

Dr. MAHALINGAM



COLLEGE OF ENGINEERING AND TECHNOLOGY

Enlightening Technical Minds

R&I Newsletter Vol.2.Iss.4



Dr. MAHALINGAM COLLEGE OF
ENGINEERING AND TECHNOLOGY

Office of Dean Research & Innovation 2024-25

March 2025- May 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.R&I Budget Review and Proposal****04****2.Driving Research Forward:
External Grant Evaluation Meet****05****3. Strategic Alignment of
Research Interest Groups
through SPOC Model****06****4.Faculty Development
Programme On
“Microsoft Power BI Data
Analyst Associate”****07****5. Celebrating World IP Day:
Insights into Intellectual
Property Rights****09****6. Energy Certification Insights:
Meeting on CEM &
CEA Eligibility and Process****10**

CONTENTS**02****KNOWLEDGE SHARING
SESSIONS CONDUCTED****11****03****ACTIVITIES ORGANIZED
THROUGH RESEARCH
INTEREST GROUP****16****04****DETAILS OF PATENTS
GRANTED/ PUBLISHED/
FILED****25****05****RESEARCH
PUBLICATIONS****30****06****CONSULTANCY
ACTIVITIES CARRIED OUT****39**

CONTENTS**07****CITATIONS****42****08****DETAILS OF Ph.D.
SCHOLARS & SUPERVISORS****47****09****REVIEW MEETINGS -
Ph.D. SCHOLARS****51****10****AWARDS &
RECOGNITIONS****53****11****R&I INITIATIVES****66**

1. R&I Budget Review and Proposal

The Research and Innovation (R&I) Budget Presentation Meeting for the academic year 2025–26 is scheduled on **7th March 2025**. This meeting aims to review the previous year's expenditures, assess the outcomes of funded projects, and strategically allocate resources for upcoming initiatives.



2. Driving Research Forward: External Grant Evaluation Meet

The External Grants Proposal Review Meeting is conducted on **10th March 2025** by the **Dean, Research and Innovation**. The session focuses on evaluating submitted grant proposals for quality, relevance, and funding potential. Emphasis is placed on alignment with institutional research priorities and funding agency guidelines. Constructive feedback is provided to strengthen proposals before final submission.



3. Strategic Alignment of Research Interest Groups through SPOC Model

The **Research Interest Group** – Single Point of Contact (**SPoC**) Meeting is conducted on **12th April 2025** by the **Dean of Research and Innovation**. The meeting focuses on streamlining communication and coordination within research groups through designated single points of contact. Discussions include roles, responsibilities, and effective collaboration strategies. The initiative aims to enhance research productivity and interdepartmental synergy. Clear action plans and follow-up measures are established to ensure accountability and continuity.



4.Faculty Development Programme On “Microsoft Power BI Data Analyst Associate”

The Faculty Development Program on Microsoft Power BI – Data Analyst Associate has been organized by Dr. Mahalingam College of Engineering and Technology in collaboration with Microsoft and ICT Academy. The event has been scheduled from 21st April 2025 to 25th April 2025 at Venue: C-315. It has aimed to enhance faculty members' skills in data analytics and business intelligence using Microsoft Power BI. Mr. Mohamed Fakrudeen M.A., Senior Technical Trainer from ICT Academy, has served as the resource person. The program has provided a valuable platform for faculty to gain hands-on experience in data visualization and analysis.



MCET | **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Established in 1998 • An Autonomous Institution Since 2011
POLLACHI, COIMBATORE - 642 003

Microsoft | ICT ACADEMY

**FACULTY DEVELOPMENT PROGRAM ON
MICROSOFT POWER BI
DATA ANALYST ASSOCIATE**

RESOURCE PERSON
MOHAMED FAKRUDEEN M.A
Senior Technical Trainer
Training and Development ICT Academy
Date: 21.04.2025 to 25.04.2025 Venue: C -315



4. Faculty Development Programme On "Microsoft Power BI Data Analyst Associate"



5. Celebrating World IP Day: Insights into Intellectual Property Rights

The Office of Dean – Research & Innovation has organized a knowledge sharing session on Applications of IPR – Evaluation – Management on **26th April 2025**. The session has been conducted to commemorate World Intellectual Property Day. **Mr. V. Madhan Kumar**, an IP Expert from Coimbatore, has served as the resource person.



DR. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Muralai Road, Pollachi, Coimbatore District 642003
Approved & Affiliated by AICTE, All India Engineering Council
An Autonomous Institution Since 1971
(Approved by MAHARASHTRA GOVT.)



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

Office of Dean – Research & Innovation

Organizes

Knowledge Sharing Session on
"Applications of IPR - Evaluation - Management"



INSTITUTION'S
INNOVATION
COUNCIL
(Affiliated to AICTE)



Resource Person



Mr. V. Madhan Kumar
IP Expert
Coimbatore

Date: 26.04.2025 Time : 10 A.M. Venue: NPT - Hall No: 12

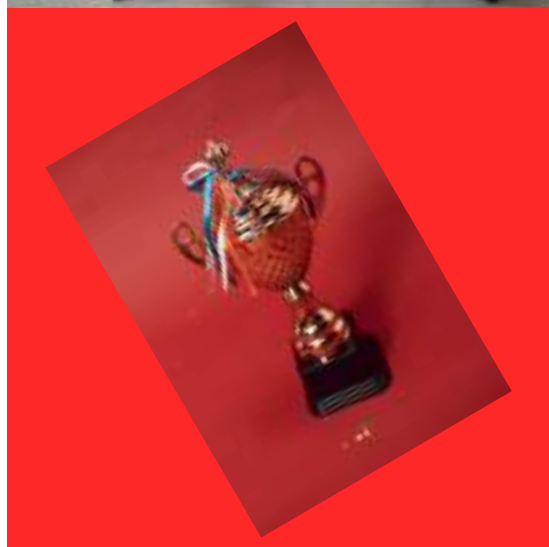
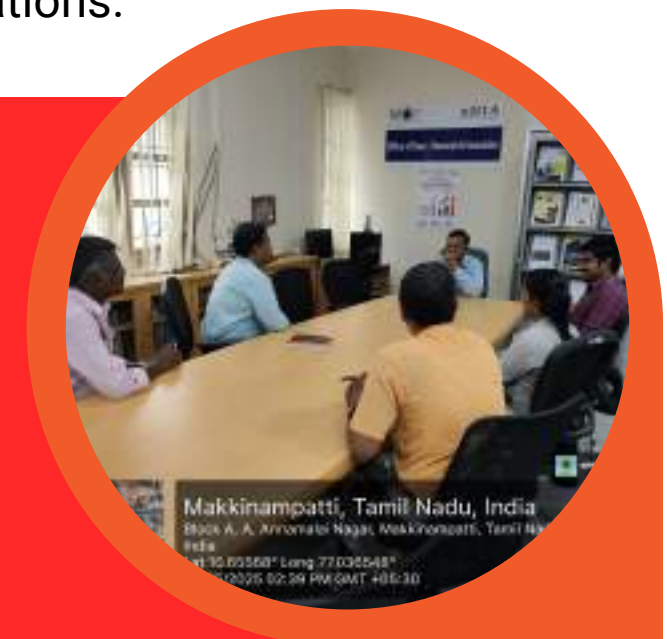
Faculty Coordinators
Mr. Gurunathan V
Assistant Professor (SS) - ECE
Dr. Guruprakash SV
Assistant Professor - MECH

WORLD INTELLECTUAL PROPERTY DAY
26th April
Theme: "IP and Music: Feel the Beat of IP"



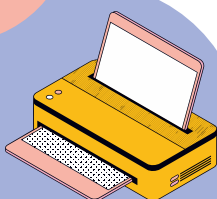
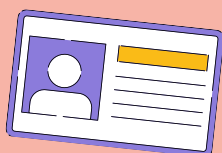
6. Energy Certification Insights: Meeting on CEM & CEA Eligibility and Process

A meeting on the Eligibility Criteria for Certified Energy Managers (CEM) and Certified Energy Auditors (CEA) has been conducted on **22nd May 2025** by the **Dean of Research and Innovation**. The session focused on guiding faculty and professionals about certification requirements, examination structure, and career advantages in the field of energy management. The CEM and CEA exams assess expertise in energy efficiency, with eligibility depending on engineering qualifications and relevant work experience in energy-related operations.





Knowledge Sharing Sessions Conducted



KNOWLEDGE SHARING SESSIONS CONDUCTED

S.No.	Name of the Event	Resource Person	Date & No. of Participants
1	Research Ideas on Alternative Energy Technologies	Dr.Narayanan Ramanujam, Senior Technical Manager, Hexagon, Bangalore	26.04.2025 & 13
2	Research aspects in Networking and Cyber Security	Mr.Ramakrishnan Nataraj, Cyber Security Analyst and Trainer, ERP Next.	27.03.2025 & 13
3	Research Trends using Deep Learning	Dr. Venkatesan M, Associate Professor, Department of Computer Science and Engineering, NIT, Puducherry	14.03.2025 & 36



(3)

(2)

(1)

KNOWLEDGE SHARING SESSIONS CONDUCTED



DR. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Bhansalai 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**



**Energy Engineering & Alternative
Fuels**



Knowledge Sharing Session





Dr. Narayanan Ramanujam
Senior Technical Manager
Hexagon

**Knowledge Sharing Session on " Research ideas on Alternative
Energy technologies"**

26.04.2025 @ 3.30 pm

Venue: A42F- Auto Conference hall

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



KNOWLEDGE SHARING SESSIONS CONDUCTED

MCET **DR. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Bilimela Road, Palani, Coimbatore District 642003
ESTD 1994 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

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. Muthulakshmi AP(SS)/EEE

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



Makkinampatti, Tamil Nadu, India
M23p+f97, Annamalai Nagar, Makkinampatti, Tamil Nadu
642001, India



Makkinampatti, Tamil Nadu, India
Annamalai Nagar, Makkinampatti, Tamil Nadu

KNOWLEDGE SHARING SESSIONS CONDUCTED



MCET **DR. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
(Mannar Road, Pollachi, Coimbatore District 642002)
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution



NAAC A++ GRADE
Cycle 3 (2021-2030)
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.Sunathi, AP(SS)/IT

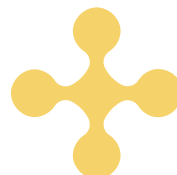
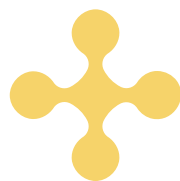
All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



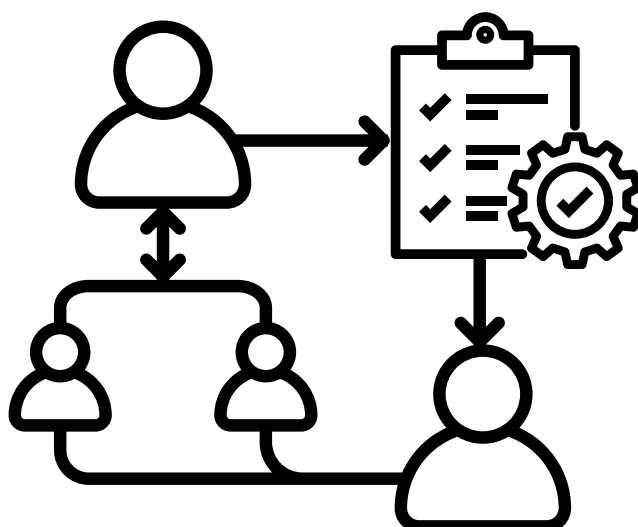


ACTIVITIES ORGANIZED THROUGH RESEARCH INTEREST GROUP



ACTIVITIES ORGANIZED THROUGH RESEARCH INTEREST GROUP (RIG)

S.No.	Title	Name of the Resource Person (MCET Faculty Members)	Date
1	Histogram equalization for Image Enhancement using Medical Images	Dr.J. Thimmiaraja Assistant Professor (SS) / IT	29/05/2025
2	Data Security using Machine Learning Techniques	Mr.T. Vijayakumar Assistant Professor /AI&ML	16/05/2025
3	Secure Cloud Data Storage and its Access	Ms.P. Rajeswari Assistant Professor / IT	15/05/2025
4	Human Action Recognition Based on Principal Component Analysis with Hybrid Neural Networks	Mr.V. Eswaramurthy Assistant Professor (SS) / AI&DS	14/05/2025
5	Searchable Encryption of Data in the Cloud	Ms. G. Keerthika Assistant Professor / IT	12/05/2025
6	Incorporating Machine Learning Techniques in Blockchain to Increase the Security Features During Data Manipulation	Ms. M. Gomathi Assistant Professor / CSE	29/04/2025
7	Machine Learning Based E-Commerce Product Recommendation System	Ms. S. Devilavanya Assistant Professor / CSE	23/04/2025
8	Explainable AI for Cybersecurity and Resilience	Ms.N. Sugirtham Assistant Professor(SS) / ECE	17/04/2025
9	Analyzing the Effect of Computational Advertisement on Customer Behavior in Social Media	Mr.T. Kanagasabapathy Assistant Professor(SS) / CSE	17/04/2025
10	Sustainable Materials in Construction Industry	Ms. R. Anuja Assistant Professor / Civil	16/04/2025



ACTIVITIES ORGANIZED THROUGH RESEARCH INTEREST GROUP (RIG)

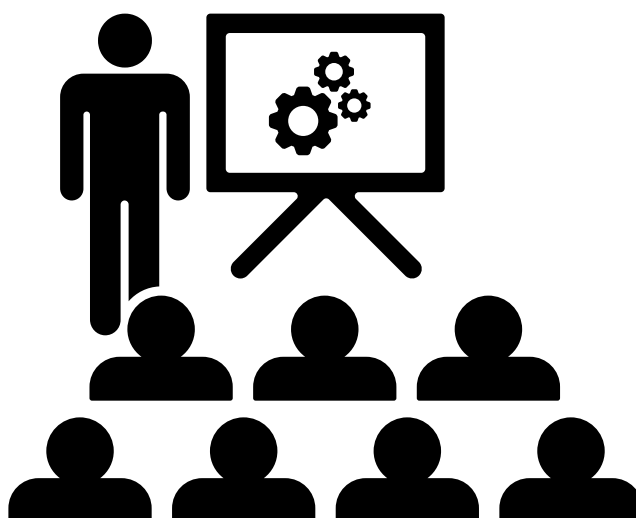
  <p>Office of Dean Research & Innovation "Signal & Image Processing" Research Seminar</p>    <p>Dr. J. Thirumala Assistant Professor (SS) Department of Information Technology Dr. Mahalingam College of Engineering and Technology, Pollachi - 642 003</p> <p>"Histogram equalization for Image Enhancement using Medical Images" 29.03.2025 @ 3.00 PM Venue: C208, ECE Dept. Conference Hall</p> <p>Organizers: 1. Dr. S. Bharathi 2. Mr. T. Subakumar</p> <p>All are cordially invited !!!</p>	  <p>Office of Dean Research & Innovation Research Interest Group Artificial Intelligence and Machine Learning Research Seminar</p>    <p>Mr. T. Vijayakumar Assistant Professor Department of AIML Dr. Mahalingam College of Engineering and Technology, Pollachi - 03</p> <p>"Data Security using Machine Learning Techniques" 16/05/2025 @ 3.00 PM Venue: AS17 - IT Department Library</p> <p>Organizers: Dr. S. Ponnusathya, Asst. Prof., IT Dr. J. Bharathi, AP/ECSE</p> <p>All are cordially invited !!!</p>	  <p>Office of Dean Research & Innovation Research Interest Group Cryptography and Network Security RESEARCH SEMINAR</p>    <p>Ms. P. Rajeswari Assistant Professor Department of Information Technology Dr. Mahalingam College of Engineering and Technology, Pollachi</p> <p>Secure Cloud Data Storage and its Access 15.05.2025 @ 02.30PM Venue: AS17 - IT Department Library</p> <p>Organizers: Dr. M. Subathalakshmi, AP/ECSE, Dr. J. Saranya, AP/IT</p> <p>All are cordially invited !!!</p>
<p>Collaborate, Innovate, Elevate: Research Excellence...</p>  <p>Makkinnampatti, Tamil Nadu, India Book A, Annamalai Nagar, Makkinnampatti, Tamil Nadu, 625005, India Lat: 12.651794° Long: 77.028549° 16/05/2025 02:30 PM GMT +05:30</p>	<p>Collaborate, Innovate, Elevate: Research Excellence...</p>  <p>Makkinnampatti, Tamil Nadu, India Book A, Annamalai Nagar, Makkinnampatti, Tamil Nadu, 625005, India Lat: 12.651794° Long: 77.028549° 16/05/2025 02:30 PM GMT +05:30</p>	<p>Collaborate, Innovate, Elevate: Research Excellence...</p>  <p>Makkinnampatti, Tamil Nadu, India Book A, Annamalai Nagar, Makkinnampatti, Tamil Nadu, 625005, India Lat: 12.651794° Long: 77.028549° 16/05/2025 02:30 PM GMT +05:30</p>
  <p>Office of Dean Research & Innovation Research Interest Group Artificial Intelligence and Machine Learning Research Seminar</p>    <p>Mr. V. Sureshwarthy Assistant Professor (SS), Department of AIGDS, Dr. Mahalingam College of Engineering and Technology, Pollachi - 03</p> <p>"Human Action Recognition Based on Principal Component Analysis with Hybrid Neural Networks" 14/05/2025 @ 02.30pm Venue: AS17 - IT Department Library</p> <p>Organizers: 1. Dr. J. Bharathi 2. Dr. S. Ponnusathya</p> <p>All are cordially invited !!!</p>	  <p>Office of Dean Research & Innovation Research Interest Group Artificial Intelligence and Machine Learning Research Seminar</p>    <p>Makkinnampatti, Tamil Nadu, India Book A, Annamalai Nagar, Makkinnampatti, Tamil Nadu, 625005, India Lat: 12.651794° Long: 77.028549° 16/05/2025 02:30 PM GMT +05:30</p>	  <p>Office of Dean Research & Innovation Research Interest Group Cryptography and Network Security RESEARCH SEMINAR</p>    <p>Ms. G. Kavithika Assistant Professor Department of Information Technology Dr. Mahalingam College of Engineering and Technology, Pollachi</p> <p>"Searchable Encryption of Data in the Cloud" 12.05.2025 @ 02.30 PM Venue: AS17 - IT Department Library</p> <p>Organizers: Dr. M. Subathalakshmi, AP/ECSE, Dr. J. Saranya, AP/IT</p> <p>All are cordially invited !!!</p>

