025410093 14	Mr. K. S. Mithun Kumar, Student of Auto Mr. S. Yaswanth, Student of Auto Mr. D. Gokulakrishnan, Student of Auto Ms.S. Pavithra, Student of Auto Ms. J Lathika, Student of Auto Ms. K Navinaa, Student of Auto Mr. M. Mahendran, AP(SS) - AUTO Mr. V D Tamilarasan, AP - AUTO	Aeroponics-Integrated Hydroponics Agriculture System with IoT and AI-Based Automation	14/02/2025 (P) 05/02/2025 (F)
9	2025410106 86	Mr. M. Mahendran, AP(SS) - AUTO Mr. Saran N, Student of Auto Mr. Mehulkrishna M, Student of Auto Mr. Elladurai S, Student of Auto	Portable Forklift System with Integrated Weighing Mechanism for Material Handling	14/02/2025 (P) 08/02/2025 (F)



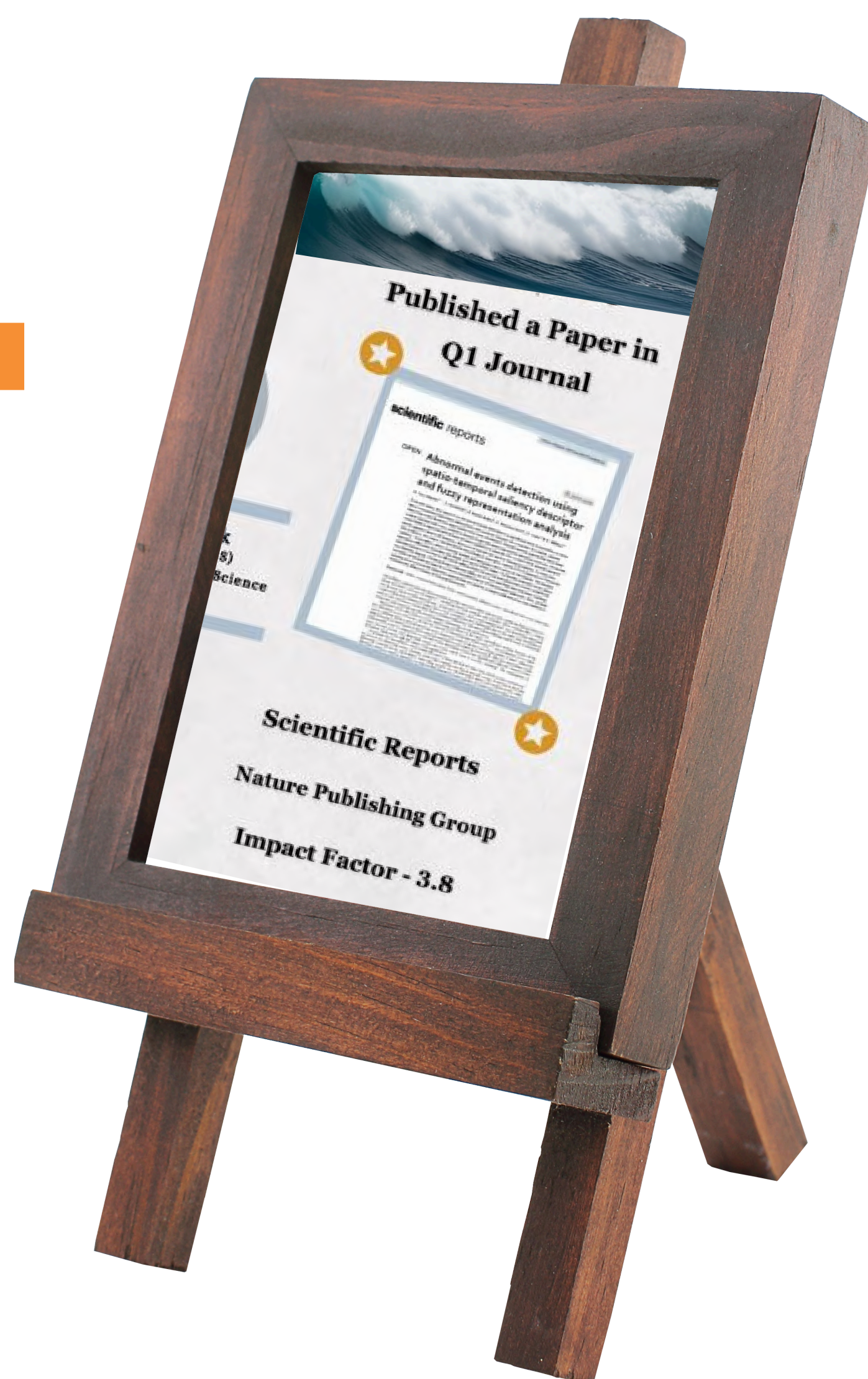
DETAILS OF PATENTS GRANTED/ PUBLISHED/ FILED

LIST OF COPY RIGHTS FILED/REGISTERED

S.No.	Application No.	Name of the Inventors	Title of the Patent	Date of Registered (R) / Filed (F)
1	L-158295/2024	Mr.L.Hubert Tony Raj, AP - EEE Dr.M.Kaliamoorthy, Prof- EEE Dr.K.Uma Maheswari, AP(SG) - EEE Mr.K.Manikandan, AP - EEE Dr.T.Anand Kumar, AP (SS) - EEE	Elementary experiments on electronics using python and tinkercad	12/12/2024 (R)
2	2866/2025-CO/L	Mr.R.Govindaraj, AP - IT	Python master class zero to hero	25/01/2025 (F)
3	2867/2025-CO/L		Full stack web dev road map	
4	L-160034/2025	Ms.S.C.Lavanya, AP (SS) - CSE Mr.P.Boopathi Rajan, AP (SS) - CSE Dr.A.Noble Mary Juliet, ASP - CSE Ms.B.Suganya, AP (SS) - CSE	Workbook on "Introduction to Big Data"	28/01/2025 (R)



RESEARCH PUBLICATIONS



RESEARCH PUBLICATIONS**Journal Article Publications**

1. **Johnson William, J.**, I. Manohara Babu, and G. Muralidharan. "Spherical Bismuth Iron Oxide Nanostructures as Battery-Type Negative Electrode for Supercapacitor Applications." Journal of Electroanalytical Chemistry 978 (February 2025): 118869. <https://doi.org/10.1016/j.jelechem.2024.118869>. *Indexing: Q1, SCIE.*
2. Shanmugapriya, P., **T. Sathesh Kumar**, S. Kirubadevi, and P. Venkata Prasad. "IoT Based Energy Management Strategy for Hybrid Electric Storage System in EV Using SAGAN-COA Approach." Journal of Energy Storage 104 (December 2024): 114315. <https://doi.org/10.1016/j.est.2024.114315>. *Indexing: Q1, SCIE.*
3. Naveen, Michael Roger, Logesh Kamaraj, and **Hariharasakthi sudhan Ponnarengan**. "Sustainable Optimization of Compression Molding Parameters for High-performance Titanium-based Fiber Metal Laminates with Graphene-enhanced K Evlar/Jute Fibers." Polymer Composites, February 6, 2025, pc.29582. <https://doi.org/10.1002/pc.29582>. *Indexing: Q1, SCIE.*
4. Baluchamy, Anbarasan, Murugapoopathi Saravanamuthu, **Shanmuga Sundaram Natarajan**, and Sakthi Rajan Chandramurthy. "Analysis of Energy, Exergy, and Emissions in a Diesel Engine Powered by Cotton Silk Seed Oil Biodiesel with Varying Injection Timings." Environmental Science and Pollution Research, January 29, 2025. <https://doi.org/10.1007/s11356-025-35957-9>. *Indexing: Q1, SCIE.*
5. **Ramkumar, T., V. K. Sudha**, M. Selvakumar, and P. Muthusamy. "Prediction of Tribological Performance of Ti-3Al-2.5 V-xWC Composite Using Machine Learning Models." Journal of Materials Engineering and Performance, December 10, 2024. <https://doi.org/10.1007/s11665-024-10532-4>. *Indexing: SCIE.*
6. Thangavel, Nithyanandhan, **Naveen Kumar Shanmugavel**, Manickaraj Karuppusamy, and Ramakrishnan Thirumalaisamy. "Friction and Wear Behavior of Premixed Reinforcement Hybrid Composite Materials." Matéria (Rio de Janeiro) 29, no. 4 (2024): e20240552. <https://doi.org/10.1590/1517-7076-rmat-2024-0552>. *Indexing: SCIE.*