ACTIVITIES ORGANIZED THROUGH RESEARCH INTEREST GROUP (RIG)

 <p>Dr. MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY Makkinampatti, Pollachi - 03</p> <p>Office of Dean Research & Innovation</p> <p>Research Interest Group Artificial Intelligence and Machine Learning</p> <p>Research Seminar</p>  <p>Ms. M. Gernathi Assistant Professor, Department of CSE, Dr. Mahalingam College of Engineering and Technology, Pollachi - 03</p> <p>"Incorporating Machine Learning Techniques in Blockchain to Increase the Security Features During Data Manipulation"</p> <p>28/04/2025 @ 02.30pm Venue: AS17 - IT Department Library</p> <p>Organizers: 1. Dr. J. Bhavithra 2. Dr. S. Paandi y. Nalliya</p> <p>All are cordially Invited !!!</p> <p>Collaborate, Innovate, Elevate: Research Excellence...</p>  <p>Makkinampatti, Tamil Nadu, India Bhavithra, J. A. Aravindha Nagar, Makkinampatti, Tamil Nadu, 622001, India LAT: 10.85807° LONG: 77.230007° ELEVATION: 524.75 M GMT +05:30</p>	 <p>Dr. MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY Makkinampatti, Pollachi - 03</p> <p>Office of Dean Research & Innovation</p> <p>Research Interest Group Artificial Intelligence and Machine Learning</p> <p>Research Seminar</p>  <p>Ms. S. DevDharanya Assistant Professor, Department of CSE, Dr. Mahalingam College of Engineering and Technology, Pollachi - 03</p> <p>"Machine Learning Based E-Commerce Product Recommendation System"</p> <p>23/04/2025 @ 02.30pm Venue: AS17 - IT Department Library</p> <p>Organizers: 1. Dr. J. Bhavithra 2. Dr. S. Paandi y. Nalliya</p> <p>All are cordially Invited !!!</p> <p>Collaborate, Innovate, Elevate: Research Excellence...</p>  <p>Makkinampatti, Tamil Nadu, India Bhavithra, J. A. Aravindha Nagar, Makkinampatti, Tamil Nadu, 622001, India LAT: 10.85807° LONG: 77.230007° ELEVATION: 524.75 M GMT +05:30</p>	 <p>Dr. MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY Makkinampatti, Pollachi - 03</p> <p>Office of Dean Research & Innovation</p> <p>Data Science Research Seminar</p>  <p>Mr. T. Karaganesapathy, Assistant Professor(SS), Department of Computer Science and Engineering, Dr. Mahalingam College of Engineering and Technology, Pollachi</p> <p>"Analyzing the Effect of Computational Advertisement on Customer Behavior in Social Media"</p> <p>17.04.2025 @ 10.00 AM Venue: AS17 - IT Department Library</p> <p>Organizers: Dr. S. Raja Rajasekhar, AP, ICA Mr. P. Kalishankar, AP, IT</p> <p>All are cordially Invited !!!</p> <p>Collaborate, Innovate, Elevate: Research Excellence...</p>  <p>Makkinampatti, Tamil Nadu, India Bhavithra, J. A. Aravindha Nagar, Makkinampatti, Tamil Nadu, 622001, India LAT: 10.85807° LONG: 77.230007° ELEVATION: 524.75 M GMT +05:30</p>
 <p>Dr. MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY Makkinampatti, Pollachi - 03</p> <p>Office of Dean Research & Innovation</p> <p>Research Interest Group Cryptography and Network Security</p> <p>KNOWLEDGE SHARING SESSION</p>  <p>Ms. N. Sugirtham Assistant Professor(SS) Department of Electronics and Communication Engineering Dr. Mahalingam College of Engineering and Technology, Pollachi</p> <p>Explainable AI for Cybersecurity and Resilience</p> <p>17.04.2025 @ 03.00PM Venue: AS17</p> <p>Organizers: Dr. N. Sakthi Devadhar, AP(SS) CSE/CO, Ms. L. Saranya, AP, IT</p> <p>All are cordially Invited !!!</p> <p>Collaborate, Innovate, Elevate: Research Excellence...</p>  <p>Makkinampatti, Tamil Nadu, India Bhavithra, J. A. Aravindha Nagar, Makkinampatti, Tamil Nadu, 622001, India LAT: 10.85807° LONG: 77.230007° ELEVATION: 524.75 M GMT +05:30</p>	 <p>Dr. MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY Makkinampatti, Pollachi - 03</p> <p>Office of Dean Research & Innovation</p> <p>Research Interest Group Sustainability and Green Technologies</p> <p>RESEARCH SEMINAR</p>  <p>Ms. R. Anuja Assistant Professor Department of Civil Engineering Dr. Mahalingam College of Engineering and Technology, Pollachi</p> <p>Sustainable Materials in Construction Industry</p> <p>18/4/2025 @ 11.00 AM Venue: A222</p> <p>Organizers: Dr. N. Anuragjan, Prof. CE Dr. A. Praveen Kumar, AP(SS) CE</p> <p>All are cordially Invited !!!</p> <p>Collaborate, Innovate, Elevate: Research Excellence...</p>  <p>Makkinampatti, Tamil Nadu, India Bhavithra, J. A. Aravindha Nagar, Makkinampatti, Tamil Nadu, 622001, India LAT: 10.85807° LONG: 77.230007° ELEVATION: 524.75 M GMT +05:30</p>	 <p>Dr. MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY Makkinampatti, Pollachi - 03</p> <p>Office of Dean Research & Innovation</p> <p>Research Interest Group Sustainability and Green Technologies</p> <p>RESEARCH SEMINAR</p>  <p>Ms. R. Anuja Assistant Professor Department of Civil Engineering Dr. Mahalingam College of Engineering and Technology, Pollachi</p> <p>Sustainable Materials in Construction Industry</p> <p>18/4/2025 @ 11.00 AM Venue: A222</p> <p>Organizers: Dr. N. Anuragjan, Prof. CE Dr. A. Praveen Kumar, AP(SS) CE</p> <p>All are cordially Invited !!!</p> <p>Collaborate, Innovate, Elevate: Research Excellence...</p>  <p>Makkinampatti, Tamil Nadu, India Bhavithra, J. A. Aravindha Nagar, Makkinampatti, Tamil Nadu, 622001, India LAT: 10.85807° LONG: 77.230007° ELEVATION: 524.75 M GMT +05:30</p>

ACTIVITIES ORGANIZED THROUGH RESEARCH INTEREST GROUP (RIG)

S.No.	Title	Name of the Resource Person (MCET Faculty Members)	Date
11	Sustainable Concrete with Physical, Chemical and Bio Admixtures	Ms. S. Sharmila Assistant Professor / Civil	15/04/2025
12	Hands-on session on ImageJ	Mr. M. Mahendran Assistant Professor (SS) / Automobile	02/04/2025
13	Feature Selection of Reviews using Nature Inspired Optimization Techniques	Ms. B. Suganya Assistant Professor(SS) / CSE	01/04/2025
14	Dissemination Of High End Workshop On "Deep Learning For Biomedical Signal Processing" Conducted By Nit	Mr.A. Shafeek Assistant Professor (SS) / ECE	28/03/2025
15	Impact of Cobalt Hydroxide on Bismuth Oxide Nanostructures on Supercapacitor Applications	Mr. N. Karthikeyan, Assistant Professor (SS) / S&H	28/03/2025
16	Dissemination Of High End Workshop On "Deep Learning For Biomedical Signal Processing" Conducted By Nit Puducherry (Part-1)	Mr.V. Gurunathan Assistant Professor (SS) / ECE	28/03/2025
17	Exploring connected papers: A Visual tool for Literature Review	Ms. K. Saranya Assistant Professor / IT	28/03/2025
18	Applications of Metal Complexes in Supercapacitors	Ms. N. Chithra Assistant Professor / S&H	28/03/2025



ACTIVITIES ORGANIZED THROUGH RESEARCH INTEREST GROUP (RIG)

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

RESEARCH SEMINAR

Ms. S. Sharmila
Assistant Professor
Department of Civil Engineering
Dr. Mahalingam College of Engineering and
Technology, Pollachi

**Sustainable Concrete with Physical, Chemical and Bio
Additives**
15/04/2025 @ 11:00 AM
Venue: A222

Organizers: Dr. A. Ananthan, Prof. CE Ms. A. Prasen Kumar, AP096/CE

All are cordially invited !!!

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

HANDS-ON SESSION

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

"Hands-on session on ImageJ"
02/04/2025 @ 03:30 PM
Venue: Simulation and Analysis Laboratory (E306)

Organizer: Dr. S. K. Achala, AP194/Vata

All are cordially invited !!!

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

Research Seminar

Ms. B. Suganya
Assistant Professor(SS),
Department of CSE,
Dr. Mahalingam College of Engineering
and Technology, Pollachi - 03

**"Feature Selection of Reviews using Nature
Inspired Optimization Techniques"**
01/04/2025 @ 11:30am
Venue: C125 - CSE Conference Hall

Organizers: 1. Dr. J. Bhaskaran 2. Dr. Prasad A. Sathya

All are cordially invited !!!



**Office of Dean
Research & Innovation**
"Signal & Image Processing"

Research Seminar

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

**"DISSEMINATION OF RESEARCH WORKSHOP ON 'DEEP LEARNING
FOR BIOMEDICAL SIGNAL PROCESSING' COORDINATED BY
P. U. CHERRY P. ART III"**
28/03/2025 @ 2:30 PM
Venue: CHED ECE Department Conference Hall

Organizers: 1. Dr. S. Bharathi 2. Mr. T. Selvakumar

All are cordially invited !!!



**Office of Dean
Research & Innovation**
"Energy & Bio-Inspired Materials"

Research Presentation

Mr. N. Karthikeyan
Assistant Professor (SS) of Physics
Department of Science and Humanities
Dr. Mahalingam College of Engineering and
Technology, Pollachi - 642 003.

**"Impact of Cobalt Hydroxide on Bismuth Oxide
Nanostructures on Supercapacitor Applications"**
20/03/2025 @ 9:00 AM
Venue: A222 S&H Conference Hall

Organizers: 1. Dr. B. Saravanan Kumar 2. Dr. J. Johnson William

All are cordially invited !!!

ACTIVITIES ORGANIZED THROUGH RESEARCH INTEREST GROUP (RIG)

MCET DE MAHALINGAM
 OFFICE FOR RESEARCH AND INNOVATION
 Standardized PGQA, Database Setup (2020)
 An Autonomous Institution

**Office of Dean
Research & Innovation**
 "Signal & Image Processing"

Research Seminar

Mr. V. Ganesan,
 Assistant Professor (SE),
 Department of Electronics and
 Communication Engineering
 Dr. Mahalingam College of Engineering and
 Technology, Pollachi - 642 003.

**"SEMANTIC SEGMENTATION OF MEDICAL IMAGES USING DEEP LEARNING FOR BIOMEDICAL SIGNAL PROCESSING" COORDINATED BY
 P. H. CHERRY PART II**
 28/03/2025 @ 2:30 PM
 Venue: C301 ECE Department Conference Hall

Organizers: 1. Dr. S. Bharathi 2. Mr. T. Sathya Kumar
All are cordially invited !!!

MCET DE MAHALINGAM
 OFFICE FOR RESEARCH AND INNOVATION
 Standardized PGQA, Database Setup (2020)
 An Autonomous Institution

**Office of Dean
Research & Innovation**
 Data Science
 Research Seminar

Mr. Saranya K.
 Assistant Professor
 Department of Information Technology
 Dr. Mahalingam College of Engineering and
 Technology, Pollachi

**"Exploring connected papers: A Visual tool for
 Literature Review"**
 28/03/2025 @ 11:30 am
 Venue: AS17, IT Department Library

Organizers: Dr. S. Raja Rajeswari, AP/ MCA 10. P. Kalanidhi, AP/ IT
All are cordially invited !!!

MCET DE MAHALINGAM
 OFFICE FOR RESEARCH AND INNOVATION
 Standardized PGQA, Database Setup (2020)
 An Autonomous Institution

**Office of Dean
Research & Innovation**
 "Energy & Bio-Inspired Materials"

Research Seminar

Ms. N. Chithra
 Assistant Professor of Chemistry
 Department of Science and Mathematics
 Dr. Mahalingam College of Engineering and
 Technology, Pollachi - 642 003.

"Applications of Metal Complexes in Supercapacitors"
 28/03/2025 @ 9:45 AM
 Venue: A322 S&H Conference Hall

Organizers: 1. Dr. R. Narayanaswamy 2. Dr. J. Johnson William
All are cordially invited !!!

MCET DE MAHALINGAM
 OFFICE FOR RESEARCH AND INNOVATION
 Standardized PGQA, Database Setup (2020)
 An Autonomous Institution

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

Research Seminar

Mr. M. Shivakumar
 Assistant Professor
 Department of Information Technology
 Dr. Mahalingam College of Engineering and
 Technology, Pollachi

**"An Autonomous Irrigation System for Smart
 Agriculture Management using AI and GIoT"**
 27/03/2025 @ 2:30 PM
 Venue: AS17 - IT Department Library

Organizers: Mr. R. Marudan Jayan, AP/SSS, ECE; Mr. R. Mahalingam, AP/SSS, ECE
All are cordially invited !!!

MCET DE MAHALINGAM
 OFFICE FOR RESEARCH AND INNOVATION
 Standardized PGQA, Database Setup (2020)
 An Autonomous Institution

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

Research Seminar

Mr. M. Shivakumar
 Assistant Professor
 Department of Information Technology
 Dr. Mahalingam College of Engineering and
 Technology, Pollachi

**"An Autonomous Irrigation System for Smart
 Agriculture Management using AI and GIoT"**
 27/03/2025 @ 2:30 PM
 Venue: AS17 - IT Department Library

Organizers: Mr. R. Marudan Jayan, AP/SSS, ECE; Mr. R. Mahalingam, AP/SSS, ECE
All are cordially invited !!!

MCET DE MAHALINGAM
 OFFICE FOR RESEARCH AND INNOVATION
 Standardized PGQA, Database Setup (2020)
 An Autonomous Institution

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

Research Seminar

Mr. N. Proven Sandra Kumar
 Assistant Professor (SS)
 Department of Information Technology
 Dr. Mahalingam College of Engineering
 and Technology, Pollachi - 03

**"Static Malware Analysis using
 Open Source Tools"**
 19/03/2025 @ 11:00am
 Venue: A525 - Research Lab - IT Department

Organizers: 1. Dr. S. Bharathi 2. Dr. T. Sathya Kumar
All are cordially invited !!!

MCET DE MAHALINGAM
 OFFICE FOR RESEARCH AND INNOVATION
 Standardized PGQA, Database Setup (2020)
 An Autonomous Institution

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

Research Seminar

Mr. M. Shivakumar
 Assistant Professor
 Department of Information Technology
 Dr. Mahalingam College of Engineering and
 Technology, Pollachi

**"An Autonomous Irrigation System for Smart
 Agriculture Management using AI and GIoT"**
 27/03/2025 @ 2:30 PM
 Venue: AS17 - IT Department Library

Organizers: Mr. R. Marudan Jayan, AP/SSS, ECE; Mr. R. Mahalingam, AP/SSS, ECE
All are cordially invited !!!

MCET DE MAHALINGAM
 OFFICE FOR RESEARCH AND INNOVATION
 Standardized PGQA, Database Setup (2020)
 An Autonomous Institution

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

Research Seminar

Mr. N. Proven Sandra Kumar
 Assistant Professor (SS)
 Department of Information Technology
 Dr. Mahalingam College of Engineering
 and Technology, Pollachi - 03

**"Static Malware Analysis using
 Open Source Tools"**
 19/03/2025 @ 11:00am
 Venue: A525 - Research Lab - IT Department

Organizers: 1. Dr. S. Bharathi 2. Dr. T. Sathya Kumar
All are cordially invited !!!

MCET DE MAHALINGAM
 OFFICE FOR RESEARCH AND INNOVATION
 Standardized PGQA, Database Setup (2020)
 An Autonomous Institution

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

Research Seminar

Mr. N. Proven Sandra Kumar
 Assistant Professor (SS)
 Department of Information Technology
 Dr. Mahalingam College of Engineering
 and Technology, Pollachi - 03

**"Static Malware Analysis using
 Open Source Tools"**
 19/03/2025 @ 11:00am
 Venue: A525 - Research Lab - IT Department

Organizers: 1. Dr. S. Bharathi 2. Dr. T. Sathya Kumar
All are cordially invited !!!

ACTIVITIES ORGANIZED THROUGH RESEARCH INTEREST GROUP (RIG)

S.No.	Title	Name of the Resource Person (MCET Faculty Members)	Date
19	An Autonomous Irrigation System for Smart Agriculture Management using AI and 6GloT	Mr. M. Sivakumar Assistant Professor / IT	27/03/2025
20	Side Channel Attacks and Blockchain Technology	Ms.S. Selvanayaki Assistant Professor / IT	19/03/2025
21	Static Malware Analysis using Open Source Tools	Mr. N. Praveen Sundra Kumar Assistant Professor(SS) / IT	19/03/2025
22	Research Seminar on "Advances in Solar Collector Technologies"	Mr. J. Venkatesh Assistant Professor / Mechanical	15/03/2025
23	Development of scaffolds using advanced 3D bio printing technology	Mr. K. Sasikumar Assistant Professor / Mechanical	13/03/2025
24	ASIC Design and optimization of Arithmetic Units	Ms.S. Dharani Assistant Professor / ECE	05/03/2025
25	Sustainable Materials	Mrs. S. Suthaviji Assistant Professor / Civil	03/03/2025



ACTIVITIES ORGANIZED THROUGH RESEARCH INTEREST GROUP (RIG)

MCET DE. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Maddur Road, Pollachi, Tamil Nadu - 642 005
Dr. Mahalingam Institute

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

KNOWLEDGE SHARING SESSION

 **Ms. S. Selvanayagi,**
AP/IT,
Dr. Mahalingam College of
Engineering and
Technology, Pollachi

**"Side Channel Attacks and Blockchain
Technology"**
19.03.2025 & 2:30PM
Venue: A-517

Organizers: Dr. S. Ponni @ Sathya, AP/IT, Dr. J. Bhavithra, AP/SCV/CE

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...

MCET DE. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Maddur Road, Pollachi, Tamil Nadu - 642 005
Dr. Mahalingam Institute

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

Research Seminar

 **Mr. J. Venkatesh**
Assistant Professor
Department of Mechanical Engineering
Dr. Mahalingam College of Engineering and
Technology, Pollachi - 03

**Research Seminar on "Advances in Solar Collector
Technologies"**
13.03.2025 & 3:00 pm
Venue: C201 - Mechanical Conference hall

All are cordially invited !!!

Collaborate, Innovate, Elevate: Research Excellence...

MCET DE. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Maddur Road, Pollachi, Tamil Nadu - 642 005
Dr. Mahalingam Institute

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

RESEARCH SEMINAR

 **Mr. K. Sankumar**
Assistant Professor
Department of Mechanical Engineering
Dr. Mahalingam College of Engineering and
Technology, Pollachi

**"Development of scaffolds using advanced 3D
bioprinting technology"**
13/03/2025 & 03.30 PM
Venue: Mechanical Conference Hall

Organizers: Dr. N. Arunkumar, AP/ME; Asst. Mr. H. Padmanabhan, AP/ME; Work

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



MCET DE. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Maddur Road, Pollachi, Tamil Nadu - 642 005
Dr. Mahalingam Institute

**Office of Dean
Research & Innovation**
Research Interest Group
RF & VLSI

Research Seminar

 **Ms. S. Dharani**
Assistant Professor
Department of Electronics and Communication
Engineering
Dr. Mahalingam College of Engineering and
Technology, Pollachi

"ASIC Design and optimization of Arithmetic Units"
05.03.2025 & 03:00 PM
Venue: C305

Organizers: Mr. Jagan Suresh, J. AP/DS/EE; Dr. S. Venkatesan, AP/SG/EE

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



MCET DE. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Maddur Road, Pollachi, Tamil Nadu - 642 005
Dr. Mahalingam Institute

**Office of Dean
Research & Innovation**
Research Interest Group
Sustainable Green Technologies

RESEARCH SEMINAR

 **Mrs. S. Sathavij**
Assistant Professor
Department of Civil Engineering
Dr. Mahalingam College of Engineering and
Technology, Pollachi

"Sustainable Materials"
03/03/2025 & 3.00 PM
Venue: A222

Organizers: Dr. A. Subarajan, Prof. CE; Mr. A. Praveen Kumar, AP/SG/CE

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...

DETAILS OF THE PATENTS GRANTED/ PUBLISHED/ FILED



DETAILS OF THE PATENTS GRANTED/ PUBLISHED/ FILED

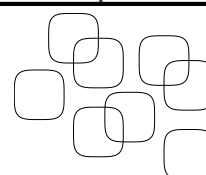
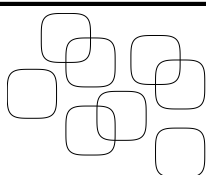
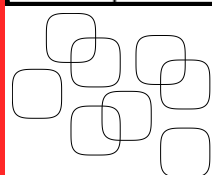
LIST OF UTILITY PATENT FILED / PUBLISHED

S.No.	Application No.	Name of the Inventors	Title of the Patent	Date
1	202541017281	Dr. S. Gokulkumar Dr. S. V. Gurupranes / AP / MECH Dr. K. Manickaraj Dr. Jayanna Kanchikere Dr. L. Prabhu Mr. A. Manmathan Mr. H. Mohamed Asrin Ms. K. Namburigha	Development of roll cage for cars	07/03/2025 (P) 27/02/2025 (F)
2	202541021193	Mr. Mohanraj Mr. Uthayakumar J Ms. M. Nivethini Ms. S. Gayathri / AP / CSE Ms. S. Shanmugapriya Ms. Vinodhini B	Harnessing Quantum Mechanics for Accurate Molecular Interaction Simulations in Drug Development	21/03/2025 (P) 09/03/2025 (F)
3	202541023105	Mr. Mohanraj Ms. Uma Maheswari P Dr. K. Vijaya Kumar Dr. Y. Sameena Ms. P. Rajeswari / AP / IT Ms. Athira B Mr. J. Manoj Prabhakar	Entangled Qubits Transform Traditional Learning Methods Into Intelligent Adaptive Systems	28/03/2025 (P) 14/03/2025 (F)
4	202541024146	Ms. B Padmapriya Ms. K. Saranya Dr. K. Sridar Mr. Prabhu R / AP / IT Ms. D. Diana Julie Ms. T. Sanmathi Mr. V. Vijey Nathan Mr. T. L. Vijayakumar Ms. B. Devi Mr. T. Prabu Dr. S. Mohan	Measuring player tendency with artificial intelligence approach through gesture recognition	28/03/2025 (P) 18/03/2025 (F)

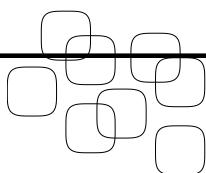
DETAILS OF THE PATENTS GRANTED/ PUBLISHED/ FILED

LIST OF UTILITY PATENT FILED / PUBLISHED

S.No.	Application No.	Name of the Inventors	Title of the Patent	Date
5	202541024891	Dr. Thummala Venkatamuni Dr. P. Saravana Kumar Mr. J. Dinesh Kumar/ AP /MECH Mr. Kurmana Premakumar Dr. Sekar K Mr.Siva M Mr.R. Ashok Gandhi	Wind Turbine Blade System Utilizing Hemp and Flax Fiber Composites for Enhanced Sustainability and Performance	28/03/2025 (P) 19/03/2025 (F)
6	202541026310	Mr.Manoharan K Dr. Veera Vanitha D Dr. Senthil Kumar L/ AP (SG)/ S&H Ms. Chitra S / AP/ S&H Dr. Manish Jain Mr. Karthick Myilvahanan J	Skin Cancer detection using Generative AI	28/03/2025 (P) 22/03/2025 (F)
7	202141010226 Patent Number: 563302	Dr.M.Balakrishnan Dr.A.B.Arockia Christopher Dr.J.Ramprasath /ASP/ IT Mr.N.Praveen Sundra Kumar / AP (SS) /IT	A fault diagnosis system and rectification method for uniform power generation in solar power plants	24/03/2025 (G) 11/03/2021 (F)



8	202541033187	Dept. of AI&DS: Dr.S.Nithya/ ASP Ms.D.C.Kiruthikka/ AP Ms.M.Masilamani / AP Ms.R.Anitha / AP Ms.N.Sathya / AP	AI-Augmented Modular Robotic System for Dynamic Surface Maintenance and Infrastructure Monitoring	02/05/2025 (P) 04/04/2025 (F)
---	--------------	---	---	----------------------------------



DETAILS OF THE PATENTS GRANTED/ PUBLISHED/ FILED

LIST OF UTILITY PATENT FILED / PUBLISHED

S.No.	Application No.	Name of the Inventors	Title of the Patent	Date
9	202541034581	Mr. Karthikeyan Thangavel Dr. Ashkar Mohammed. M Dr. Baiju Karun Ms.Divya Shree R H Mr.Rajesh Mishra Ms.Preethi R Mr. D. Gnanaprakasam /AP/EEE Dr. T. Arunkumar Dr. Vishnu Kiran Manam Mr.T Jayachandra Reddy Dr Vivek Bhatnagar Mr. V.S. Jagadhish	Machine Learning Applications for Precision Biomarkers and Tailored Therapy in Advanced Lung Cancer	09/05/2025 (P) 08/04/2025 (F)

10	202521040412	Mr.Jitendra Shrivastav Ms.Nadikatla Chandrasekhar Dr. C. L. Monica Ms. S. Kathirvizhi Dr. K. Akila Dr. Sanjeev Kumar Sharma Mr. D. Gnanaprakasam / AP/EEE Dr.S.Subhalakshmi Ms.G.Devayani Dr.Kusuma Rajasekhar Dr.Prabakaran Paranthaman Ms. R. Madhumitha	Integration of Machine Learning With a Smart IOT-Based Monitoring System For Poultry Farms: Chicken Behavioral Analysis for Predicting Egg Production Rate and Egg Weight	09/05/2025 (P) 08/04/2025 (F)
----	--------------	--	---	----------------------------------

LIST OF COPY RIGHTS _FILED/REGISTERED/WAITING

April- 2025				Total Numbers: 02	
S.No.	Application No.	Name of the Inventors	Designation & Dept.	Title of the Patent	Date of Registered (R)/ Filed (F)/Waitng (W)
1	L-163555/2025	Sam Suresh .J Soundarya .G	AP - EEE AP - ECE	Design and Analysis of Micropstrip patch Antenna for Wi-Fi Applications	15/04/2025 [®]
2	L-163650/2025	Sam Suresh .J Soundarya .G	AP - EEE AP - ECE	Design and Analysis of Proximity Coupled Antenna for 5G Cellular Networks	17/04/2025 (R)
May- 2025				Total Numbers: 02	
3	LD-20866/2025-CO	Sam Suresh .J	AP - VLSI	Design and Analysis of Monopole antenna for wireless Patient Monitoring Applications	23/05/2025 (W)
4	LD-20865/2025-CO	Sam Suresh .J Soundarya .G	AP - VLSI AP - ECE	Design and Analysis of Dipole Antenna for RFID Readers	23/05/2025 (W)

DETAILS OF THE PATENTS GRANTED/ PUBLISHED/ FILED

LIST OF FILED/GRANTED DESIGN PATENT

S.No.	Application No.	Name of the Inventors & Department	Title of the Patent	Month & Year of Publication
1	447009-001	Ms.T.Sumathi - AP (SS) /IT Dr.A.P.Janani - ASP /IT Mr.T.Kanagasabapathy AP (SS)/AIDS Ms.S.Selvanayaki, AP /IT Ms.S.Deepa, AP / IT	AI Based Real Time Detection Device of Cardiovascular Diseases	May 1, 2025
2	6430834 (UK Patent)	Mr.Balasubramaniam Jayaram Dr. Raviteja kocherla Mr. Manickam Prabhu raj – AP/EEE Dr. Henry John Bosco Mickle Aancy Dr. Mukesh Kumar Dr. Thiyagarajan	AI – Enabled Robotic Machine for Business Automation	Apr 1, 2025
3	443261-001	Mr.M.Srinivasan Ms.M.Karthika Ms.Rajarajeshwari K.C – AP /ECE Ms.K.Divya Ms.G M. Mythili Ms.U.Sasikala Mr. S.Ganapathy Mr.Anish Antony	Machine Learning Based Wireless Network security hub	Apr 1, 2025
4	426413-001	Mr.Govind Sourabh Dr.Natarajan - Prof. /CIVIL Mr.Muthusamy Mohanaprasath Ms.Mangottiri Vasudevan Mr.S.Dineshkumar - AP /CIVIL Mr.S.Syed Masoodhu – AP (SS) /CIVIL Ms.S.Sharmila - AP /CIVIL	Outdoor Air Purifier	Mar 1, 2025
5	442250-001	Ms.K.C.Theepika – AP/MCA Dr.S.Raja Rajeswari - AP/MCA Ms.S.Divya Vahini - AP/MCA Ms.B.Yesodhai - AP/MCA Ms.M.Rubha – AP/MCA	AI Based Medical Device for Detection of Skin Disease	Mar 1, 2025

RESEARCH PUBLICATIONS



RESEARCH PUBLICATIONS

Journal Article Publications

1. Michael Roger Naveen, Logesh Kamaraj, **Hariharasakthisudhan Ponnarengan**. "Fatigue Resistance and Fracture Toughness Improvement in Nanoclay-modified Titanium- K Evlar/ J Ute Fiber Metal Laminate." *Polymer Composites*, May 5, 2025, pc.30001. <https://doi.org/10.1002/pc.30001>. *Indexing: Q1, SCIE*.
2. **Hariharasakthisudhan, P.**, Sathish Kannan, and K. Logesh. "Optimizing LPBF Process Parameters and Al₂O₃ Reinforcement in 17-4 PH Stainless Steel Composites Using ANN and NSGA-II." *International Journal of Mechanics and Materials in Design*, May 5, 2025. <https://doi.org/10.1007/s10999-025-09766-4>. *Indexing: Q1, SCIE*.
3. **Hariharan, K.**, G. Arumaikkannu, N. Sathishkumar, and C. Chandrasekhara Sastry. "Pulsed Laser Deposition of Hydroxyapatite Coatings on Laser Sintered Polyamide for Enhanced Osseointegration." *Materials Chemistry and Physics* 343 (October 2025): 130956. <https://doi.org/10.1016/j.matchemphys.2025.130956>. *Indexing: Q1, SCIE*.
4. Naveen, Michael Roger, Logesh Kamaraj, and **Hariharasakthisudhan Ponnarengan**. "Bayesian Optimization and Neural Network Prediction of Graphene-Titanium Fiber Metal Laminates." *Materials Today Communications* 45 (April 2025): 112355. <https://doi.org/10.1016/j.mtcomm.2025.112355>. *Indexing: Q1, SCIE*.
5. **Ramkumar, T, R VishnuRameshkumar**, M Selvakumar, and Aruchamy Mohanprasanth. "Enhanced Microstructural, Corrosion Properties and in Vitro Biocompatibility of High-Entropy Alloy Coated over Titanium by Laser Cladding." *Materials Today Communications* 46 (June 2025): 112589. <https://doi.org/10.1016/j.mtcomm.2025.112589>. *Indexing: Q1, SCIE*.
6. **Parveen, Sheikdawood, Saravanakumar Balakrishnan**, Thathan Premkumar, **Johnson William**, Hung-Huy Nguyen, Krishnan Srinivasan, Subramaniam Vijayakumar, Balakrishnan Abhayram, Subbiah Govindarajan, and **Thulasiram Ramkumar**. "Exploring Novel Nickel Schiff-Base Complexes: One-Pot Green Synthesis, Density Functional Theory Studies, and Structural Investigations toward Energy Storage Applications." *Journal of Power Sources* 642 (June 2025): 236942. <https://doi.org/10.1016/j.jpowsour.2025.236942>. *Indexing: Q1, SCIE*.
7. Varghese, Arun, Kalathiparambil Rajendra Pai Sunajadevi, Dephan Pinheiro, **B. Saravanakumar**, and Manickam Selvaraj. "Advancing Energy Production and Storage: Polypyrrole/V₂O₅/MnO₂ Composite as a High-Performance Electrocatalyst." *International Journal of Hydrogen Energy* 123 (April 2025): 238-46. <https://doi.org/10.1016/j.ijhydene.2025.03.419>. *Indexing: Q1, SCIE*.