RESEARCH PUBLICATIONS

Journal Article Publications

7. **Ashok, S.K., D. Shanmugam, S. Ponni Alias Sathya, and M. Jayaraj.** “Effect of Process Parameters on the Corrosion Characteristics of Friction Stir Welded Aluminum Alloy AA2014-T6.” The Aeronautical Journal, January 8, 2025, 1–15. <https://doi.org/10.1017/aer.2024.133>. *Indexing: SCIE.*
8. Vasudevan, Mangottiri, and **Narayanan Natarajan.** “Towards Achieving Sustainable Bioplastics Production and Nutrient Recovery from Wastewater—a Comprehensive Overview on Polyhydroxybutyrate.” Biomass Conversion and Biorefinery 15, no. 2 (January 2025): 1729–48. <https://doi.org/10.1007/s13399-022-02399-z>. *Indexing: SCIE.*
9. Dhengare, S. W., V Sharun, **M. Mariappan,** and Pothamsetty Kasi V Rao. “Development and Characterization of Red Matta Rice Husk Derived Si₂N₂O Bioceramic-Epoxy Nanocomposite Coating for Damage and Barrier Protection of Building Materials.” Biomass Conversion and Biorefinery 14, no. 24 (December 2024): 32403–12. <https://doi.org/10.1007/s13399-023-04905-3>. *Indexing: SCIE.*
10. **Ponnarengan, Hariharasakthisudhan,** Sivakumar Rajendran, Vikas Khalkar, Gunapriya Devarajan, and Logesh Kamaraj. “Data-Driven Healthcare: The Role of Computational Methods in Medical Innovation.” Computer Modeling in Engineering & Sciences 142, no. 1 (2025): 1–48. <https://doi.org/10.32604/cmes.2024.056605>. *Indexing: SCIE.*
11. **Hariharasakthisudhan, P.,** K. Logesh, Sathish Kannan, R. Sivakumar, and K. Sathickbasha. “Optimizing The Process Parameter Of Abrasive Water Jet Machining Against Sub-Surface Delamination Of Nanoclay Modified Glare Laminates.” Surface Review and Letters, December 17, 2024, 2550086. <https://doi.org/10.1142/S0218625X25500866>. *Indexing: SCIE.*
12. Kannan, Sathish, **Hariharasakthisudhan P,** K Logesh, M Varatharajulu, Kk Thomas, and Salman Pervaiz. “Studies on Surface Roughness and Axial Thrust Force of Drilled Holes in Mg-Zn-Ca Bio-Medical Alloy.” Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science 239, no. 2 (January 2025): 432–48. <https://doi.org/10.1177/09544062241285216>. *Indexing: SCIE.*
13. Vishalatchi, K., Rajesh Kumar D, **T. Sathiyapriya, and V. Gurunathan.** “A Low-SAR Four-Element Antenna for ISM/NR78 Band Applications.” International Journal of Electronics, January 10, 2025, 1–15. <https://doi.org/10.1080/00207217.2025.2450736>. *Indexing: SCIE.*

RESEARCH PUBLICATIONS

Journal Article Publications

14. Gopal, V., Sethumathavan Vadivel, P. Sujita, Vaiyapuri Soundharrajan, **B. Saravanakumar, and P. A. Periasamy**. "Unveiling the Power of Hexagon-Shaped KCu₇S₄ towards Hydrogen Evolution Reactions and Supercapacitor Electrodes: A Bi-Functional Approach." *Ionics*, February 13, 2025. <https://doi.org/10.1007/s11581-025-06136-0>. *Indexing: SCIE*.
15. **Chandran, Radhakrishnan**, and Rajendran Irusa Gounder. "Assessing the Performance and Characteristics of Biomass Oil by Fast Pyrolysis of Coconut Outer Shell and Its Blends." *Biomass Conversion and Biorefinery*, February 21, 2025. <https://doi.org/10.1007/s13399-025-06662-x>. *Indexing: SCIE*.
16. P. Rathika, **S. Yamunadevi**, P. Ponni, V. Parthipan, and P. Anju. "Developing an AI-Powered Interactive Virtual Tutor for Enhanced Learning Experiences." *International Journal of Computational and Experimental Science and Engineering* 10, no. 4 (December 22, 2024). <https://doi.org/10.22399/ijcesen.782>. *Indexing: Scopus*.
17. Kanagaraj, R., N. Krishnaraj, J. Selvakumar, and **J. Ramprasath**. "Implementation of Multi-Label Fuzzy Classification System Using Topic Detection Data Set." *Procedia Computer Science* 252 (2025): 15–24. <https://doi.org/10.1016/j.procs.2024.12.003>. *Indexing: Scopus*.
18. Sathickbasha Katharbashah, **Hariharasakthisudhan Ponnarengan**, Varun Kumar Arulvizhi, Venkata Ramarao Mutyala, Sivakumar Chandramohan, "Effect of Potassium Titanate Fibres and Metal Sulphides in the Tribological Behaviour of Brake Friction Composites." *Tribology and Materials* 3, no. 3 (2024): 108–17. <https://doi.org/10.46793/tribomat.2024.014>. *Indexing: Scopus*.
19. Deepan Kumar, Sadhasivam, **Vishnu Ramesh Kumar R**, Boopathi M, R Manojkumar, Gobinath R, and Vignesh M. "FPGA Implementation of HLS Crypto Accelerators for Embedded Security in Autonomous Vehicles," 2025-28–0205. Chennai, India, 2025. <https://doi.org/10.4271/2025-28-0205>. *Indexing: Scopus*.
20. Vigneshkumar, M, G Gokilakrishnan, **Sreejith S Nair**, A Sivalingam, Muthukumar Marappan, and Suriya Shaffi Bhat. "Analysis of the Use of Nano-Engineered Composite Energy Retention Materials in Eco-Building Layouts." *Journal of Physics: Conference Series* 2925, no. 1 (December 1, 2024): 012012. <https://doi.org/10.1088/1742-6596/2925/1/012012>. *Indexing: Scopus*.

RESEARCH PUBLICATIONS

Journal Article Publications

21. Dr.S.Bhaggiaraj, **Mr.A.Vishnuprasath**, Dr. Karthik, Dr. C. Thiripura Sundari, “Computer Vision and Deep Learning based solution for Supporting Multi-Sensory Impairment”, Journal of Technology, National Taiwan University of Science and Technology December 2024. <https://doi.org/18.15001/JOT.2024/V12I10.24.779>.
Indexing: Scopus.
22. Anbarasan Baluchamy, T. Rajkumar, P. Soundar Rajan, **J. Venkatesh**, “Effect of Methylester and Diesel Blends on Engine Evaluation in Real World Driving Conditions”, International Journal of Vehicle Structures and Systems, Vol. 16 No. 4, December 2024. <https://doi.org/10.4273/ijvss.16.4.17>. *Indexing: Scopus.*
23. Kumar, G. Pranay ; Sashikkumar, MC ; **Krishnakumar, S.** ; Kumar, N. Dharani ; Kalaivanan, P. ; Gupta, Sheifali ; Vivek, S, “Sonolysis Enhanced Sulphate Radical Oxidation System For Effective Contaminant Removal In Industrial Park Wastewater”, Oxidation Communications, 47(4), 900 – 908, December 2024. *Indexing: Scopus.*
24. E. Kungumaraj., Suganya . R, Kousalya . S, Senthilkumar. L, Lathanayagam .E, and Priya. K.M. “Mathematical Modelling of Hepatitis C with Fuzzy Nano Topological Spaces.” SSRN Electronic Journal, 2025. <https://doi.org/10.2139/ssrn.5091619>.
Indexing: Scopus.

Books Published

1. **Mr.R. Govindaraj**, “The React Blueprint: Build Your Way from Beginner to Pro”, Amazon, ASIN: B0DS9K4JBS.
2. **Mrs. M. Masilamani**, Mrs. T. T. Nandini Devi, Dr. M. Pushpa, Ms. T. R. Priyadharshini and Mrs. R. Latha, “Data Mining And Data Warehousing: Principles & Practical Techniques”, Priyam Publications, ISBN: 978-81-983281-6-8.

RESEARCH PUBLICATIONS

Book Chapters Published

1. Arockia Christopher, A. B., **M. Sivakumar**, A. S. Muthanantha Murugavel, S. Priyatharsini, J. Angeljuliee, and P. Revathi. "Refined RSA Encryption Algorithm to Safeguard Privacy in Healthcare Data." In Innovations in Cybersecurity and Data Science, edited by Syed Muzamil Basha, Hamed Taherdoost, and Cleber Zanchettin, 271–82. Algorithms for Intelligent Systems. Singapore: Springer Nature Singapore, 2024. https://doi.org/10.1007/978-981-97-5791-6_21.
2. **Devipriya, C.**, G. Nandan, K. Yuvaraaj, and E. Ranjith. "Synthetic Data Generation for Business and Medicine With AI and Quantum Networks." In Advances in Computational Intelligence and Robotics, edited by Christo Ananth, Osamah Ibrahim Khalaf, and Jose Anand, 383–400. IGI Global, 2024. <https://doi.org/10.4018/979-8-3693-8135-9.ch023>.
3. **Janani, D., S. Ramakrishnan**, V. Rithanya Priya Dharshini, R. Niranjana, and K. Keerthikaa. "Predicting Chronic Kidney Disease Stages Through Ensemble Machine Learning Techniques." In Advances in Data and Information Sciences, edited by Shailesh Tiwari, Munesh C. Trivedi, Mohan L. Kolhe, and Brajesh Kumar Singh, 1127:311–20. Lecture Notes in Networks and Systems. Singapore: Springer Nature Singapore, 2024. https://doi.org/10.1007/978-981-97-7360-2_27
4. **Kalaivani, P., S. Ramakrishnan**, S. J. Nithesh, A. Jayapradeep, and Vaishag S. Menon. "User Segmentation with RFM Analysis and K-Means Clustering for Play Store Database via Machine Learning." In Advances in Data and Information Sciences, edited by Shailesh Tiwari, Munesh C. Trivedi, Mohan L. Kolhe, and Brajesh Kumar Singh, 1127:241–53. Lecture Notes in Networks and Systems. Singapore: Springer Nature Singapore, 2024. https://doi.org/10.1007/978-981-97-7360-2_21.
5. **Meenachi, L.**, K. T. S. Vijayaragavan, A. Deepak, and T. Roshan Karthick. "AI Mapping for Rapid Disaster Assessment." In Advances in Data and Information Sciences, edited by Shailesh Tiwari, Munesh C. Trivedi, Mohan L. Kolhe, and Brajesh Kumar Singh, 1127:289–98. Lecture Notes in Networks and Systems. Singapore: Springer Nature Singapore, 2024. https://doi.org/10.1007/978-981-97-7360-2_25.
6. **Rajan, Sherine Jenny, and Sudhakar Radhakrishnan**. "VLSI Implementation of Secured S-Box Design for Light-Weight Block Ciphers in Low Area Applications." In Proceedings of International Conference on Intelligent Vision and Computing (ICIVC 2023), edited by Apu Kumar Saha, Harish Sharma, and Mukesh Prasad, 20:84–93. Proceedings in Adaptation, Learning and Optimization. Cham: Springer Nature Switzerland, 2024. https://doi.org/10.1007/978-3-031-71391-0_7.