8. Sasikumar, K., M. Theanmozhi, P. Devaraji, Chinnakonda S. Gopinath, **B.Saravanakumar**, and R. Jude Vimal Michael. "Influence of Natural Carbon Template on Ag-ZnO Nanocomposites for Enhanced Supercapacitor, Photocatalytic Hydrogen Production and Antifungal Activity." *Materials Science in Semiconductor Processing* 193 (July 2025): 109523. <https://doi.org/10.1016/j.mssp.2025.109523>. **Indexing: Q1, SCIE.**
9. **Prabhu, R.**, and V. Seethalakshmi. "A Comprehensive Framework for Multi-Modal Hate Speech Detection in Social Media Using Deep Learning." *Scientific Reports* 15, no. 1 (April 15, 2025): 13020. <https://doi.org/10.1038/s41598-025-94069-z>. **Indexing: Q1, SCIE.**
10. **Rajan, Sherine Jenny, Sugirtham Narayanaswamy**, Thiyaneswaran Balashanmugam, Kumarganesh Sengottaiyan, Anthoniraj Selvaraj, Pratham Majumder, Amal Al-Rasheed, Masresha Getahun, and Ben Othman Soufiene. "Efficient Traffic Management with Adaptive SDN in Vehicular Networks." *Scientific Reports* 15, no. 1 (April 6, 2025): 11785. <https://doi.org/10.1038/s41598-025-96365-0>. **Indexing: Q1, SCIE.**
11. Sivanantham, Gokulkumar, Vinod Ayyappan, Prabhu Loganathan, Sasi Kumar Mani, **Gurupranes Sivaraj Vijaya**, Vijay Raghunathan, Sanjay Mavinkere Rangappa, and Suchart Siengchin. "Sustainable Hybrid Composites from Flax, Vetiver, and *Luffa Cylindrica*: Acoustic and Structural Performance." *Polymer Composites*, April 8, 2025, pc.29900. <https://doi.org/10.1002/pc.29900>. **Indexing: Q1, SCIE.**
12. **P., Hariharasakthisudhan**, Nafiz Imteaz, Logesh K., Adel Safa, Sathish Kannan, Sanjairaj Vijayavenkataraman, and Rahmat Susantyoko. "Optimization of Al₂O₃/SS316L Composites Fabricated via Laser Powder Bed Fusion Using Machine Learning and Multi-Objective Optimization." *Materials Today Communications* 44 (March 2025): 112098. <https://doi.org/10.1016/j.mtcomm.2025.112098>. **Indexing: Q1, SCIE.**
13. Ruby, E. D. Kanmani, **T. Sathiyapriya**, P. Sundaravadivel, D. Rajesh Kumar, Om Prakash Kumar, Shweta Vincent, and Pallavi R. Mane. "Compact Circularly Polarized Dual Band Antenna with Modified Patch for ISM and V2X Communication Systems." *Scientific Reports* 15, no. 1 (February 18, 2025): 5885. <https://doi.org/10.1038/s41598-025-89937-7>. **Indexing: Q1, SCIE.**
14. Lawrence, Jino, **Narayanan Natarajan**, Mohanadhas Berlin, Alagarsamy Vanav Kumar, Swapnali Doley, and Vasudevan Mangottiri. "Temporal Fractionation Models for Depicting Mass Transfer Limiting Conditions of Multispecies Transport in Porous Media." *Groundwater for Sustainable Development* 29 (May 2025): 101438. <https://doi.org/10.1016/j.gsd.2025.101438>. **Indexing: Q1, SCIE.**

RESEARCH PUBLICATIONS - JOURNAL ARTICLE PUBLICATIONS

15. Karthikeyan, Sankaranarayanan, **Saravanakumar Balakrishnan**, Ting-Yu Liu, and Anandhakumar Sukeri. "Potassium Titanate-Based Two-Dimensional Electrode Material for High-Current Density Supercapacitors." *Journal of the Taiwan Institute of Chemical Engineers* 170 (May 2025): 106044. <https://doi.org/10.1016/j.jtice.2025.106044>. *Indexing: Q1, SCIE*.
16. Uvarajan, K. P., **Kishore Balasubramanian**, and C. Gowri Shankar. "Unveiling the Invisible: Powering Security Threat Detection in WSN With AI." *Concurrency and Computation: Practice and Experience* 37, no. 9–11 (May 15, 2025): e70049. <https://doi.org/10.1002/cpe.70049>. *Indexing: SCIE*.
17. **Sam Suresh J.**, and G. Soundarya. "Low-Loss, Compact DS-OCSRR Shaped DGS Loaded HMSIW Band Pass Filter with High Fractional Bandwidth." *Defence Science Journal* 75, no. 3 (May 8, 2025): 394–98. <https://doi.org/10.14429/dsj.20211>. *Indexing: SCIE*.
18. **Gunasekaran, R.**, P. Hariharan, and B. Mouli Prasanth. "Studies on Different Multi-Criteria Decision-Making Techniques in Micro-Electrical Discharge Machining of Titanium Alloy." *Journal of Materials Engineering and Performance*, May 8, 2025. <https://doi.org/10.1007/s11665-025-11343-x>. *Indexing: SCIE*.
19. **Subramanian, Ayyappan, Gurupranes Sivaraj Vijaya, and Saravanaraj Devarajan**. "Power Generation and Carbon Credit Earning by Solar Energy Systems." *Environmental Quality Management* 34, no. 4 (June 2025): e70094. <https://doi.org/10.1002/tqem.70094>. *Indexing: SCIE*.
20. Marimuthu, Muthuraj, **Rama Thirumurugan**, Ashokkumar Mohankumar, and Mathanbabu Mariappan. "Effect of HVOF Parameter on Titanium Oxide (TiO₂) Coating Characteristics on AZ81 Magnesium Alloy." *Bulletin of the Chemical Society of Ethiopia* 38, no. 6 (September 16, 2024): 1869–86. <https://doi.org/10.4314/bcse.v38i6.28>. *Indexing: SCIE*.
21. Karthikeyan, T. A., M. Nesusudha, and **M. L. Valarmathi**. "Investigations on Flexible Dielectric Material-Based Wearable Antenna for Tumor Detection." *Journal of Materials Science: Materials in Electronics* 35, no. 35 (December 2024): 2226. <https://doi.org/10.1007/s10854-024-13953-y>. *Indexing: SCIE*.
22. **Venkatesan, R. S.**, M. Maria Dominic Savio, Ramkumar Natarajan, and P. Murugapandiyam. "Impact of High-k Dielectrics on Enhancement-Mode AlGaIn/GaN MISHEMTs: Performance Comparison with Various Buffer Layers for RF Power Electronics." *Journal of the Korean Physical Society* 86, no. 10 (May 2025): 989–1002. <https://doi.org/10.1007/s40042-025-01360-3>. *Indexing: SCIE*.

RESEARCH PUBLICATIONS - JOURNAL ARTICLE PUBLICATIONS

23. **Dharmalingam, Shanmugam, Thirumurugan Rama, Ashok Sayalkudi Kannusamy, Thiruchitrambalam Manickavasagam, Jayaraj Mahalingam,** Sivasubramanian Palanisamy, Carlo Santulli, Thresh Kumar Durairaj, and Saleh A Al-Farraj. "Free Vibration and Mechanical Characteristics of Palmyra Palm Leaf Stalk Fibers (PPLSFs) Reinforced Unsaturated Polyester Composites." *BioResources* 20, no. 2 (April 4, 2025): 3826–37. <https://doi.org/10.15376/biores.20.2.3826-3837>. **Indexing: SCIE.**
24. Nallusamy, C., Uma S., **Selvakumar T.**, and Kumaravel T. "Star Topology-Aware CH Selection and Geographic Routing Using Group Search Chronological Optimizer in MANET." *International Journal of Communication Systems* 38, no. 7 (May 10, 2025): e70055. <https://doi.org/10.1002/dac.70055>. **Indexing: SCIE.**
25. Manivannan, S., K. Rajalashmi, and **N. Saravanakumar.** "Three-Phase Fixed-to-Variable Power and Frequency Conversion Using Voltage-Fed Quasi-Z-Source Direct Matrix Converter by Various Pulse-Width-Modulation Control Schemes." *Electrical Engineering*, March 7, 2025. <https://doi.org/10.1007/s00202-025-03022-w>. **Indexing: SCIE.**
26. Praveenkumar, N., K. Lingadurai, **T. Ramkumar,** and R. Bharathiraja. "Characterization and Thermophysical Property Enhancement of Paraffin Wax PCM Using Single and Hybrid Nanoparticles." *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, March 14, 2025, 09544062251325641. <https://doi.org/10.1177/09544062251325641>. **Indexing: SCIE.**
27. Praveenkumar, N., K. Lingadurai, **T. Ramkumar,** and R. Bharathiraia. "Characterization and Thermophysical Property Evaluation of Ceramic and Metal Oxide-Based Hybrid Nanoparticles Enhanced Paraffin PCM." *Journal of Thermal Analysis and Calorimetry*, February 24, 2025. <https://doi.org/10.1007/s10973-025-14110-1>. **Indexing: SCIE.**
28. **Muthubharathi R,** M. Pandi, **Vinoth Kumar B, A. SenthilKumar.** "Efficient Workload Allocation in IoT Fog-Cloud Architectures for Energy Efficiency and Low Latency Using DEABC Algorithm." *KSII Transactions on Internet and Information Systems* 19, no. 2 (February 28, 2025). <https://doi.org/10.3837/tiis.2025.02.002>. **Indexing: SCIE.**
29. **Manikandan, A.,** and K. Murali. "A State-of-Art Review on Concrete Incorporating Waste Foundry Sand." *Innovative Infrastructure Solutions* 10, no. 6 (May 2025): 237. <https://doi.org/10.1007/s41062-025-02063-1>. **Indexing: Scopus.**

30. R, Jeyadeepa, Venkata N Seerapu, **Kiruthikka. D.C**, Sambhani Naga Gayatri, M Srinivasa Narayana, and Kiran Kumar Reddy Penubaka. "The Role of Artificial Intelligence in Post-Pandemic Healthcare Management: Integrating Mental Health, Stigma Reduction, and Machine Learning Innovations." *Journal of Neonatal Surgery* 14, no. 10S (March 29, 2025): 291–303. <https://doi.org/10.52783/jns.v14.2792>. **Indexing: Scopus.**
31. **Parveen, S.**, F. Riyazur Rahman, S. Thulasi Krishnan, G. Kalaiarasi, A. Dinesh, L. Srimathi Priya, Lalitha Gnanasekaran, Madhappan Santhamoorthy, Manikandan Ayyar, and S. Santhoshkumar. "Green Synthesis of Metal Oxide Nanoparticles via Plant Extracts for Biological Applications: A Review." *Trends in Sciences* 22, no. 6 (April 1, 2025): 9592. <https://doi.org/10.48048/tis.2025.9592>. **Indexing: Scopus.**
32. Yogeswari, B., S. Deivanayaki, A. Sajitha Banu, **V. Umadevi, V. Regina Delcy**, and A. Venkatraj. "Molecular Structural, Spectral and HOMO-LUMO Analysis of Acemetacin in Aqueous Phases: A Density Functional Theory Study." *Asian Journal of Chemistry* 37, no. 4 (March 29, 2025): 795–803. <https://doi.org/10.14233/ajchem.2025.33330>. **Indexing: Scopus.**
33. **R. Ramesh.** "Application of Neutrosophic Sets in Multi Attribute Decision Making." *Communications on Applied Nonlinear Analysis* 32, no. 9s (March 26, 2025): 2635–49. <https://doi.org/10.52783/cana.v32.4545>. **Indexing: Scopus.**
34. **Shanmugaveni, V., M. Jotheeswari**, R Abarnaswara, **M. VijayaKumar**, and A Manojanani. "Deformable Dual Graph Aggregation Transformer Convolutional Networks with Spider Wasp Optimizer for Ovarian Tumor Classification Using Magnetic Resonance Imaging." *Biomedical Materials & Devices*, April 4, 2025. <https://doi.org/10.1007/s44174-025-00328-y>. **Indexing: Scopus.**
35. Vignesh, M, Nandhakumar A, Priscilla Joy, **Senthil Prabhu S, Gayathri. G**, and Poovizhi P. "A Novel Neuro-Based Strategy for Early Brain Tumor Diagnosis via NeuroTumorDetectNet (NTDN)." *Journal of Neonatal Surgery* 14, no. 5 (April 2, 2025): 188–99. <https://doi.org/10.52783/jns.v14.2921>. **Indexing: Scopus.**
36. **A. Noble Mary Juliet.** "An Improved Hybrid Recommendation System Algorithm for Resolving the Cold-Start Issues." *Journal of Information Systems Engineering and Management* 10, no. 2 (February 1, 2025): 243–50. <https://doi.org/10.52783/jisem.v10i2.1752>. **Indexing: Scopus.**
37. V. Thamilarasi, R. Hema, **A. Noble Mary Juliet**, Adlin Sheeba, Gauri Ghule, and A. Raja. "AI-Powered Real-Time Runway Safety: UAV-Based Video Analysis with ICSO-Enhanced Deep Learning." *International Journal of Computational and Experimental Science and Engineering* 11, no. 1 (March 1, 2025). <https://doi.org/10.22399/ijcesen.1184>. **Indexing: Scopus.**

RESEARCH PUBLICATIONS - JOURNAL ARTICLE PUBLICATIONS

38. Sundaravadivel, Palaniselvan, **Sathiyapriya Thangavel**, Gold Beulah Patturose Jegajothi, Rethinasamy Meenakshi, Dhanushkodi Siva Sundhara Raja, and Rajesh Kumar Dhandapani. "A High-Performance, Thin, Circularly Polarized Microstrip Antenna for Compact Radar Systems." *Progress In Electromagnetics Research Letters* 124 (2025): 31–36. <https://doi.org/10.2528/PIERL24111202>. *Indexing: Scopus*.
39. Ponnuru, Aparna, J. V. Madhuri, S. Saravanan, **T. Vijayakumar**, V. Manimegalai, and Abhijeet Das. "Data-Driven Approaches to Water Quality Monitoring: Leveraging AI, Machine Learning, and Management Strategies for Environmental Protection." *Journal of Neonatal Surgery* 14, no. 5S (March 12, 2025): 664–75. <https://doi.org/10.52783/jns.v14.2107>. *Indexing: Scopus*.
40. **N. Senthil Madasamy**. "Enhanced Customer Churn Prediction for CRM Using PBGL-WPLM and Optimized ANN Models." *Journal of Information Systems Engineering and Management* 10, no. 2 (February 5, 2025): 303–21. <https://doi.org/10.52783/jisem.v10i2.1850>. *Indexing: Scopus*.
41. **Maheshwari G**, Uma, Venkata N Seerapu, K. Manoz Kumar Reddy, Aniket Bhagirath Jadhav, and Kiran Kumar Reddy Penubaka. "AI and Machine Learning in Public Health: Ensuring Algorithmic Fairness and Ethical Data Utilization for Population Health Management." *Journal of Neonatal Surgery* 14, no. 11S (April 3, 2025): 31–42. <https://doi.org/10.52783/jns.v14.2939>. *Indexing: Scopus*.
42. Jaganathan, Shanmugasundaram, **Vinoth Kumar Bojan, and Saravanakumar Natarajan**. "UMS-Net++: Modified SwinTransformer for Cardiac MRI Segmentation and Classification." *Traitement Du Signal* 42, no. 1 (February 28, 2025). <https://doi.org/10.18280/ts.420112>. *Indexing: Scopus*.
43. J . Jayasudha. "Plithogenic Hesitant Fuzzy Soft Sets." *Advances in Nonlinear Variational Inequalities* 28, no. 7s (March 22, 2025): 361–72. <https://doi.org/10.52783/anvi.v28.4531>. *Indexing: Scopus*.
44. Arifmohammed, K. M., S. Krishnaprakash, and **S. Gomathi**. "Elliptic Intuitionistic Fuzzy Bonferroni Mean Operator and Its Application in MCDM." *Notes on Intuitionistic Fuzzy Sets* 31, no. 1 (March 2025): 80–98. <https://doi.org/10.7546/nifs.2025.31.1.80-98>. *Indexing: Scopus*.
45. **Angappan, Suganya, Aarthi Nataraj**, Loganathan Navaneetha Krishnan, and Anbarasu Palanisamy. "Development of an Internet of Things Based Smart Cold Storage with Inventory Monitoring System." *International Journal of Electrical and Computer Engineering (IJECE)* 15, no. 1 (February 1, 2025): 89. <https://doi.org/10.11591/ijece.v15i1.pp89-98>. *Indexing: Scopus*.

RESEARCH PUBLICATIONS - BOOKS PUBLISHED

1. **Mr.R. Govindaraj**, "Ophthalmic Screening For Diabetic Eye Disease Diagnosis Using Deep Learning Algorithms In Mobile App", Amazon, ASIN : B0F5MWZMWS
2. **Mr.R. Govindaraj**, "Learning for Medication Adherence Skin Disease Detection Using YOLO Algorithm", Amazon, ASIN : ASIN : B0F5MS5SG5
3. Pethuru Raj; Prasanna Kumar; D.P. Sharma; Kavita Saini; B. Narendra Kumar Rao; Harshavardhan Kosuri; Nagendra Panini Challa; **R. Ranjana**, "Engineering the Metaverse: Enabling technologies, platforms and use cases" IET Digital Library, BN:9781839538803.

RESEARCH PUBLICATIONS - BOOK CHAPTERS PUBLISHED

1. Navaneethan, K. M., **Shanmugam Dharmalingam**, Sivasubramanian Palanisamy, and Anand Krishnamoorthy. "Polylactic Acid Based Rubber Composites and Nanocomposites." In *Rubber Based Bionanocomposites*, edited by P. M. Visakh, 227:167–200. Advanced Structured Materials. Cham: Springer Nature Switzerland, 2025. https://doi.org/10.1007/978-3-031-78557-3_7.
2. Praywin Sheela, A.G., A. Vasanthi, K. Lakshmi Joshitha, and **R. Ranjana**. "Unlocking the Potential of 6G: From Technical Foundations to Practical Applications in Edge AI." In *Advances in Computers*, 139:89–148. Elsevier, 2025. <https://doi.org/10.1016/bs.adcom.2025.03.016>.
3. Selvakumar, P., **D. Gnanaprakasam**, Sushma Gudivada, Sujay Mugaloremutt Jayadeva, and Manjunath T. C. "Understanding Artificial Intelligence and Its Role in Branding:" In *Advances in Marketing, Customer Relationship Management, and E-Services*, edited by Zahid Hussain, Mohamad-Noor Salehhuudin Sharipudin, Ahmad Albattat, and Arman Khan, 27–52. IGI Global, 2025. <https://doi.org/10.4018/979-8-3693-9461-8.ch002>.
4. Alikhan, J. Sulthan, **J. Dhyaneswaran, K. Kanagasabapathi, A. Vishnuprasath, A. Suganya, R. Madhumitha, and G. Manikandan**. "Deep Learning for Real-Time Traffic Analysis and Decision-Making in IoT-Connected Autonomous Vehicles:" In *Advances in Computational Intelligence and Robotics*, edited by Vikas Vyas, Xiaowei Bi, Digvijay Pandey, Zheyuan Xu, and Binay Kumar Pandey, 61–74. IGI Global, 2025. <https://doi.org/10.4018/979-8-3373-0442-7.ch005>.

RESEARCH PUBLICATIONS - CONFERENCE PUBLICATIONS

1. Jasmin Nerella, Mary, **J. Venkatesh**, Rajesh Kumar, Arul Johnson. A, R. Ramaswamy, and S. Mohammed Ghouse. "Energy Storage Optimization in Electric Vehicles for Improving Vehicles to Grid Performance." Edited by N. Nwulu, K. Natarajan, R. Shanmugasundaram, P.K. Balachandran, M. Krishnamoorthy, and P. Mounica. *E3S Web of Conferences* 619 (2025): 01009. <https://doi.org/10.1051/e3sconf/202561901009>.
2. Karri, Venkata Sanyasi Seshendra Kumar, Saravanan Kathirvel, **J. Dinesh Kumar**, M. Manohara, Singuru Madhavarao, Vipin Sharma, Shailendra Kumar Bohidar, and Gobimohan Sivasubramanian. "Investigation on the Mechanical and Thermal Properties of Hemp/Polyester Composites with Integrated Zirconium Dioxide (ZrO₂) Nanoparticles," 020253. Trichy, India, 2025. <https://doi.org/10.1063/5.0261794>.
3. Kumar, N. Senthil, B. Revathi, G. G. Sreeja, N. Menakadevi, M. Nisha, **S. Saranya**, and P. Sabarish. "Multi-Parameter MRI Image Analysis and Application of Edge Detection for Brain Tumor Detection," 020243. Trichy, India, 2025. <https://doi.org/10.1063/5.0262711>.
4. **Sethuraman, Raja Rajeswari**, Harshini S, Dhaarshieth K R, and Subhashini M. "Employing Machine Learning Algorithms for the Prediction of Alzheimer's Disease." In *2025 5th International Conference on Trends in Material Science and Inventive Materials (ICTMIM)*, 1259–66. Kanyakumari, India: IEEE, 2025. <https://doi.org/10.1109/ICTMIM65579.2025.10988247>.
5. **Thirunavukkarasu, M.**, S. Sathish, V. Rahul, R. Vinoth, S. Ram, and O. Akbar Basha. "Hybrid Adaptive Network-Based Fuzzy Inference System Model for Biodiesel Production in Renewable System." Edited by N. Nwulu, K. Natarajan, R. Shanmugasundaram, P.K. Balachandran, M. Krishnamoorthy, and P. Mounica. *E3S Web of Conferences* 619 (2025): 01010. <https://doi.org/10.1051/e3sconf/202561901010>.



BUSINESS
CONSULTING

CONSULTANCY ACTIVITIES CARRIED OUT



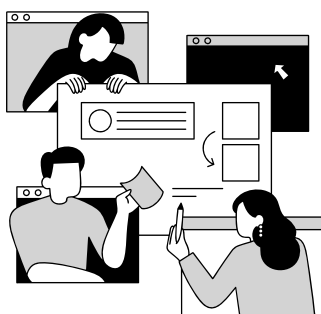
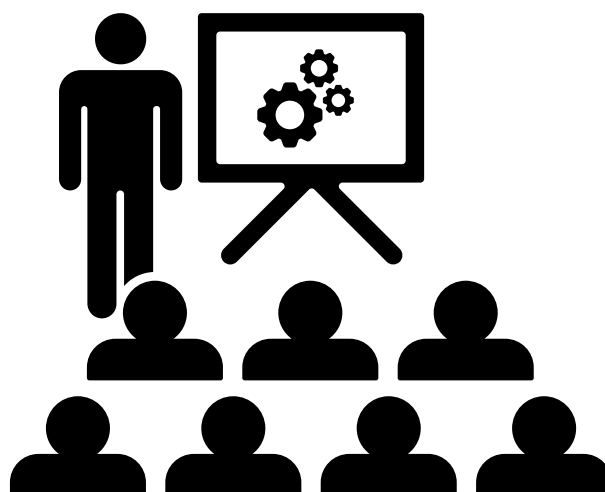
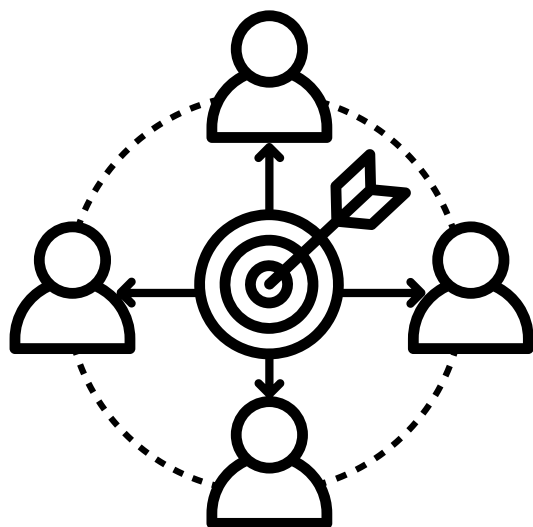
CONSULTANCY ACTIVITIES CARRIED OUT

S. No.	Name of the Faculty/Consultants	Date	Department	Name of consultancy Project/Corporate Training Program	Consulting/ Sponsoring Agency	Revenue Generated (Rs.)
1.	Dr.B.Saravanakumar	31-03-2025	S&H	Testing charges received towards Impedance Analysis Charges via ecs on 28.3.25.	Mr. Arul H	2400
2.	Dr. K. Srinivasan, Mr. M. Sudharsanan	28-03-2025	Civil Engineering	Testing charges received towards material test on 26.3.25	Municipal Engineer, Valparai Municipality, Valparai	7000
3.	Dr. K. Srinivasan, Mr. M. Sudharsanan, Mr. A. Manikandan	27-03-2025	Civil Engineering	Testing charges received towards Cube Test via ecs on 27.3.25.	Mr. K.Arumugam, Municipal Engineer, Valparai Municipality, Valparai	6000
4.	Dr. M. Rama Thirumurugan	31-03-2025	Mechanical Engineering	Testing charges at C-DAT Centre for the month of March'25	Sakthi Auto Component Limited	58600
5.	Dr. M. Rama Thirumurugan	26-03-2025	Mechanical Engineering	Testing charges at C-DAT Centre for the month of March'25	Sakthi Auto Component Limited	7200
6.	Dr.S. Krishnakumar, Mr. A. Manikandan	03-04-2025	Civil Engineering	Consultancy charges received for layout inspection Charges via ecs on 03.04.2025.	Mr.V.Suresh Kannan, No.31, Ragupathi Layout, 1st street, Saibaba Colony, Coimbatore	16875
7.	Mr. S. Syed Masoodhu, Mr. S. Dineshkumar, Ms. S. Sharmila	08-04-2025	Civil Engineering	Consultancy charges received towards third party inspection of retaining wall at Valparai perimedu via ecs on 7.4.25.	The Municipal Engineer, Valparai Municipality, Valparai	4238

8	Mr. S. Syed Masoodhu, Mr. S. Dineshkumar, Ms. S. Sharmila	08-04-2025	Civil Engineering	Consultancy charges received towards retaining wall at Valparai via ecs on 7.4.25.	The Municipal Engineer, Valparai	4238
9	Mr. S. Syed Masoodhu, Mr. S. Dineshkumar, Ms. S. Sharmila	08-04-2025		Consultancy charges received towards retaining wall at Valparai Karumalai via ecs on 7.4.25.	The Municipal Engineer, Valparai	4238
10	Mr. S. Syed Masoodhu, Mr. S. Dineshkumar, Ms. S. Sharmila	08-04-2025		Consultancy charges received towards third party inspection of Road via ecs on 7.4.25.	The Municipal Engineer, Valparai	6780
11	Dr. K. Srinivasan, Mr. M. Sudharsanan	11-04-2025		Testing charges for Cube concrete test for Pile foundation.	Ramyaa Associates	2000
12	Mr. S. Syed Masoodhu, Mr. P.S. Sathiskumar	17-04-2025		Charges received for soil consultancy for road construction.	Pollachi Municipality	10000
13	Mr. S. Syed Masoodhu, Mr. S. Dineshkumar, Ms. S. Sharmila, Mr. A. Manikandan, Dr.K. Srinivasan, Dr. N. Natarajan	23-04-2025		Testing charges received towards material testing for concrete road work.	The Commissioner, Ottanchathram Municipality	12500
14	Ms.S.Suthaviji Mr.P.S.Sathish Kumar	29-04-2025		Testing charges received for material testing on 21.4.25.	ACC Limited	4000

CONSULTANCY ACTIVITIES CARRIED OUT

S. No.	Name of the Faculty/Consultants	Date	Department	Name of consultancy Project/Corporate Training Program	Consulting/ Sponsoring Agency	Revenue Generated (Rs.)
15	Ms.S.Suthaviji Mr.P.S.Sathish Kumar	05-05-2025	Civil Engineering	Testing charges of materials testing on 26.4.24.	ACC Limited	1000
16	Dr.B.Saravanakumar	06-05-2025	S&H	Testing Charges	K.Geetha/ Consultancy	4500
17	Mr. S. Syed Masoodhu, Mr. S. Dineshkumar, Ms. S. Sharmila, Dr. Natarajan	07-05-2025	Civil Engineering	Testing Material	Valparai Municipality	10000
18	Dr. N.Natarajan, Mr. S. Dineshkumar, Ms. S. Sharmila	07-05-2025	Civil Engineering	Inspection Charges	Valparai Municipality	2500
19	Ms.R.Anuja & Mr.M.Sudharsanan	15-05-2025	Civil Engineering	Civil Mat. Test	Ashwin Vishak, NRG HiTech Blocks, Udumalai	1000
20	Dr.L.Chitra, Mr.D.Saravanaraj	24-05-2025	Electrical and Electronics Engineering	Charges for Harmonics audit conducted on 6.5.25 at Virajpet premises.	Mahindra Holidays & Resorts India Limited	10000
21	Dr.L.Chitra, Mr.D.Saravanaraj	24-05-2025	Electrical and Electronics Engineering	Charges for Harmonics audit conducted on 7.5.25 at Madikeri premises.	Mahindra Holidays & Resorts India Limited	10000
22	Dr.L.Chitra, Mr.D.Saravanaraj	30-05-2025	Electrical and Electronics Engineering	Charges for Energy audit conducted on 16-17.5.25 at Dindi premises.	Mahindra Holidays & Resorts India Limited	20000










CITATIONS

CITATIONS

Google Scholar

Dr.Mahalingam college of engineering & technology

Profiles

	Dr.S.Ramakrishnan Dean- Research & Innovation, Dr.Mahalingam College of Engineering and Technology Verified email at drmoet.ac.in Texture Classification Image Watermarking Image Encryption Wavelets SVD	Cited by 2744
	Dr. Ganesh Kumar D Professor and Head, Dept. of EEE, Dr Mahalingam College of Engg. & Technology Verified email at drmoet.ac.in Virtual Instrumentation Medical Electronics Networks	Cited by 257
	Dr. SARAVANAKUMAR N Associate Professor, ECE Department, Dr Mahalingam College of Engineering & Technology Verified email at drmoet.ac.in VLSI DESIGN Image Processing	Cited by 175
	mcet ece ...and Communication Engineering, Dr Mahalingam college of engineering & technology ... VLSI & Embedded system RF Communication Image processing	Cited by 137
	T.Sathesh Kumar Assistant Professor, EEE, Dr Mahalingam College of Engineering & Technology, Pollachi ... Verified email at drmoet.ac.in Smart Power Generation & Distr... Soft Computing Techniques Power Electronics	Cited by 118



Asia
H-Index
Rankings

Asia 19 Scientists H-Index Rankings

This real-time ranking measures researchers' academic productivity and impact at global, continental, national, and institutional levels using total year H-index data. Comparative analysis is available across 13 main fields and 221 academic disciplines.