RESEARCH PUBLICATIONS

Book Chapters Published

7. **Rajeshwari, K. C. Raja, S. Dharani, and K. R. Gokul Anand.** "Design of Dual-Band Funnel-Shaped Microstrip Patch Antenna with Excitation Arms for 3–30-GHz RFID Application." In Proceedings of the 1st International Conference on Recent Advancements in Materials Science and Technology, Volume I, edited by P. Sakthivel, Mangalaraja Ramalinga Viswanathan, and K. Ravichandran, 414:413–20. Springer Proceedings in Physics. Cham: Springer Nature Switzerland, 2024. https://doi.org/10.1007/978-3-031-69970-2_32.
8. Ruban, S., S. Prabagar, **C. Moorthy**, J. P. Manimozhi, M. Robinson Joel, and G. Manikandan. "Making Clinical Decisions to Treat Patients by Using Health Information Technology." In Advances in Healthcare Information Systems and Administration, edited by Ben Othman Soufiene and Chinmay Chakraborty, 87–112. IGI Global, 2024. <https://doi.org/10.4018/979-8-3693-6294-5.ch004>.
9. **Sathya, S. Ponni Alias**, Oruganti Jagadeesh Naidu, S. Sanjay, and V. Saravanan. "The Efficient Prediction of Diseases Using Machine Learning Algorithm." In Advances in Data and Information Sciences, edited by Shailesh Tiwari, Munesh C. Trivedi, Mohan L. Kolhe, and Brajesh Kumar Singh, 1127:321–30. Lecture Notes in Networks and Systems. Singapore: Springer Nature Singapore, 2024. https://doi.org/10.1007/978-981-97-7360-2_28.
10. **Sathya, S. Ponni Alias**, S. S. Muhammed Safwan, T. A. Archuthan, and S. Yogeshwar. "Revolutionizing Indian Elections: Introducing Blockchain to Ballot Based Voting." In Advances in Data and Information Sciences, edited by Shailesh Tiwari, Munesh C. Trivedi, Mohan L. Kolhe, and Brajesh Kumar Singh, 1127:277–88. Lecture Notes in Networks and Systems. Singapore: Springer Nature Singapore, 2024. https://doi.org/10.1007/978-981-97-7360-2_24.
11. **Shanmugapriya, A., S. Parveen, N. Chithra**, G. Kalaiarasi, and S. Govindarajan. "Synthesis, Thermal Reactivity, and Antioxidant Activity of Aminoguanidinium Benzene Tricarboxylates." In Proceedings of the 1st International Conference on Recent Advancements in Materials Science and Technology, Volume I, edited by P. Sakthivel, Mangalaraja Ramalinga Viswanathan, and K. Ravichandran, 414:135–47. Springer Proceedings in Physics. Cham: Springer Nature Switzerland, 2024. https://doi.org/10.1007/978-3-031-69970-2_11.

RESEARCH PUBLICATIONS**Conference Publications**

1. A, Balamaniandan, Jalendiran J, **Saravanakumar M**, Sakthivel, Venkataramanaiah N, and Ankala Satya Prabha. "Home Automation Using Cloud and IOT." In 2024 10th International Conference on Electrical Energy Systems (ICEES), 1–5. Chennai, India: IEEE, 2024. <https://doi.org/10.1109/ICEES61253.2024.10776822>.
2. Mohanraj, B, S M Suba, C R Subiksha, Paramesh Sumithra Sree, M Priya, and **R Prabhu**. "Facilitating Seamless Communication through Voice-Enhanced Sign Language and Gesture Recognition with Random Forest Classifier and Graph Convolution Networks." In 2024 2nd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS), 1101–8. Erode, India: IEEE, 2024. <https://doi.org/10.1109/ICSSAS64001.2024.10760461>.
3. Musthafa, A. Syed, R. Sujatha, **P. Jessie**, **R. Mithuna**, R. Mekala, and A. Vijay. "A Python Based Machine Learning Framework for Eye Blink Detection with BlueEye Technology." In 2024 International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS), 1516–21. Bengaluru, India: IEEE, 2024. <https://doi.org/10.1109/ICICNIS64247.2024.10823324>.
4. R, Ramesh, **Dharani S**, **Gokul Anand K R**, Vakula V, and Sree Vidhya S. "RFID-Based Automatic Mask Dispensing System Using IoT." In 2024 3rd International Conference on Automation, Computing and Renewable Systems (ICACRS), 537–41. Pudukkottai, India: IEEE, 2024. <https://doi.org/10.1109/ICACRS62842.2024.10841649>.
5. Ramani, U., J Rini Angeline **Vinshia**, **T. Manjula**, G. G. Sreeja, S. Abirami, and M. Thilagaraj. "Design and Implementation of an IoT Enabled Bionic Arm Gesture Control Robot Using Embedded System." In 2024 5th International Conference on Data Intelligence and Cognitive Informatics (ICDICI), 252–55. Tirunelveli, India: IEEE, 2024. <https://doi.org/10.1109/ICDICI62993.2024.10810908>.
6. Reetha, P. Roy Sudha, S Joseph, N. Pandeewari, **R Anitha**, and S. Jebarose Juliyana. "An Improved Energy Management Model for IoT Devices Using Deep Learning." In 2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT), 1–6. Kamand, India: IEEE, 2024. <https://doi.org/10.1109/ICCCNT61001.2024.10724146>.

RESEARCH PUBLICATIONS

Conference Publications

7. Shanmugapriya, A., A. Sangeetha Devi, **M. Gomathi**, and G. Kiruthika. "Adaptive Voltage Regulation System with GSM Integration and Enhanced Disaster Mitigation Strategies." In 2024 8th International Conference on Electronics, Communication and Aerospace Technology (ICECA), 68–74. Coimbatore, India: IEEE, 2024.
<https://doi.org/10.1109/ICECA63461.2024.10800902>.





Dr. MAHALINGAM
 COLLEGE OF ENGINEERING AND TECHNOLOGY
 Udumalai Road, Pollachi, Coimbatore District 642003
 Estd. 1998 | AICTE Approved | Affiliated to Anna University
 An Autonomous Institution
 NAAC A++ GRADE
 Cycle 3 (2023-2030)
 The Highest Grade

Office of Dean
 Research & Innovation

Congratulations





GOVINDARAJ R

AUTHOR



Mr. R. GOVINDARAJ
 Assistant Professor
 Information Technology



ASIN : B0DS9K4JBS





Dr. MAHALINGAM
 COLLEGE OF ENGINEERING AND TECHNOLOGY
 Udumalai Road, Pollachi, Coimbatore District 642003
 Estd. 1998 | AICTE Approved | Affiliated to Anna University
 An Autonomous Institution
 NAAC A++ GRADE
 Cycle 3 (2023-2030)
 The Highest Grade

Office of Dean
 Research & Innovation

Congratulations





Ms. M. Supriya
 Dr. C. Jeevanantham | Sri Rashini R
 Anandhi Kathiresan | Dr T. Manjula