 WORLD OR REGION Asia	 Country	 SUBJECT Choose a Subject	 SUB SUBJECT Choose a Subject
Name or University or Subject or Interests dr.mahalingam college of engineering and technology			

Total 19 scientist , Updates every 2 days ☐ List without CERN, Statistical Data etc. ☐ Sort by last 6 years H Index

<p>* Total H Index Rankings</p> <p>Rankings</p> <p> 295,838 World Rank</p> <p> 7,323 Country Rank</p> <p> 1 University</p> <p>Ranking Based On Selection: 1</p>	<p> S Ramakrishnan</p> <p>Dr Mahalingam College of Engineering and Technology Coimbatore, India</p> <p>Others</p> <p>Texture Classification Image Watermarking Image Encryption Wavelets SV</p> <p>H-Index Metrics</p> <table border="0"> <tbody> <tr> <td>Total</td> <td>Last 6 Years</td> <td>Last 6 Years / Total</td> </tr> <tr> <td>28</td> <td>21</td> <td>0.750</td> </tr> </tbody> </table> <p>Get Full Access to Premium Data</p>	Total	Last 6 Years	Last 6 Years / Total	28	21	0.750	
Total	Last 6 Years	Last 6 Years / Total						
28	21	0.750						

CITATIONS

* Total H Index Rankings

Rankings



368,706

World Rank



10,009

Country Rank



2

University

Ranking Based On Selection:

2

**B Saravanakumar**Dr Mahalingam College of Engineering and
Technology Coimbatore, India**Engineering & Technology / Metallurgical & Materials Engineering**

Energy storage materials and device

H-Index MetricsTotal
24Last 6 Years
24Last 6 Years / Total
1.000[Get Full Access to Premium Data](#)

* Total H Index Rankings

Rankings



446,544

World Rank



13,125

Country Rank



3

University

Ranking Based On Selection:

3

**T RamKumar**Dr Mahalingam College of Engineering and
Technology Coimbatore, India**Engineering & Technology / Metallurgical & Materials Engineering**

Powder Metallurgy | Nano Composites | Surface Engineering | Tribology | Corrosio

H-Index MetricsTotal
21Last 6 Years
21Last 6 Years / Total
1.000[Get Full Access to Premium Data](#)

* Total H Index Rankings

Rankings



671,397

World Rank



23,145

Country Rank



4

University

Ranking Based On Selection:

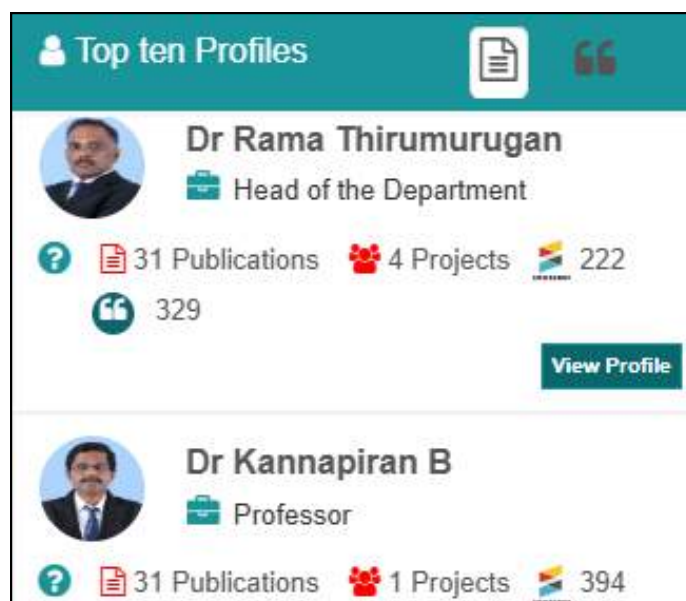
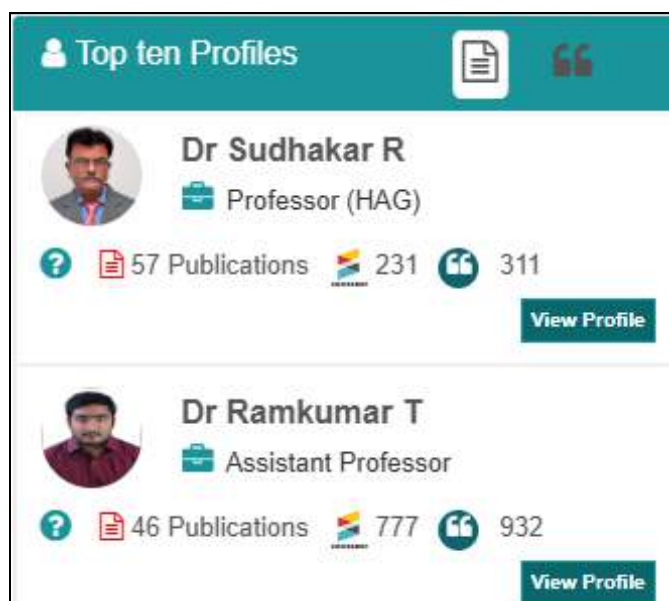
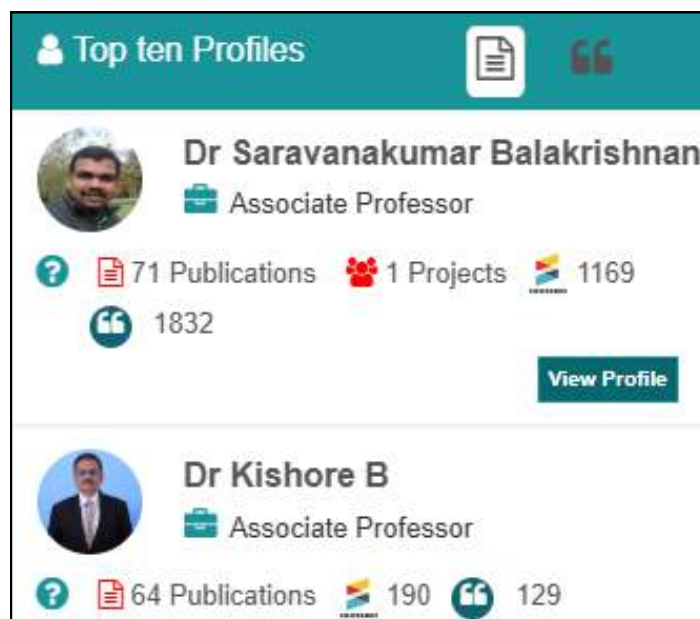
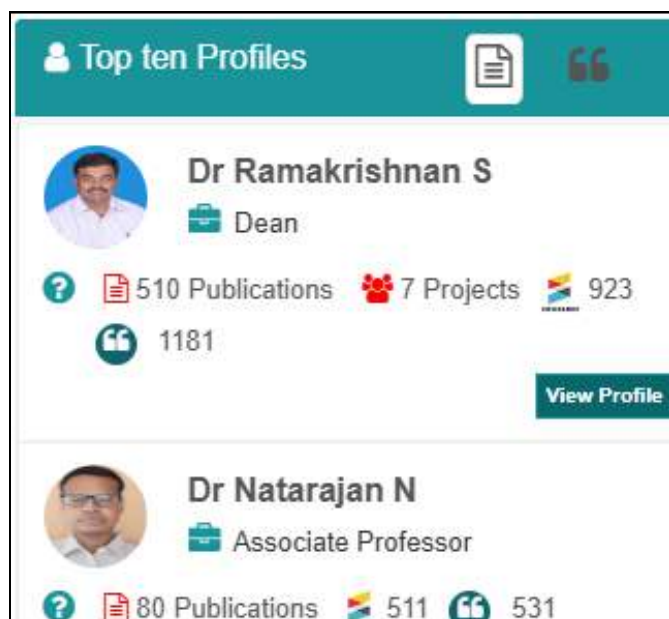
4

**B Kannapiran**Dr Mahalingam College of Engineering and
Technology Coimbatore, India**Engineering & Technology / Electrical & Electronic Engineering**

Fault diagnosis | Soft Computing | Intrusion detection in wireless network

H-Index MetricsTotal
15Last 6 Years
14Last 6 Years / Total
0.933[Get Full Access to Premium Data](#)

CITATIONS



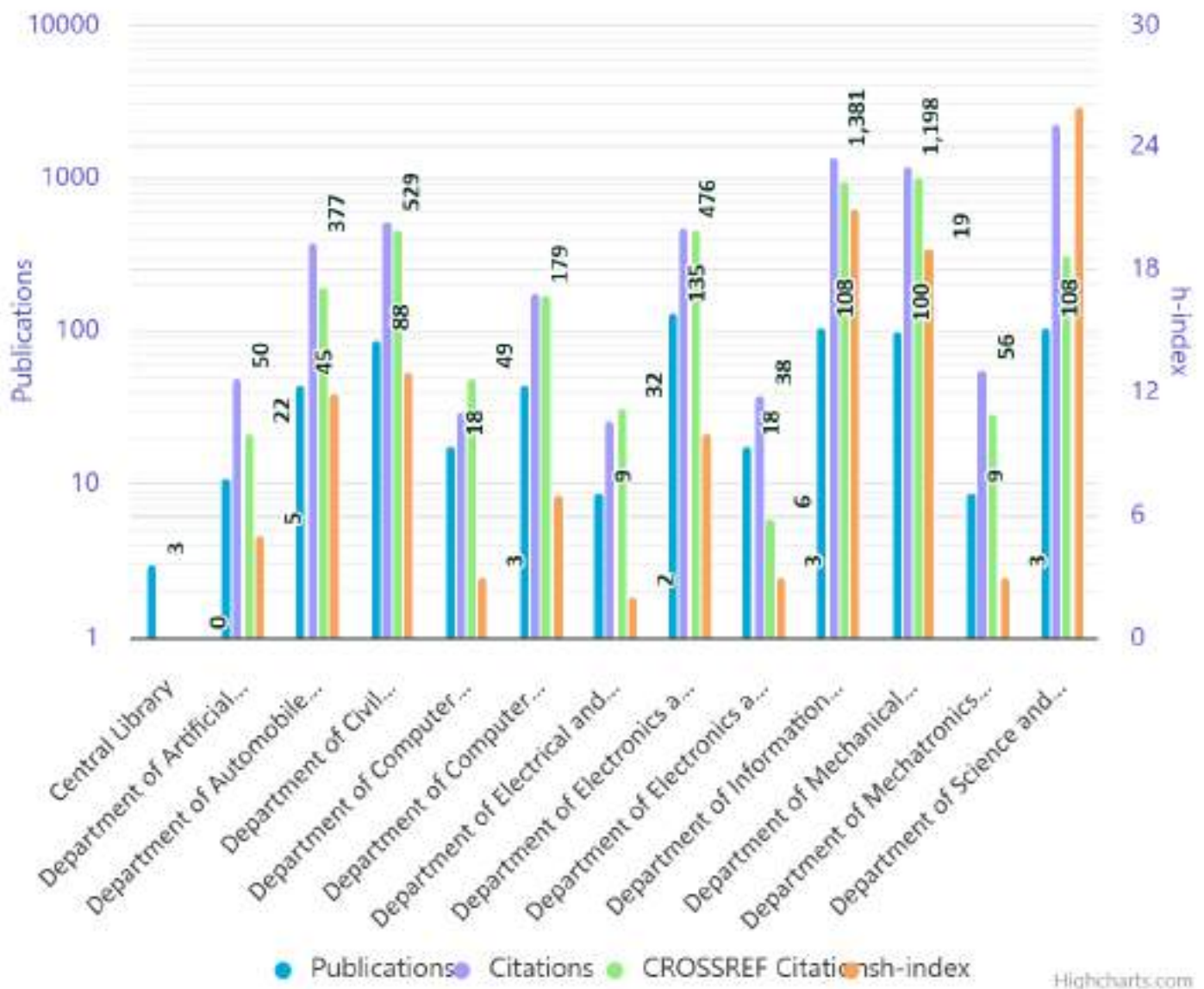
CITATIONS



Dr. Mahalingam College of Engineering and Technology
Faculty Profiles
 A Library Initiative

<https://mcet.irins.org/>

h-index





Ph.D.

PH.D.SCHOLARS & SUPERVISORS

PH.D.SCHOLARS & SUPERVISORS

07

No of Research centres

46

No of Supervisors

102

No of Completed Scholars

143

No of Ongoing Scholars

Details of Ph.D. Supervisors as on MAY 2025

S.No.	Name of the Department	No. of Supervisors
1.	Department of Information Technology	4
2.	Department of Computer Science and Engineering	4
3.	Department of Electrical and Electronics Engineering	9
4.	Department of Electronics and Communication Engineering	6
5.	Department of Mechanical Engineering	7
6.	Department of Automobile Engineering	4
7.	Department of Civil Engineering	2
8.	Department of Artificial Intelligence and Data Science	2
9.	Department of Artificial Intelligence and Machine Learning	1
10.	Master of Computer Applications	1
11.	Department of Science and Humanities	6
Total No. of Supervisors		46

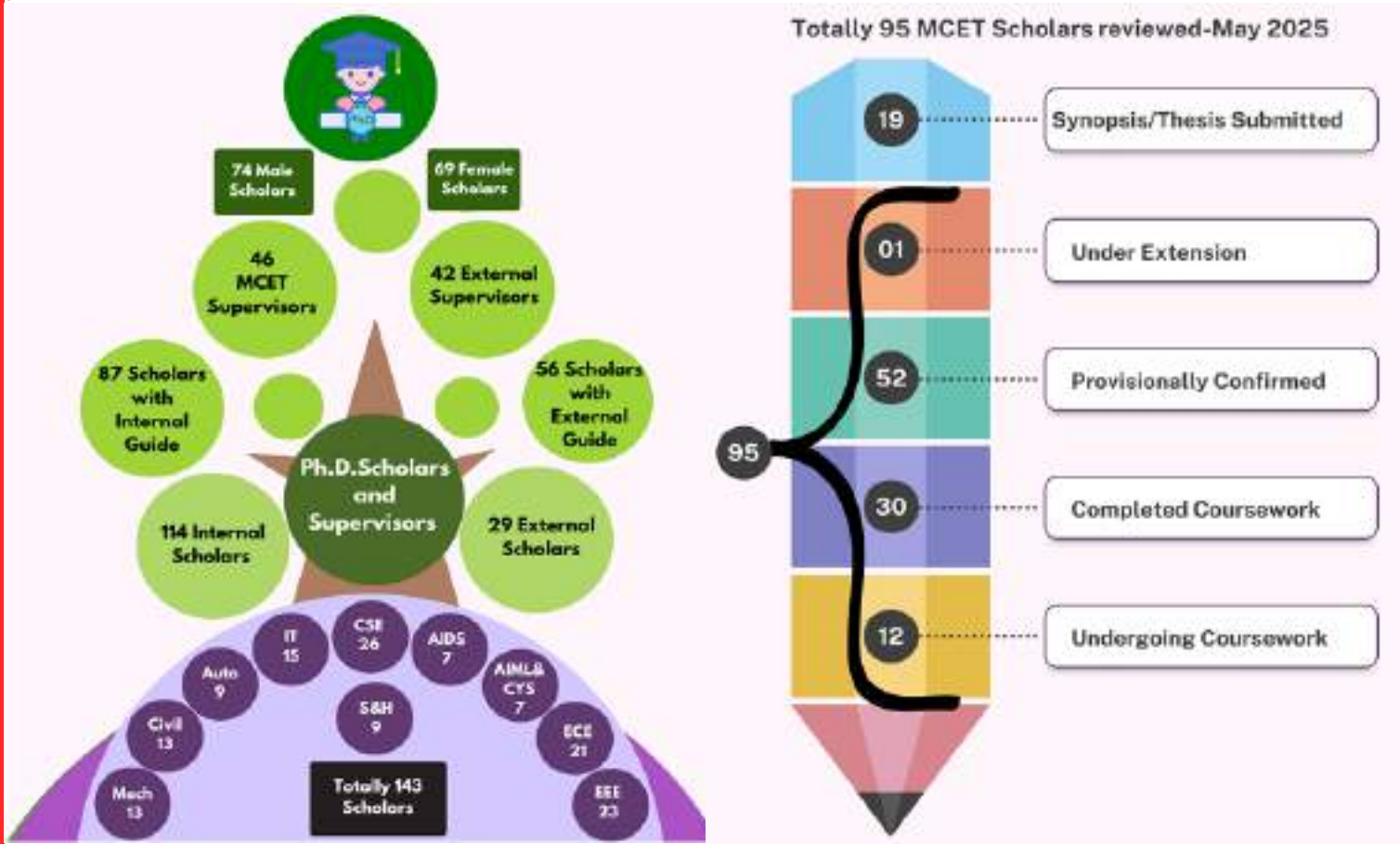
PH.D.SCHOLARS & SUPERVISORS

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

S.No.	Name of the Department	No. of Completed Scholars
1.	Department of Automobile Engineering	4
2.	Department of Civil Engineering	5
3.	Department of Mechanical Engineering	11
4.	Department of Mechatronics	1
5.	Department of Information Technology	13
6.	Department of Computer Science and Engineering	10
7.	Department of Artificial Intelligence and Machine Learning and Cyber Security	2
8.	Master of Computer Applications	3
9.	Department of Electronics and Communication Engineering	11
10.	Department of Electrical and Electronics Engineering	23
11.	Department of Electronics and Instrumentation Engineering	2
12.	Department of Science and Humanities	17
Total		102



PH.D.SCHOLARS & SUPERVISORS - MAY 2025



Performance Analysis - Department wise Average Scores-May 2025

Departments	Average Points Earned					Average Overall Score
	A. Time spent for Ph.D.	B. Doctoral Development Discussions	C. Indexed paper publications	D. Patent Grants	E. Funding and Consultancy Activities	
Mech	17	6	8	0	3	34
Civil	15	3	4	0	10	31
AIDS	11	3	4	5	6	29
ECE	16	6	3	3	1	29
CSE	12	7	5	1	4	29
S&H	14	4	6	0	4	28
AIML & CYS	9	9	4	2	0	24
Auto	8	7	6	1	1	24
MCA	3	15	0	5	0	23
IT	15	5	0	0	0	20
EEE	6	2	8	0	2	17

3rd Cycle Department R&I Review Schedule

S.No.	Date	Department	Time	R&I Coordinator
1	06.05.2025 Tuesday	Auto	10.00 AM	Mr.V.Gurunathan
2		IT	11.30 AM	Dr. K.Rameshkumar
3		ECE	2.00 PM	Dr.S.V.Gurupranes
4	07.05.2025 Wednesday	AI&DS	10.00 AM	Mr.S.Syed Masoodhu
5		S&H	11.30 AM	Dr.S.V.Gurupranes
6		AIML&CYS	2.00 PM	Ms.M.Gomathi
7	08.05.2025 Thursday	Civil	10.00 AM	Dr.B.Bala Vijaya Priya
8		EE(VLSI)	11.30 AM	Dr.A.G.Priya Varshini
9		MCA	2.00 PM	Mr.S.Syed Masoodhu
10	09.05.2025 Friday	Mech	10.00 AM	Dr.A.G.Priya Varshini
11		CSE	11.30 AM	Dr. K.Rameshkumar
12		EEE	2.00 PM	Mr.V.Gurunathan



3rd Cycle Department R&I Review Schedule



AWARDS & RECOGNITIONS

AWARDS & RECOGNITIONS**CONGRATULATIONS****SWAYAM-NPTEL** recognizes**DR. MAHALINGAM COLLEGE OF ENGINEERING AND
TECHNOLOGY**

POLLACHI, TAMIL NADU

as a valuable Local Chapter with a rating of

AA

based on performance in NPTEL Online Certification courses

JAN-APR 2025
PROF. ANDREW THANGARAJ
NPTEL Coordinator
IIT Madras

Rating of NPTEL Local Chapters: AAA - 20; AA - 80; A - 100



AWARDS & RECOGNITIONS

1. **Dr.S.Ramakrishnan, Dean R&I**, successfully completed Indian Patent agent examination and qualified as registered Indian **Patent Agent (Code: IN/PA 6069)**.
2. **Ms. M. Rajalakshmi** from the Department of Artificial Intelligence and Data Science (AI&DS) for the academic year 2024–25 was honored with the "Women Researcher of the Year" award at the national level. This prestigious recognition was jointly presented by the MIT Square Welfare Foundation, India, and Shri Krishnaswamy College for Women, Chennai, on March 8, 2025. She received a certificate and a trophy in acknowledgment of her significant contributions to research.



AWARDS & RECOGNITIONS

DETAILS OF THE PATENT AGENTS - MCET





25



[Home](#) | [Contact Us](#) | [Sitemap](#)
[Skip to Main Content](#) | [Screen Reader Access](#)
A- A+ A+
 English | [Rm](#)



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Electronic Register of Patent Agents

Prefix	:	IN/PA
Agent_Number	:	6069
Agent_Name	:	Ramakrishnan S
AGENT FATHER NAME	:	Srinivasan R
AGENT RESIDENCE ADDRESS	:	No.5, 4th Cross Road, Gandhi Nagar, Sundarapuram,Coimbatore
AGENT PRINCIPAL PLACE OF BUSINESS	:	Dean- Research & Innovation, Dr.Mahalingam College of Engineering and Technology, Pollachi- 642003
AGENT QUALIFICATION	:	M.Tech.
Agent_city	:	Coimbatore
AGENT TELEPHONE NUMBER	:	944XX00081
AGENT FAX NUMBER	:	NA
AGENT EMAIL ID	:	ram77@gmail.com
Agent_Continued_Upto	:	2040-2041
Agent_Last_Date	:	2041







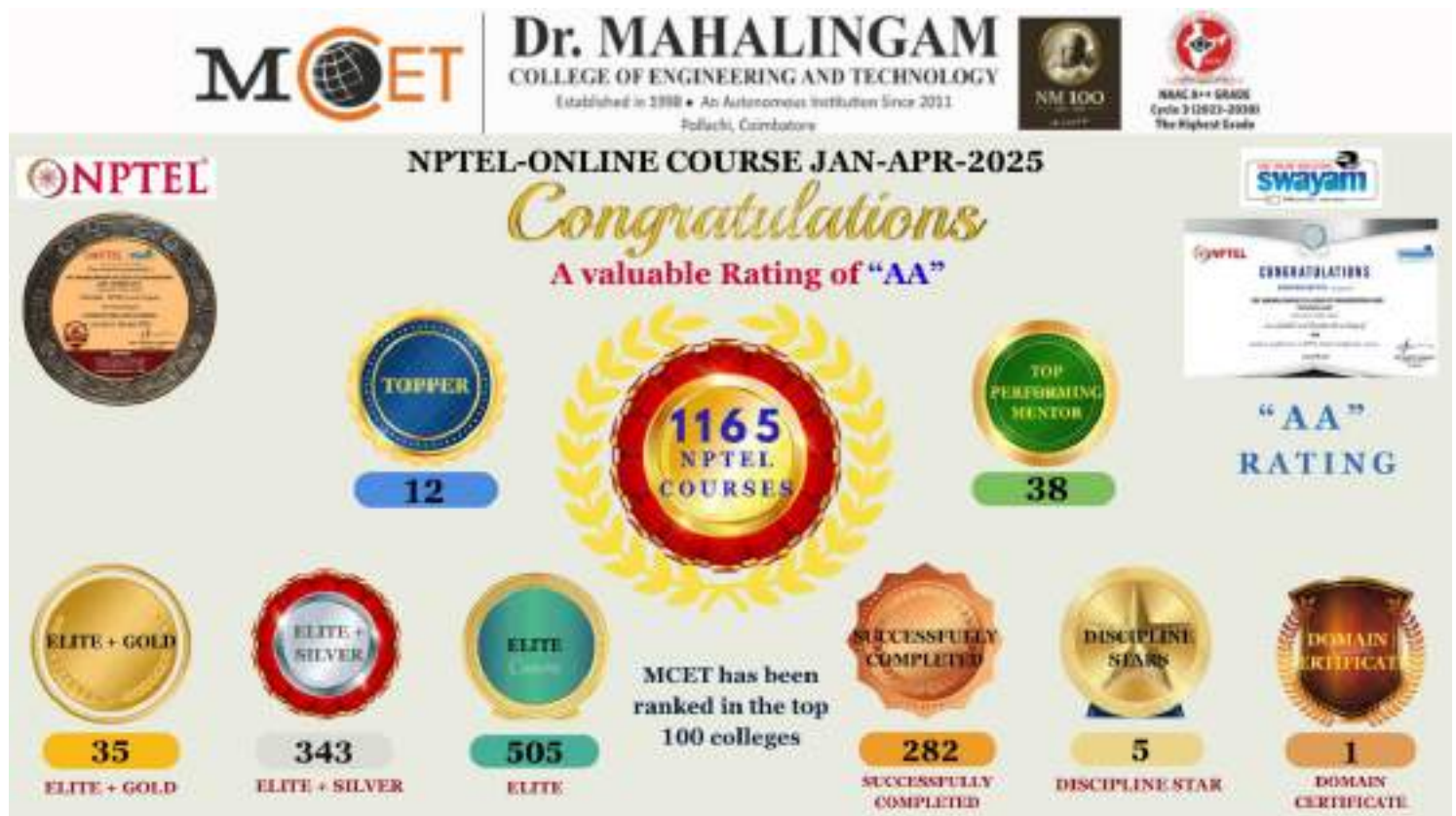
[Terms & conditions](#) | [Privacy Policy](#) | [Copyright](#) | [Hyperlinking Policy](#) | [Accessibility](#) | [Archive](#) | [Contact Us](#) | [Help](#)
 Content Owned, updated and maintained by Intellectual Property India. All Rights Reserved.

AWARDS & RECOGNITIONS

3. **Dr. P. Vivekanandan** was honored with a "**Innovative Teaching Award**" at the International Conference on Intellectual Property Rights, Research & Development, and Awards Ceremony 2025 (**ICIPRRDAC '25**), held on April 26th, 2025, at the Satish Dhawan Auditorium, Indian Institute of Science (IISc), Bangalore.



AWARDS & RECOGNITIONS



MOET DE MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY
 (Approved by AICTE, Affiliated to Anna University, Chennai)
 Chennai - 600 075, Tamil Nadu, India
 Phone: +91 44 2255 1100, Fax: +91 44 2255 1101, Email: info@moet.edu.in
 Website: www.moet.edu.in

MOET DE MAHALINGAM
SCHOOL OF MANAGEMENT AND TECHNOLOGY
Jalandhar Road, Village: Gurdwara, District: B2001
Dr. Jyoti Chavhan Institute of Technology

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
स्वायत्त सॉल्यूटिन्स (स्वायत्त) और प्रगतिशील
विद्युत

AICTE
GOVERNMENT OF INDIA

AWARDS & RECOGNITIONS

Congratulations



Dr. K. Manikandan, AP/ EEE

for Successful completion of Ph.D. for Successful guidance of Ph.D. Scholar

University : Annamalai University

Faculty: Electrical & Electronics Engineering

Thesis Title: A Novel, Economic and Emission Technique for Microgrid with Renewable Energy Sources

DATE OF COMPLETION: 17.03.2025

Congratulations!

SUPERVISOR



Dr.M.Kallamoorthy
Professor,
Department of Electrical and
Electronics Engineering
MCET
AU REF.NO.: 2630020
RESEARCH AREA:
POWER ELECTRONICS, RENEWABLE
ENERGY SOURCES,
ELECTRICAL DRIVES, POWER SYSTEMS

Name of the Scholar: Dr. Praveenkumar. C
University : Anna University
Reg. No.: 16123697152 Faculty: Electrical Engineering
Thesis Title : Suggestion on Magnetic Materials for BLDC Motor
Design and Development of Component Count reduced Drives

DATE OF VIVA VOCE
15.04.2025Office of Dean
Research & Innovation
Congratulations

Dr. P. Ponnai, AP/ IT

for Successful completion of Ph.D.

University : Anna University

Faculty: Information & Communication Engineering

Thesis Title: Investigation on Feature selection and optimization techniques using machine learning algorithms for DDoS phishing detection

DATE OF COMPLETION: 27.03.2025



Office of Dean - Research & Innovation

Congratulations!!!

Anna University
Recognized
Supervisor

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

Ref. No.: EG00013
Area of Specialization: RF,
Microwave

Supervisor Recognition

Office of Dean
Research & Innovation
CongratulationsPublished a Paper in
SCIE Journal

Dr. N. Suresh Kumar
Associate Professor
Department of Electronics &
Communication Engineering

Electrical Engineering

Springer Publication

Research & Innovation

Congratulations

Published a Paper in IEEE
Conference

Authors



Proceedings of the International Conference on Multi-Agent Systems
for Collaborative Intelligence (ICMSCI-2025)

Office of Dean
Research & Innovation

Congratulations

Published a Paper in
SCIE Journal

Dr. P. Harikrishna Sakthi Sadhan
Associate Professor - Research
Department of Mechanical
Engineering

Materials Today Communications

ELSEVIER Publication

Impact Factor - 3.7

Office of Dean
Research & Innovation

Congratulations

Published a Paper in
SCIE Journal

Dr. P. Harikrishna Sakthi Sadhan
Associate Professor - Research
Department of Mechanical
Engineering

Materials Today Communications

ELSEVIER Publication

Impact Factor - 3.7

Research & Innovation
CongratulationsPublished a Paper in
SCIE Journal

Dr. P. Suresh Kumar
Associate Professor
Department of Electronics
Engineering



Dr. N. Suresh Kumar
Associate Professor
Department of Electronics
Engineering

International Information and
Engineering Technology Association
(Traitement du Signal)

IETA Publication

Impact Factor - 1.20

AWARDS & RECOGNITIONS

Office of Dean
Research & Innovation

Congratulations

Published a Paper in
Scopus Journal



Mrs. V. Shanmugavel
Assistant Professor
Civil - Civil Science



Mrs. M. N. Sathya
Assistant Professor
Civil - Civil Science



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

Biomedical Materials & Devices
Springer Publication

Office of Dean
Research & Innovation

Congratulations

Published a Paper in
Scopus Indexed Journal



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

Journal of Neonatal Surgery
PubMed Publishers

Office of Dean
Research & Innovation

Congratulations

Published a Paper
Q1 Journal



Dr. Guruprasad SV
Assistant Professor
Mechanical Engineering

Polymer Composites
WILEY Publication
Impact Factor - 4.80

Office of Dean
Research & Innovation

Congratulations

Published a Paper in
Q1 Journal



Dr. S. Sathya
Assistant Professor
Civil - Civil Science



Dr. S. Sathya
Assistant Professor
Civil - Civil Science



Dr. S. Sathya
Assistant Professor
Civil - Civil Science



Dr. S. Sathya
Assistant Professor
Civil - Civil Science

Journal of Power Sources
ELSEVIER Publication

Office of Dean
Research & Innovation

Congratulations

Published a Paper in
Scopus Indexed Journal



Dr. S. Manojan
Assistant Professor / Visiting
Scholar of Documentation

Communications on Applied
Nonlinear Analysis
International Publications

Office of Dean
Research & Innovation

Congratulations

Published a Paper in
Scopus Journal



Mrs. V. Shanmugavel
Assistant Professor
Artificial Intelligence & Machine Learning



Mrs. P. Pooja
Assistant Professor
Information Technology

International Journal of Computation
Science and Engineering
INDERSCIENCE PUBLISHERS

Office of Dean
Research & Innovation

Congratulations

Published a Paper in
SCIE Journal



Dr. B. S. Venkatesan
Assistant Professor (SG)
Electronics and
Communication Engineering

Journal of the Korean Physical
Society
Springer Publication

Congratulations
Certificate of Recognition
By
Centre For Research
and Innovation

Out of 35 Scholars all over Tamil Nadu, Two Scholars are
from our Mechanical Dept. Research Centre Publishing their
Ph.D. Research in Q1 Ranked Journals



DR. S. V. GURUPRASAD
Assistant Professor
DEPARTMENT OF MECHANICAL ENGG.



DR. R. BHARATHIRAJA
Assistant Professor
DEPARTMENT OF MECHANICAL ENGG.