Author

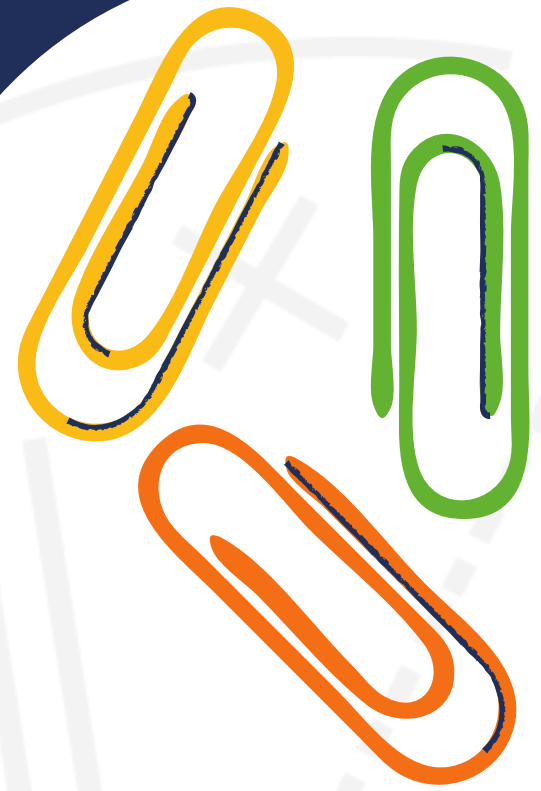


Dr. C. Jeevanantham
 Assistant Professor (SS)
 Information Technology

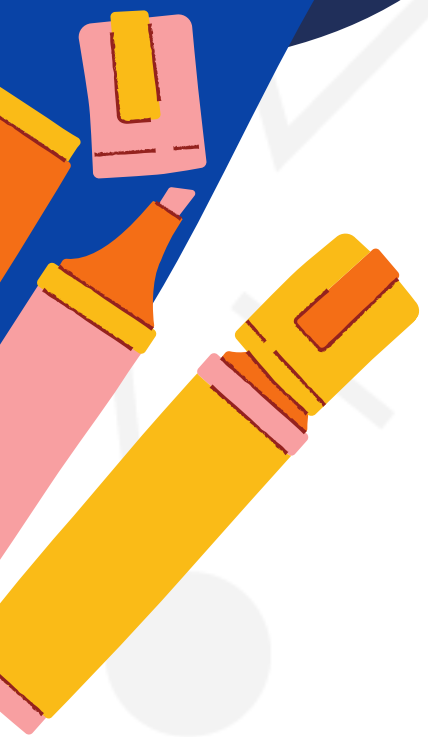


ISBN : 978-81-982146-8-3





CONSULTANCY ACTIVITIES CARRIED OUT



CONSULTANCY ACTIVITIES CARRIED OUT

S. No.	Name of the Faculty/Consultants	Date	Department	Name of consultancy Project/CorporateTraining Program	Consulting/Sponsoring Agency	Revenue Generated in Rs.
1.	Dr. K. Srinivasan, Mr. M. Sudharsanan& Mr. A. Manikandan	18-02-2025	Civil Engineering	Consultancy charges received towards testing of Bricks & Fly Ash Bricks.	M/s. SKS Groups, KVK Complex, Negamam Old Bus Stand,Pollahci	6000
2.	Dr. K. Srinivasan& Mr. M. Sudharsanan			Consultancy charges received towards material test for the work of construction of retaining wall and foot path work.	The Commissioner , Valparai Municipality, Coimbatore	3000
3.	Dr. Mariappan& Mr. A. Manikandan	08-02-2025		Testing charges for Cube test M30 Grade on 05.02.25.	Contriad Infra LLP	1000
4.	Dr. K. Srinivasan& Mr. M. Sudharsanan	08-01-2025		Charges received towards Design proof checking - Retaining Wall	The Commissioner, Pollachi Municipality, Pollachi.	4500





CITATIONS

CITATIONS

DR.MAHALINGAM

MCET

COLLEGE OF ENGINEERING AND TECHNOLOGY

Enlightening Technical Minds

Dr.Mahalingam College of Engineering and Technology

Faculty Profiles

A Library Initiative

Faculty / Scientist

Faculty / Scientist

216

Principal

1

Dean

1

Head of the Department

2

Professor

8

Scholarly Resources

Publications

1214

Patents

45

458

89

19

5

Closed Access

Gold OA

Bronze OA

Green OA

Journal Articles

771

Conference / In Proceedings

240

Resources Impact

Impact

9170

Citations

6415

Citations

Departments

Central Library

(2)

CSE

(1)

Department of Artificial Intelligence and Data Science

(11)

Department of Automobile Engineering

(14)

Department of Civil

(13)

Top ten Profiles

Dr Saravanakuma Balakrishnan

Associate Professor

71 Publications

1 Projects

1171

1808

View Profile

Publications

Interconnected V 2 O 5 Nanoporous Network for High...

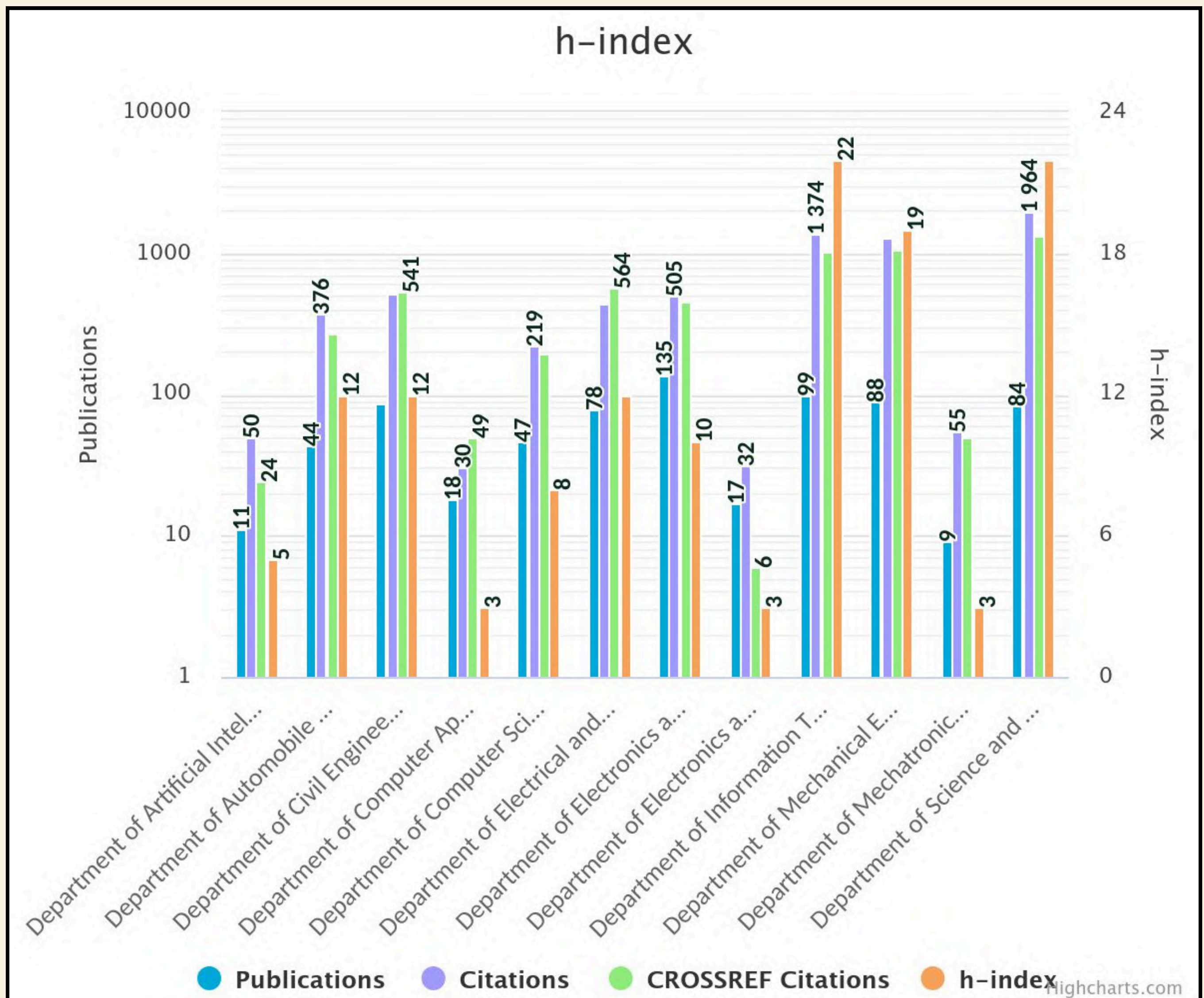
Author: Saravanakumar B.;Purushothaman K.K.;Muralidharan G.

293 Citation

430 Citation

Environment friendly

CITATIONS



Google Scholar

Dr.Mahalingam college of engineering and technology

Profiles

My

Dr.S.Ramakrishnan

Dean- Research & Innovation, Dr.**Mahalingam College of Engineering and Technology**
Verified email at drmcet.ac.in

Texture Classification Image Watermarking Image Encryption Wavelets SVD

Cited by 2639

B. Saravanakumar

Materials Research Laboratory, Dr. **Mahalingam College of Engineering and Technology**
Verified email at drmcet.ac.in

Energy storage materials and d...

Cited by 2118

Dr. T. RamKumar

Dr.**Mahalingam College of Engineering and Technology**
Verified email at drmcet.ac.in

Powder Metallurgy Nano Composites Surface **Engineering** Tribology Corrosion

Cited by 1544

CITATIONS

AD

Scientific Index 2025

Scientist Rankings

University Rankings


Subject Rankings

Country Rankings

* Total H Index Rankings

Rankings

 287,241

 6,931

 1

Ranking Based On
Selection: 2



S Ramakrishnan

Dr Mahalingam College of Engineering and Technology Coimbatore, India

Metrics

H-Index

28

i10-Index


54


Citation Counts

2,580

* Total H Index Rankings

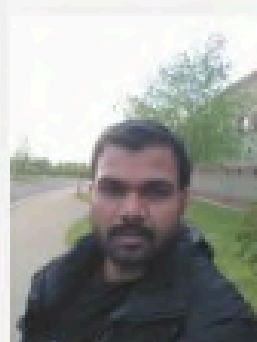
Rankings

 382,356

 10,409

 2

Ranking Based On
Selection: 3



B Saravanakumar

Dr Mahalingam College of Engineering and Technology Coimbatore, India

Metrics

H-Index

23

i10-Index


36


Citation Counts

2,064

* Total H Index Rankings

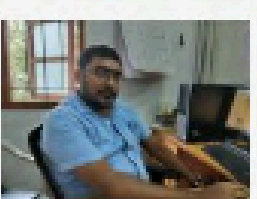
Rankings

 435,527

 12,548

 3

Ranking Based On
Selection: 4



T RamKumar

Dr Mahalingam College of Engineering and Technology Coimbatore, India

Metrics

H-Index

21

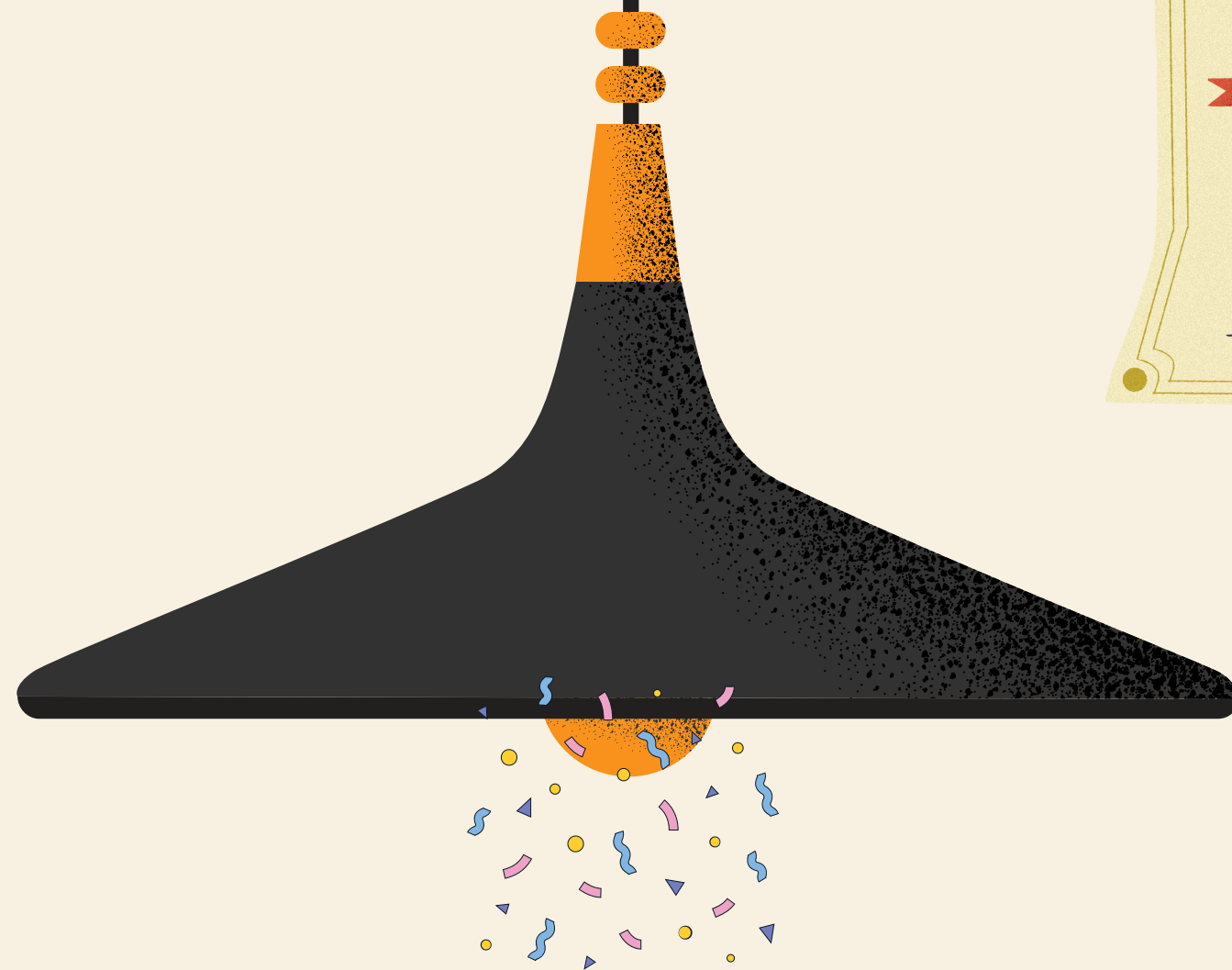
i10-Index

37

Citation Counts

1,477





PH.D.SCHOLARS & SUPERVISORS



MCET



PH.D.SCHOLARS & SUPERVISORS

Research Particulars	Count
Number of Research centres	7
Number of Supervisors	45
Number of Completed Scholars	98
Number of Ongoing Scholars	148

Details of Ph.D. Supervisors as on FEB 2025

S.No.	Name of the Department	No. of Supervisors
1.	Information Technology	4
2.	Computer Science and Engineering	4
3.	Electrical and Electronics Engineering	9
4.	Electronics and Communication Engineering	5
5.	Electronics Engineering (VLSI Design & Technology)	1
6.	Mechanical Engineering	7
7.	Automobile Engineering	4
8.	Civil Engineering	2
9.	Artificial Intelligence and Data Science	1
10.	Artificial Intelligence and Machine Learning	1
11.	Master of Computer Applications	1
12.	Science and Humanities	6
Total No. of Supervisors		45

PH.D.SCHOLARS & SUPERVISORS

Details of Ph.D. Completed Scholars as on FEB 2025

S.No.	Name of the Department	No. of Completed Scholars
1.	Automobile Engineering	4
2.	Civil Engineering	5
3.	Mechanical Engineering	11
4.	Mechatronics	1
5.	Information Technology	12
6.	Computer Science and Engineering	10
7.	Artificial Intelligence and Machine Learning and Cyber Security	2
8.	Master of Computer Applications	3
9.	Electronics and Communication Engineering	11
10.	Electrical and Electronics Engineering	21
11.	Electronics and Instrumentation Engineering	2
12.	Science and Humanities	16
Total		98

Congratulations!!!



Anna University
Recognized
Supervisor

Dr.J.Bhavithra
Assistant Professor(SG)
Department of Computer
Science & Engineering
Dr.MCET

Ref. No.:4540004
Area of Specialization: Machine
Learning, Optimization Techniques,
Computer Networks



Pg.No.52

Review Meetings - Ph.D. Scholars
Half Yearly Progress Presentation Schedule of MCET ongoing
Ph.D. Scholars
Academic Year : 2024-2025

Venue: R&I Conference Hall

Date:

Review Committee Members:

17.2.2025 to 22.2.2025

- Dean - Research & Innovation
- HoD of the Scholar
- Supervisor of the Scholar (if Internal)

No. of Participants: 94

S.No.	Department	Count
1.	Automobile Engineering	7
2.	Mechanical Engineering & Mechatronics	8
3.	Civil Engineering	8
4.	Information Technology	12
5.	Artificial Intelligence and Data Science	4
6.	Artificial Intelligence and Machine Learning & Cyber Security	6
7.	Computer Science and Engineering	16
8.	Electronics and Communication Engineering	11
9.	Electrical and Electronics Engineering	11
10.	Electronics and Instrumentation Engineering	2
11.	Science and Humanities	9
Total		94



AWARDS & RECOGNITIONS



AWARDS & RECOGNITIONS



Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)



Office of Dean - Research & Innovation

Congratulations!!!



SWAYAM - NPTEL recognizes



Dr. Mahalingam College of Engineering and Technology

as a valuable Local Chapter with a rating of

"A"



based on performance in NPTEL Online certification Courses

Jul-Dec 2024



SPOC-NPTEL
Dr.D.Balamurugan
Librarian



MCET RATING IN NPTEL

(among 1000 institutions)

Jan-Jun 2024 : 600 - 700

Jul-Dec 2024 : 100 - 200



Keep learning, keep growing!

AWARDS & RECOGNITIONS

Office of Dean Research & Innovation

Congratulations

**MCET Has Been Selected to Establish
AICTE - IDEA LAB**



Chief Mentor
Dr. P. Govindasamy
Principal



MCET **DR. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

CONGRATULATIONS



**Successfully
Qualified as
"PATENT AGENT"
by Government
of India**


Dr.S.Ramakrishnan
DEAN - R & I

**"This prestigious recognition
is a testament to your exceptional
expertise"**

MCET **DR. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

Office of Dean - Research & Innovation

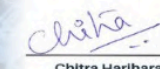
Hearty Congratulations

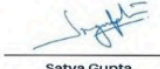


Dr.K.N.Vijeyakumar
Professor & Head - VLSI

**For being nominated as a Member of the
Executive Council of the VLSI Society of India's
Tamil Nadu Chapter for the year 2025**

CERTIFICATE OF APPRECIATION
Dr.K.N.Vijeyakumar
Dr. Mahalingam College of Engineering and
Technology, Pollachi
has been nominated as a member of the Executive Council of
the VLSI Society of India's Tamil Nadu Chapter (VSI-TN)
for the year 2025.

 Chitra Haritharan
Secretary, VLSI Society of India

 Satya Gupta
President, VLSI Society of India

AWARDS & RECOGNITIONS

MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

Office of Dean - Research & Innovation
Hearty Congratulations



Coordinator
Dr. N. Natarajan
Professor - Civil



Co-coordinator
Mr. P. S. Sathish Kumar
Asst. Prof (SS) - Civil

For successful conduction of the AICTE ATAL FDP with a grant of Rs.3,50,000

FDP Title:
Artificial Intelligence and Machine Learning in Civil Engineering

AICTE
All India Council for Technical Education

MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

Office of Dean - Research & Innovation
Hearty Congratulations



Dr. S. V. Gurupranees
Assistant Professor - MECH
Institute level IPR - R & I Coordinator

Received a grant of Rs.31,500/- for submission of 7 Patents from AICTE under KAPILA Scheme for the AY 2024-25

कपिला - KAPILA
कलाम बौद्धिक संपदा साक्षरता और जागरूकता अभियान

AICTE
All India Council for Technical Education

MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003

Office of Dean Research & Innovation
Congratulations

MCET In House R&D Seed Money Project & EEE Student Project

Published a Paper in ACS Journal Sustainable Resource Management

Authors



Dr. J. Johnson William
AP / Physics (S&H)



Dr. L. Chitra
ASP / EEE & HoD/ S&H



Dr. B. Saravanakumar
ASP / Physics (S&H)

Students: K. Vignesh, P. Rathinешwaran, and T. Praveen Kumar
2020 Batch

MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

Office of Dean Research & Innovation
Congratulations

Published a Paper in Scopus Indexed Journal



Mr. T. Vijayakumar
Assistant Professor
Artificial Intelligence & Machine Learning

Communications on Applied Nonlinear Analysis
International Publications

AICTE
All India Council for Technical Education

MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

Office of Dean Research & Innovation
Congratulations

Published a Paper in SCIE Journal



Mr. C. Radhakrishnan
Assistant Professor (SS)
Department of Automobile Engineering

Biomass Conversion and Biorefinery
Springer Publication
Impact Factor - 3.5

AICTE
All India Council for Technical Education

MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

Office of Dean Research & Innovation
Congratulations

Published a Paper in Scopus Indexed Journal



Ms. G. Uma Maheshwari
Assistant Professor
Computer Science and Engineering

International Journal of Bioinformatics Research and Applications
Linking academia, business and industry through research

AICTE
All India Council for Technical Education

AWARDS & RECOGNITIONS

**Office of Dean
Research & Innovation**

Congratulations

Published a Paper in
SCIE Journal

Dr. S. V. Guruprakesh
Assistant Professor
Mechanical Engineering

Dr. N. Bala Murali
Assistant Professor
Mechanical Engineering

**Environmental Quality Management
WILEY Publication
Impact Factor - 1.6**

Dr. M. Jayaraj
Assistant Professor (SO)
Mechanical Engineering

Dr. S. Ayyappan
Associate Professor
Mechanical Engineering

Dr. N. Shanmuga Sundaram
Assistant Professor (SO)
Mechanical Engineering

Mr. K. Vijayakannan
Assistant Professor (SO)
Mechanical Engineering

Congrats!

Office of Dean Research and Innovation

Certificate of Copyright

Title
Workbook on "Introduction to Big Data"

Register No : L-160034/2025

INVENTORS

Dated: 28.01.2025

Ms.S.C.Lavanya
AP(SS)/CSE

Ms. B. Suganya
AP(SS)/CSE

Mr.P.Boopathi Rajan
AP(SS)/CSE

Dr. A. Noble Mary Juliet
Associate Professor/CSE

**Office of Dean
Research & Innovation**

Congratulations

Published a Paper in
Q1 Journal

Mr. R. Karthick
Assistant Professor (SS)
Department of Computer Science
& Engineering

**Scientific Reports
Nature Publishing Group
Impact Factor - 3.8**

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011

Office of Dean - Research & Innovation

PROUD ACHIEVEMENT

**Qualified
NATIONAL LEVEL ELIGIBILITY TEST (NET)
in English with 90.02 Percentile
December 2024**

Ms.D.Nivetha, AP/English

Success starts with courage and perseverance

Ministry of Education
Government of India

MoE's INNOVATION CELL
(GOVERNMENT OF INDIA)

SBI FOUNDATION
Service Beyond Banking

SMART INDIA HACKATHON 2024

College SPOC

Certificate

This Certificate is awarded to
BOOPATHI RAJAN P

for exceptional contribution as a college SPOC in Smart India Hackathon, 2024

Shri Sanjay Kumar
Secretary,
Department of School Education & Literacy,
Ministry of Education

Prof. T. G. Sitharam
Chairman, AICTE
Ministry of Education

Dr. Abhay Jere
Vice Chairman, AICTE &
Chief Innovation Officer (CIO),
Ministry of Education

Evaluation Partner
TCS

Platform Partner
I2S

Learning Partner
TutorialsPoint

AWARDS & RECOGNITIONS

Congratulations! **MCET**
Dr. MAHALINGAM
COLLEGE OF ENGINEERING & TECHNOLOGY
EDUCATE ENRICH EQUIP EMPOWER

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

TITLE : ELECTRIC ALL-TERRAIN VEHICLE ROLL CAGE

Design No. : 431367-001

Mr.V.Tamilarasan
AP/Auto

Dr.D.Shanmugam
Prof.&HoD/Auto

Mr.R.Vishnurameshkumar
AP(SS)/Auto

Mr.M.Mahendran
AP/Auto

Mr.M.Ponmurugan
AP(SS)/Auto

Mr.R. Mahalingam
AP/Auto

Mr.K.Bavithran
Student -III/Mech

Mr.Y.A. Pughalarasan
Student -IV /Auto

Patented

Illuminating Discoveries

Congratulations! **MCET**
Dr. MAHALINGAM
COLLEGE OF ENGINEERING & TECHNOLOGY
EDUCATE ENRICH EQUIP EMPOWER

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

Design No. : 431344-001

Ms.M.Gomathi
Assistant Professor
Department of Computer Science and Engineering

SMART CYBER SECURITY ANALYTIC DEVICE

Patented

Illuminating Discoveries

Congratulations! **MCET**
Dr. MAHALINGAM
COLLEGE OF ENGINEERING & TECHNOLOGY
EDUCATE ENRICH EQUIP EMPOWER

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

Design No. : 428379-001

Ms.A.Saranya
Assistant Professor/Maths
Department of Science and Humanities

SMART TELEMATICS SYSTEMS FOR ENHANCED VEHICLE COMMUNICATION

Patented

Illuminating Discoveries

Congratulations! **MCET**
Dr. MAHALINGAM
COLLEGE OF ENGINEERING & TECHNOLOGY
EDUCATE ENRICH EQUIP EMPOWER

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

TITLE : DOUBLE VACUUM BLOWER FOR CLEANING COIR PITH BLOCKS

Design No. :422509-001

Inventors

Dr.M.Jayaraj
AP(SG)-Mech

Dr.N.Shanmuga Sundram
AP(SG)-Mech

Mr.K.Vijayakannan
AP(SS)-Mech

Patented

Illuminating Discoveries

Congratulations! **MCET**
Dr. MAHALINGAM
COLLEGE OF ENGINEERING & TECHNOLOGY
EDUCATE ENRICH EQUIP EMPOWER

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

TITLE : INTERNET OF THINGS BASED DEVICE TO MEASURE WEIGHT AND CALORIE OF FOOD ITEMS

Design No. :430020-001

Inventors

Dr.S.Ponni Sathya
ASP-IT

Dr.S.K.Ashok
AP(SG)-Auto

Mr.T.Vijayakumar
AP-AI&ML

Patented

Illuminating Discoveries

Congratulations! **MCET**
Dr. MAHALINGAM
COLLEGE OF ENGINEERING & TECHNOLOGY
EDUCATE ENRICH EQUIP EMPOWER

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

Design No: 434986-001

Mr.J.Dinesh Kumar
Assistant Professor
Dept. of Mechanical Engineering

TITLE: SPLIT CASING HIGH SPEED PUMP

Patented

Illuminating Discoveries

Congratulations! **MCET**
Dr. MAHALINGAM
COLLEGE OF ENGINEERING & TECHNOLOGY
EDUCATE ENRICH EQUIP EMPOWER

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

Design No. : 424277-001

Mr.J.Divakaran
Assistant Professor(SS)
Department of Electronics and Communication Engineering

IOT BASED SOLAR POWERED AGRICULTURE ROBOT

Patented

Illuminating Discoveries

Congratulations! **MCET**
Dr. MAHALINGAM
COLLEGE OF ENGINEERING & TECHNOLOGY
EDUCATE ENRICH EQUIP EMPOWER

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

TITLE
ARTIFICIAL INTELLIGENCE BASED CERVICAL CANCER SCREENING DEVICE

Design No. : 432207-001

Inventors

Mr.K.Prabhu
AP(SS)

Mr.T.Kanagasabapathy
AP(SS)

Ms.A.Jayalakshmi
AP

Mr.S.Senthilprabhu
AP(SS)

Mr.G.Gayathri
AP

Mr.D.Manojkumar
AP

Department of Computer

Patented

Illuminating Discoveries

Congrats! **MCET**
Dr. MAHALINGAM
COLLEGE OF ENGINEERING & TECHNOLOGY
EDUCATE ENRICH EQUIP EMPOWER

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

Title
"Block chain based medical data storage cloud device"

Design No. : 428699-001

Ms.Uma Maheshwari G
AP/CSE

INVENTOR

DATE OF COMMUNICATION: 17.02.2025

DATE OF ISSUE: 01.10.2024

DATE OF FILING: 29.08.2024

Patented

Illuminating Discoveries

AWARDS & RECOGNITIONS

Congratulations!

Dr. MAHALINGAM
COLLEGE OF ENGINEERING & TECHNOLOGY
EDUCATE ENRICH EQUIP EMPOWER

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

Design No. : 431663-001



Inventor

Ms. R. Mithuna
Assistant Professor
Department of Artificial Intelligence and Machine Learning



Title

SMART WIFI LED CEILING LIGHTS

ILLUMINATING DISCOVERIES



Congratulations!

Dr. MAHALINGAM
COLLEGE OF ENGINEERING & TECHNOLOGY
EDUCATE ENRICH EQUIP EMPOWER

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

TITLE : INTEGRATED TEA MAKER AND BREAD TOSTER DEVICE

Design No. : 429908-001

Inventors



Mr. S. Nachimuthu
AP/Mech



Dr. Balamurali
AP/Mech



Dr. S.V. Gurupranes
AP/Mech



Mr. J. Nagarajan
AP/EEE



M. Lohit
Student-III Mech



Mr. R.S. Sharveshwaran
Student-III Mech



ILLUMINATING DISCOVERIES

Congratulations!

Dr. MAHALINGAM
COLLEGE OF ENGINEERING & TECHNOLOGY
EDUCATE ENRICH EQUIP EMPOWER

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

TITLE: PROCESSING APPARATUS FOR ADVANCED MATHEMATICAL COMPUTATION

Design No. : 432166-001

Inventors



Ms. N. Punitha
AP/Maths



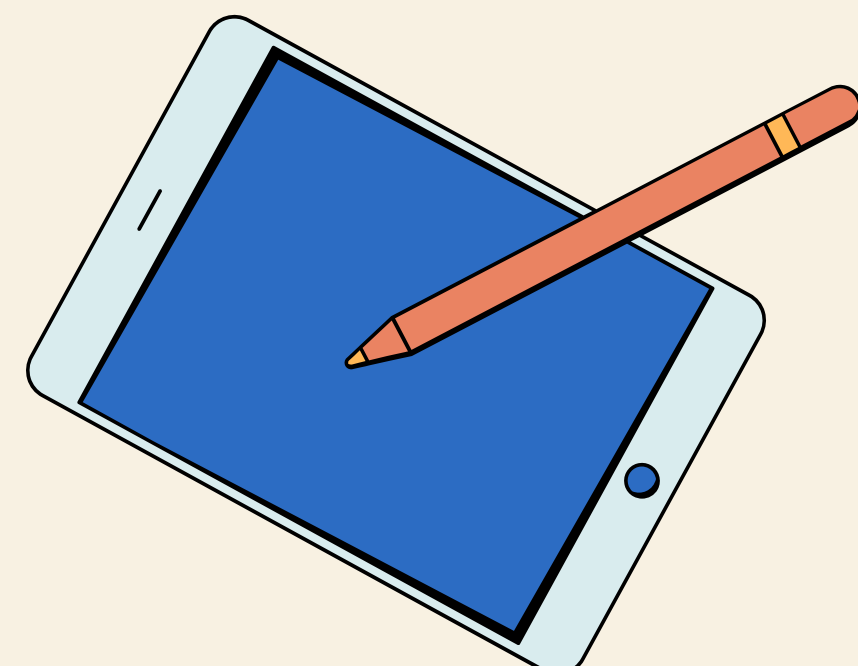
Ms. B. Maheswari
AP/Maths



Ms. R. Nishanthi
AP/Maths



ILLUMINATING DISCOVERIES



AWARDS & RECOGNITIONS

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

Office of Dean - Research & Innovation

Congratulations!!!



**Anna University
Recognized
Supervisor**

Dr. G. Soundarya
Assistant Professor(SG)
Department of Electronics and
Communication Engineering
Dr. MCET

Ref. No.: 4590015
Area of Specialization: RF,
Microwave



Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

Office of Dean - Research & Innovation

Congratulations!!!



**Anna University
Recognized
Supervisor**

Dr. J. Bhavithra
Assistant Professor(SG)
Department of Computer
Science & Engineering
Dr. MCET

Ref. No.: 4540004
Area of Specialization: Machine
Learning, Optimization Techniques,
Computer Networks



Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

Office of Dean - Research & Innovation

**Congratulations for getting Ph.D. admission in Anna
University January 2025 Session**

8 Scholars



Mr. J. Dhyaneswaran
MCET/IT



Mr. D. Manojkumar
MCET/CSE



Ms. J. Santhiya
MCET/CSE



Ms. S. Gayathri
MCET/CSE



Ms. P. Jessie
MCET/AI&ML



Mr. G. Rajamuneeswaran
EBET/CSE



Ms. T. Cowsalya
NIET/IT



Mr. K. Maruthi Venkatesh
KPRIET/Civil

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!

Faculty Achievements in NPTEL

NPTEL ONLINE COURSES JULY - DEC 2024



Dr. P. A. PERIASAMY
Developing Soft Skills and
Personality
Elite+Silver



Dr. S. KRISHNA KUMAR
Accreditation and Outcome
Based Learning
Elite+Silver



R. ANUJA
Building Materials as a
Cornerstone to Sustainability
Elite+Silver



M. VIGNESH
Microelectronics: Devices
to Circuits
Elite+Silver



P. BOOPATHI RAJAN
Ethics in
Engineering Practice
Elite+Silver



T. KANAGASABAPATHY
Ethics in
Engineering Practice
Elite+Silver

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!

Faculty Achievements in NPTEL

NPTEL ONLINE COURSES JULY - DEC 2024



Dr. C. MOORTHY
Introduction to Industry
4.0 and Industrial
Internet of Things
Elite+Silver



Dr. R. S. VENKATESAN
Technical English for
Engineers
Elite+Silver



M. MARIAPPAN
Psychology of
Learning
Elite+Silver



M. SARAVANAKUMAR
Introduction to Internet
of Things
Elite+Silver



N. KARTHIKEYAN
Intellectual Property
Disputes: Court Practices
and Enforcement
Elite+Silver



V. GURUNATHAN
Mathematics for
Machine Learning
Elite+Silver

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!

Students Achievements in NPTEL

NPTEL ONLINE COURSES JULY - DEC 2024

Programming in Java



A. K. Parthasarathy
727622BEE094
Topper of 1%
Elite+Silver



V. Y. Bhavadharani
727623BCS044
Topper of 5%
Elite+Silver

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!

Faculty Achievements in NPTEL

NPTEL ONLINE COURSES JULY - DEC 2024



Dr. V. UMADEVI
Technical English for
Engineers
Elite+Silver



V. ARUNADEVI
Soft Skills
Elite+Silver



S. SIVARANJANI
Introduction to Industry
4.0 and Industrial
Internet of Things
Elite+Silver



N. AARTHI
Introduction to Internet
of Things
Elite+Silver



A. MANIKANDAN
Training of Trainers
Elite+Silver



S. NACHIMUTHU
Rapid Manufacturing
Elite+Silver

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!

Faculty Achievements in NPTEL

NPTEL ONLINE COURSES JULY - DEC 2024



Dr. A. NOBLE MARY JULIET
Learning Analytics Tools
Elite+Silver



Dr. S. KRISHNA KUMAR
Performance Traditions
of the Mahabharata in
Tamil Nadu
Elite+Silver



M. VIGNESH
Electronic Systems Design:
Hands-on Circuits and PCB
Design with CAD Software
Elite+Silver



S. DHARANI
Technical English for
Engineers
Elite+Silver



S. R. INDUREKAA
Science, Technology
and Society
Elite+Silver

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!

Faculty Achievements in NPTEL

NPTEL ONLINE COURSES JULY - DEC 2024



Dr. M. KALIAMOORTHY
Electronic Systems Design:
Hands-on Circuits and PCB
Design with CAD Software
Elite



Dr. S. K. ASHOK
Advanced Machining
Processes
Elite



Dr. D. NATHAN
Google Cloud Computing
Foundations
Elite



D. MANOJKUMAR
Big Data Computing
Elite



D. NIVETHA
Psychology of Learning
Elite



B. POORANI
Psychology of Learning
Elite

AWARDS & RECOGNITIONS

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Established in 1988 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!
Faculty Achievements in

NPTEL ONLINE COURSES JULY - DEC 2024

Patent Search for Engineers and Lawyers

Dr.N. NATARAJAN
Elite

S. SYED MASOODHU
Elite

S. DINESHKUMAR
Elite

Big Data Computing

T. SATHYAPRIYA
Elite+Silver

A. JAYALAKSHMI
Elite

G. GAYATHRI
Elite

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Established in 1988 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!

NPTEL DISCIPLINE STAR

Candidate has to be certified in courses of same discipline, completed more than 50 weeks of learning, final score in each subject above 55

Dr.B. Vinoth Kumar

For being recognized as
NPTEL DISCIPLINE STAR
July - December 2024 Certification in
(Computer Science and Engineering)

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Established in 1988 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!

NPTEL MOTIVATED LEARNER

Candidate has to appear in atleast 8 exams in Jan2023 -Jul2024, passed in 75% of courses appeared, atleast one exam in each of the 4 semesters

Dr.M.Kaliamoorthy

For being recognized as
NPTEL MOTIVATED LEARNER
July - December 2024

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Established in 1988 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!

NPTEL MOTIVATED LEARNER

Candidate has to appear in atleast 8 exams in Jan2023 -Jul2024, passed in 75% of courses appeared, atleast one exam in each of the 4 semesters

V. UTHAYA KUMAR
727622BIT094
III YEAR - IT

For being recognized as
NPTEL MOTIVATED LEARNER
July - December 2024

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Established in 1988 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!

TOP PERFORMING MENTORS

G. KEERTHIKA,
AP, IT
Introduction to Industry 4.0 and Industrial internet of things

K C. RAJA RAJESHWARI
AP, ECE
The Joy of Computing using Python

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Established in 1988 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!

TOP PERFORMING MENTORS

Dr. S.V. GURUPRANES,
AP, MECH
Rapid Manufacturing

P.S. SATHISH KUMAR,
AP, CIVIL
Building Materials as a Cornerstone to Sustainability

AWARDS & RECOGNITIONS

Under the expert guidance of **Ms. S. Thilagavathi**, Assistant Professor (Senior Scale), Department of ECE, MCET, a team of second-year ECE students, “**Quantum Dots**” developed an innovative solution aimed at improving road safety.

They secured the 3rd Prize under the Student Category, receiving a cash award of **₹50,000**, at the event held at Sri Krishna College of Engineering and Technology, Coimbatore, on 8th–9th February 2025.

Project title: “**AI-Powered Intelligent Driving Assistant with V2V Communication and Accident Prevention System**” The team members included Arun Dharsaun A, Manoj Venkatesan M, and Kamali Sri D.



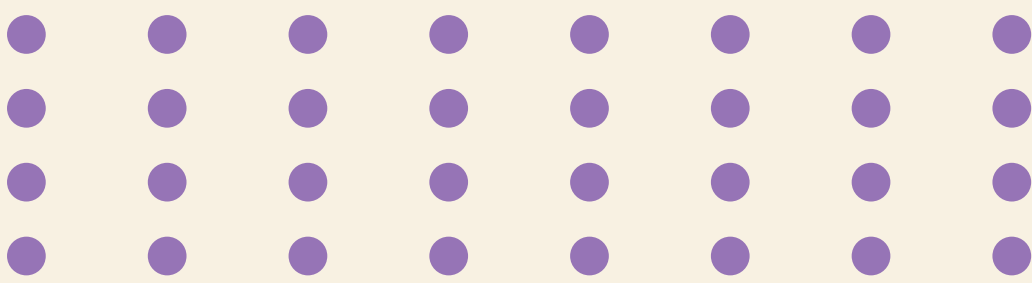
FACULTY AWARDS & RECOGNITIONS

Details of Research Articles Reviewed by the Faculty

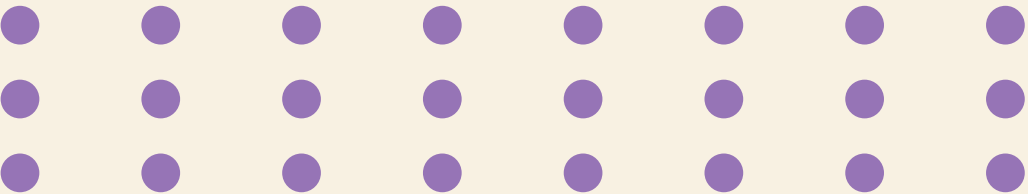
S.No.	DEPARTMENT	NAME OF THE FACULTY	NAME OF THE JOURNAL/ PUBLISHER
1	Information Technology	Dr.S. Ramakrishnan, Dean R&I	IEEE Access
2		Dr.L.Meenachi, HoD, IT	1. Cluster Computing 2. Machine Learning- Springer
3	Automobile Engineering	Dr.K.Sakthivadivel	BP International
4	Electronics & Communication Engineering	R Sherine Jenny	Physica Scripta
5		Dr.G.Soundarya	1. Progress In Electromagnetics Research 2. ICETEA2025 3. Green Revolution in Electronics Engineering and Networks Conference 2025
6	Mechanical Engineering	Dr.T.Ramkumar	1. Journal of Energy Storage 2. Discover Mechanical Engineering 3. Measurement
7	S&H	Dr.P.A.Periasamy	Journal of Physical Chemistry

Participation of Faculty as a Resource Person

S.No.	Name of the Faculty	Topic Delivered in the Event	Venue	Date of the Guest Lecture Program
1	Dr. A.Noble Mary Juliet	Intro to Gen AI & Intro to Deep learning	Department of CSE, Vidya Academy of Science & Technology, Kerala	14.01.2025
2	Dr.G.Soundarya	Metamaterial inspired antenna for biomedical applications	KalaingarKarunanidhi Institute Of Technology	27.12.2024
3		Smart Healthcare: Trends in Telemedicine, Wearable and Healthcare IOT	Study World College of Engineering, Coimbatore	14.02.2025
4	Dr.V.K.Sudha	Designing an outcome based Curriculum, Teaching and Learning Strategies in OBE	Sree Sakthi Engineering College, Coimbatore	04.02.2025
5	Dr. M.Kaliamoorthy	Power Electronic Applications To Electric Vehicles	Ramaiah University Of Applied Sciences, Bangalore	19.12.2024
6	Dr. B.Saravanakumar	Bi- transition Metal Oxide Nanostructures for Supercapacitor Applications	Kongunadu Arts and Science College, Coimbatore	21.02.2025
7	Dr.B.Poorani	Speaking in Harmony: The role of Grammar in effective communication	Sri GVG Visalakshi College for Women, Udumalpet	26.02.2025



R&I INITIATIVES



R&I INITIATIVES

A. RESEARCH & COLLABORATION GROUPS

- 1 Establishing Student Research Council (SRC)
- 2 Establishing Research Interest Groups (RIG)
- 3 Establishing Tech Express Circle (TEC)
- 4 Managing Institution's Innovation Council (IIC)

B. FACULTY & SCHOLAR DEVELOPMENT

- 5 Expanding Research Scholar Enrolment
- 6 Launching Research Faculty Scheme

- 7 Conducting Knowledge Sharing Sessions (KSS) & Organizing Research Seminars
- 8 Facilitating Student Participation in Seminars & Workshops
- 9 Facilitating Faculty for Online NPTEL-Swayam Certifications
- 10 Facilitating Faculty to attend Faculty Development Programmes
- 11 Facilitating faculty to become authorized expert by Govt. agencies to carry out Consultancy Works
- 12 Rewarding Faculty for Research Contributions
- 13 Purchasing R&I Tools for Plagiarism & Grammar Checking
- 14 Facilitating Subscriptions for Printed & E-Journals

C. RESEARCH REVIEW & MONITORING

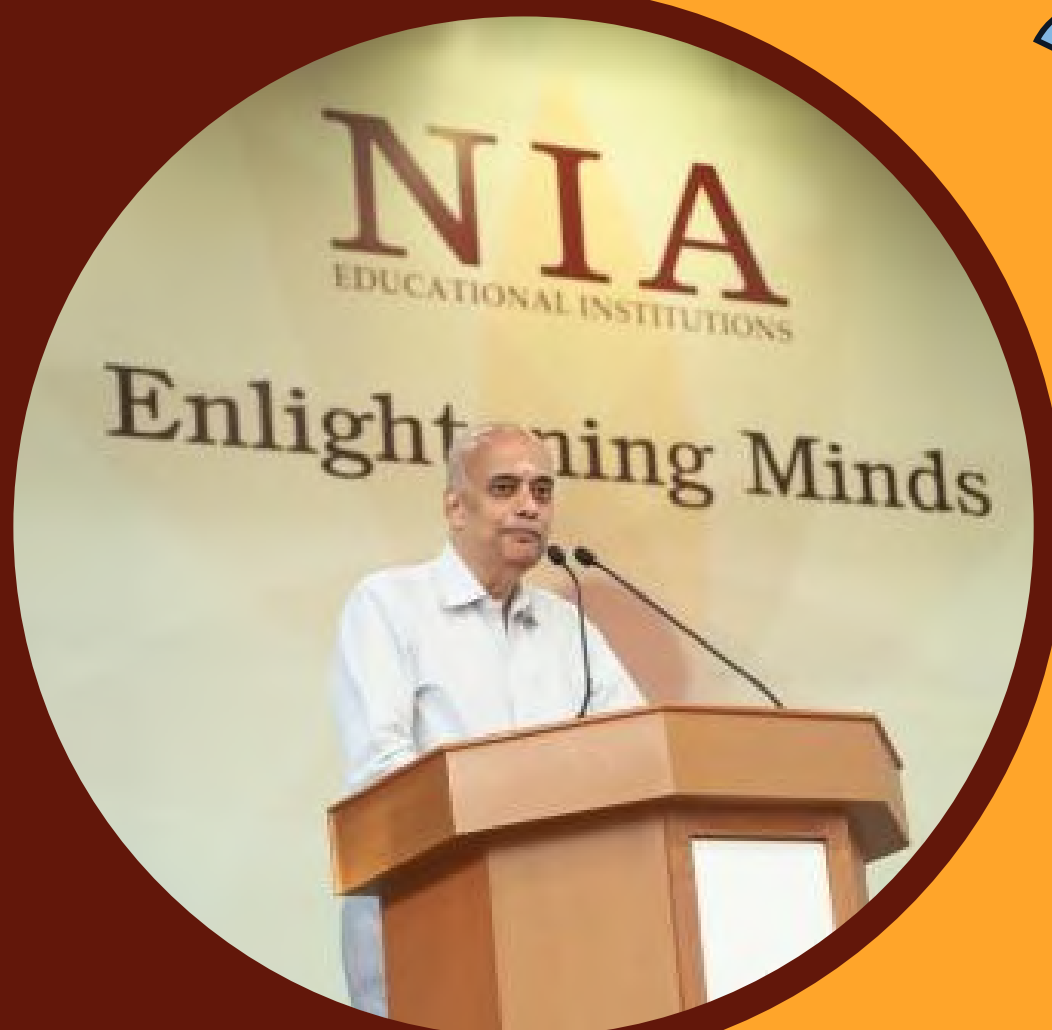
- 15 Periodic Review of Departments' R&I Activities
- 16 Periodic Review of Ph.D. Scholars' Progress
- 17 Periodic Review of Ongoing External & In-house Funded Projects and Consultancy Works
- 18 Coordinating Data Analysis of Research & Professional Practice Parameter of NIRF

D. RESEARCH INCENTIVES & SUPPORT

- 19 Coordinating Cash Incentive Distribution to faculty members for Research Contributions
- 20 Developing In-house talent pool, providing Technical & Financial support for IPR Management
- 21 Identifying & Sanctioning In-house R&D Projects for Faculty members and Students
- 22 Facilitating Revenue Sharing for Consultancy Works

E. RESEARCH COMMUNICATION & PUBLICATION

- 23 Publishing Bi-monthly MCET Research Dashboard
- 24 Updating Research information periodically in institution webpage
- 25 Publishing R&I Newsletter
- 26 Circulating Call for Proposals for external grants
- 27 Publishing Research Process Handbooks
- 28 Developing process flows, templates and forms for various R&I activities
- 29 Creating and Updating IRINS Profile
- 30 Preparing Annual reports for RIG, SRC, KSS and Annual report of R&I activities



CONTACT

**Office of Dean – Research &
Innovation,
Dr. Mahalingam College of
Engineering & Technology,
Udumalai Road,
Pollachi – 642003**

**Email : deanri@drmcet.ac.in /
ramki@drmcet.ac.in**