Congratulations to Mechanical Research Centre

Office of Dean
Research & Innovation

Congratulations

Published a Paper in
Scopus Journal



Dr. R. Ramani
Assistant Professor (SG) / Visiting
Scholar of Documentation

Boletim da Sociedade
Paranaense de Matemática
SBM

AWARDS & RECOGNITIONS

MCET DE MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Mambala Road, Nilgudi, Coimbatore District 642002
NM 100
AICTE Approved & Affiliated to Anna University
An Autonomous Institution
NAAC A++ Grade
Cycle 5 (2023-2026)
The Highest Grade

**Office of Dean
Research & Innovation**

Congratulations

**Published a Paper in
Scopus Journal**


Dr. R. Ramesh
Assistant Professor (SO) / Maths
Science & Humanities



**Neutrosophic Sets and
Systems**
University of New Mexico
Publication

MCET DE MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Mambala Road, Nilgudi, Coimbatore District 642002
NM 100
AICTE Approved & Affiliated to Anna University
An Autonomous Institution
NAAC A++ Grade
Cycle 5 (2023-2026)
The Highest Grade

**Office of Dean
Research & Innovation**

Congratulations

**Published a Paper in
SCIE Journal**


Dr. Ayyappan B
Associate Professor
Mechanical Engineering


Dr. Guruprasad SV
Assistant Professor
Mechanical Engineering


Mr. D. Saravanasan
Technical Assistant
Electrical & Electronic
Engineering



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

MCET DE MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Mambala Road, Nilgudi, Coimbatore District 642002
NM 100
AICTE Approved & Affiliated to Anna University
An Autonomous Institution
NAAC A++ Grade
Cycle 5 (2023-2026)
The Highest Grade

**Office of Dean
Research & Innovation**

Congratulations

**Published a Paper in
Q1 Journal**


Dr. T. Harikrishna Lakshmi Sridhar
Associate Professor - Research
Department of Mechanical
Engineering



**International Journal of Mechanics and
Materials in Design**
Springer Publication
Impact Factor - 2.7

MCET DE MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Mambala Road, Nilgudi, Coimbatore District 642002
NM 100
AICTE Approved & Affiliated to Anna University
An Autonomous Institution
NAAC A++ Grade
Cycle 5 (2023-2026)
The Highest Grade

**Office of Dean
Research & Innovation**

Congratulations

**Published a Paper in
Scopus Indexed Journal**


Mr. J. Raju
Associate Professor
Department of Mechanical
Engineering


Mr. K. Anitha
Associate Professor
Department of Mechanical
Engineering


Mr. S. Arunima
Associate Professor
Department of Mechanical
Engineering



Journal of Neonatal Surgery
Published Publishers


Mr. M. Arunima
Associate Professor
Department of Mechanical
Engineering


Mr. P. Pradeep
Associate Professor
Department of Mechanical
Engineering

MCET DE MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Mambala Road, Nilgudi, Coimbatore District 642002
NM 100
AICTE Approved & Affiliated to Anna University
An Autonomous Institution
NAAC A++ Grade
Cycle 5 (2023-2026)
The Highest Grade

**Office of Dean
Research & Innovation**

Congratulations

**Published a Paper in
Scopus Indexed Journal**


Mr. S. Arunima
Associate Professor
Department of Mechanical
Engineering


Mr. K. Anitha
Associate Professor
Department of Mechanical
Engineering


Mr. S. Arunima
Associate Professor
Department of Mechanical
Engineering



Journal of Neonatal Surgery
Published Publishers


Mr. M. Arunima
Associate Professor
Department of Mechanical
Engineering


Mr. P. Pradeep
Associate Professor
Department of Mechanical
Engineering

MOET DI MAHALINGAM
Office of Dean
Research & Innovation

Congratulations

Published a Paper in
Scopus Indexed Journal

Communications on Applied
Nonlinear Analysis
International Publications

Journal of Materials
Engineering and Performance
Springer Publication
Impact Factor - 2.2

MOET DI MAHALINGAM
Office of Dean
Research & Innovation

Congratulations

Published a Paper in
SCIE Journal

Journal of Materials
Engineering and Performance
Springer Publication
Impact Factor - 2.2

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!
Faculty Achievements in NPTEL

NPTEL ONLINE COURSES JAN - MAR 2023

Dr. N. SURESH
Effective Engineering
Teaching in Practice
Elite-Gold

Dr. N. SURESH
Data Mining
Elite-Silver

Dr. A.G. PRAKASH
Data Mining
Elite-Silver

Dr. N. SURESH
Introduction To Soft
Computing

Dr. C. MOORTHY
Introduction To Soft
Computing

S. KUMAR
Introduction To Soft
Computing

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!
Faculty Achievements in NPTEL

NPTEL ONLINE COURSES JAN - MAR 2023

Dr. S. SURESH
Introduction To Soft
Computing
Elite

S. SURESH
Data Mining for
Engineers
Elite

S. SURESH
Data Mining for
Engineers
Elite

S. SURESH
Introduction To Soft
Computing
Elite

S. SURESH
Introduction To Soft
Computing
Elite

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!
Faculty Achievements in NPTEL

NPTEL ONLINE COURSES JAN - MAR 2023

Dr. S. SURESH
Python for Data
Science
Elite

Dr. T. SURESH
Data Science for
Engineers
Elite

A. SURESH
Introduction To Soft
Computing
Elite

S. SURESH
Python for Data
Science
Elite

S. SURESH
Python for Data
Science
Elite

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!
Faculty Achievements in NPTEL

NPTEL ONLINE COURSES JAN - APR 2023

Dr. S. SURESH
Network Analysis
Elite

S. SURESH
Machine Learning for Engineering
and science applications
Elite

S. SURESH
English language &
competitive course
Elite

S. SURESH
Introduction To Soft
Computing
Elite

S. SURESH
Introduction To Soft
Computing
Elite

Congratulations!
Faculty Achievements in NPTEL

NPTEL ONLINE COURSES JAN - APR 2023

Dr. V. SURESH
Business Fundamentals
for Entrepreneurs
Elite-Silver

Dr. S. SURESH
Online Communication
in the Digital Age
Elite-Silver

Dr. A. SURESH
NEA Accredited and Teaching
and Learning in Engineering
(NATE)
Elite-Silver

Dr. S. SURESH
Machine Learning for Soil
and Crop Management
Elite-Silver

S. SURESH
Environmental Impact
Assessment
Elite-Silver

Dr. S. SURESH
Online Communication
in the Digital Age
Elite

Congratulations!
Faculty Achievements in NPTEL

NPTEL ONLINE COURSES JAN - APR 2023

Dr. S. SURESH
Business Ethics
Elite-Silver

S. SURESH
Business Fundamentals
for Entrepreneurs
Elite-Silver

S. SURESH
Optical Wireless Communications
for Beyond 5G Networks and IoT
Elite

S. SURESH
RF and Microwave
Networks
Elite

S. SURESH
Modern Construction
Materials
Elite

AWARDS & RECOGNITIONS

MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Srinivas Road, Palur, Coimbatore District-642002
An Autonomous Institution Since 2017
Approved by AICTE, Government of India
MAE 07/08/2018
New Criteria, New Approach

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!
Faculty Achievements in **NPTEL**

NPTEL ONLINE COURSE - JAN - APR 2025



Dr. A. SANKARAPANDIAN
Education for Sustainable Development
Elite + Silver



Dr. S. SURESH KUMAR
Introduction To Internet of Things - 4
Beginner
Elite + Silver



P. RAMESH KUMAR
High Acceleration Teaching and Learning in Engineering (ELITE)
Elite + Silver



Dr. GOPINATHAN
Data Analytics with Python
Elite



Dr. S. SURESH KUMAR
Project Management
Elite

MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Srinivas Road, Palur, Coimbatore District-642002
An Autonomous Institution Since 2017
Approved by AICTE, Government of India
MAE 07/08/2018
New Criteria, New Approach

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!
Faculty Achievements in **NPTEL**

NPTEL ONLINE COURSE - JAN - APR 2025



P. S. KISHORE KUMAR
Topper of 3%
Workshop for Sustainable Design
Elite + Silver



K. ANUJA
Workshop for Sustainable Design
Elite + Silver



K. KALAVATHY
Applied Linear Algebra in AI and ML
Elite



N. ANITHA
Introduction for Machine Learning
Elite

MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Srinivas Road, Palur, Coimbatore District-642002
An Autonomous Institution Since 2017
Approved by AICTE, Government of India
MAE 07/08/2018
New Criteria, New Approach

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!
Faculty Achievements in **NPTEL**

NPTEL ONLINE COURSE - JAN - APR 2025

Data Analytics with Python



K. PRADEEP
Elite + Silver



Dr. S. SURESH KUMAR
Elite + Silver



K. NAVEEN KUMAR
Elite + Silver



S. SIVANAYAKE
Elite + Silver



Dr. P. POONI
Elite



T. SUMATHI
Elite

swayam

Congratulations!
Faculty Achievements in **NPTEL**

TOPPERS

IN NPTEL ONLINE COURSE - JAN - APR 2025



Dr. P. A. PERIASAMY
Topper of 1%
Business Ethics
Elite + Gold



Dr. S. AYYAPPAN
Topper
Power Plant Systems Engineering
Elite + Silver



M. SUDHARSANAN
Topper of 5%
Modern Construction Materials
Elite + Silver



J. VENKATESH
Topper of 5%
Renewable Energy Engineering, Solar, Wind and Biomass Energy Systems
Elite

MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Srinivas Road, Palur, Coimbatore District-642002
An Autonomous Institution Since 2017
Approved by AICTE, Government of India
MAE 07/08/2018
New Criteria, New Approach

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!
Faculty Achievements in **NPTEL**

NPTEL ONLINE COURSES JAN - MAR 2025



Dr. S. PONNALAYAS SATHYA
Introduction To Self Computing
Elite + Silver



V. SHANMUGAVANI
Data Science for Engineers
Elite

NPTEL **swayam**

Congratulations!
Faculty Achievements in **NPTEL**

NPTEL ONLINE COURSES JAN - MAR 2025



S. SOUNDARIYA
Topper of 5%
Data Mining
Elite + Silver



S. SIVARANJANI
Topper of 5%
Data Science for Engineers
Elite + Silver

swayam

Congratulations!
Faculty Achievements in **NPTEL**

NPTEL ONLINE COURSES JAN - MAR 2025



Dr. L. SENTHIL KUMAR
Introduction to Machine Learning (Theory)
Elite



K. MANIKUMAR
Python for Data Science
Elite



P. ANITHA
Data Mining
Elite



S. KIRTHIKA
Data Mining
Elite



L. CHANDRAMANI
Data Science for Engineers
Elite

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	1.IEEE Transactions 2.Elsevier 3.IEEE Access 4.Springer 5.Wiley
2	Mechanical Engineering	Dr.T.Ramkumar	1.Journal of Energy Storage 2.Thermal Science and Engineering Progress 3.Journal of Energy Storage 4.Discover Materials
3	S&H-English	Dr.R. Bhuvaneswari	IGI Publications

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	Ms.S.R.Indurekaa /AI&DS	Cloud computing Models Introduction to Distributed Systems and Cloud computing Google App Engine Hands -on- Training	Sri Sairam College of Engineering, Bangalore	05-03-2025
2	Dr. N. Natarajan / Civil	Career opportunities for civil engineers	AIT, Karnataka (online)	29-03-2025
3	Dr. K. Saranya/ EEE	Cryptographic Applications in Reconfigurable Systems: Development and Evaluation	Knowledge Institute of Technology, Salem	15-05-2025 to 16-05-2025

R&I INITIATIVES

R&I INITIATIVES

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)

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

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

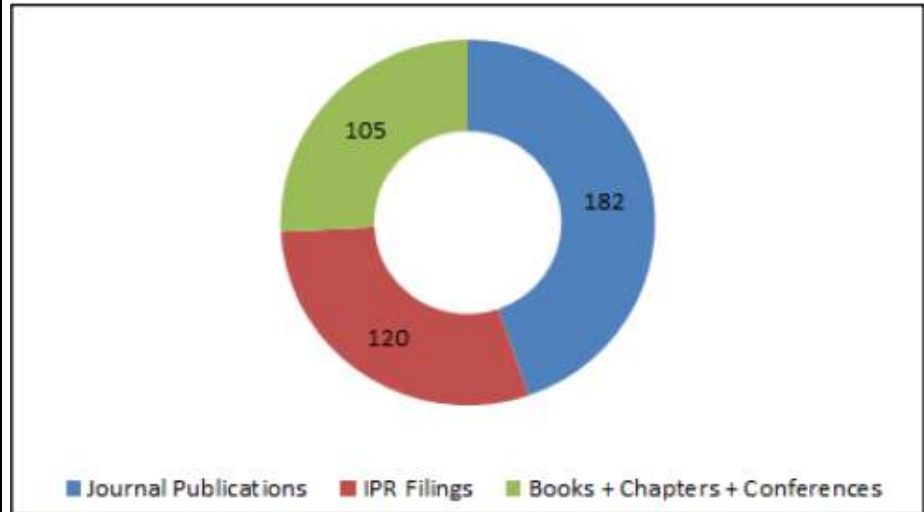
RESEARCH INCENTIVES & SUPPORT

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

RESEARCH COMMUNICATION & PUBLICATION

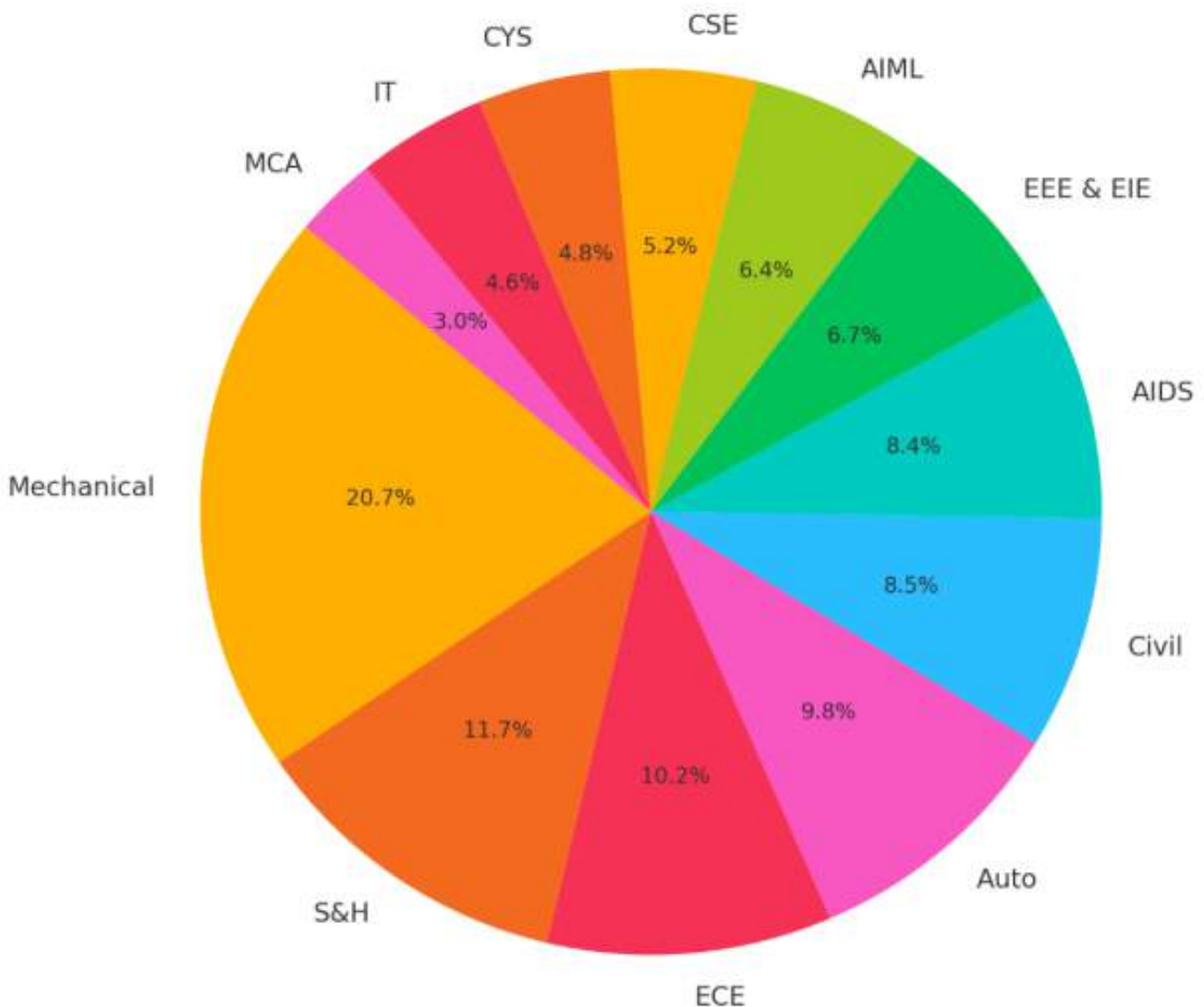
23. Publishing Bi-monthly MCET Research Dashboard
24. Updating Research information periodically in institution webpage
25. Publishing R&I Newsletter
26. Circulating Call for Proposals for external grants
27. Publishing Research Process Handbooks
28. Developing process flows, templates and forms for 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

R&I INITIATIVES



MCET Research Outcomes - Total 407

Overall Research Performance by departments (June 24 - May 25)



R&I INITIATIVES



Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Established in 1998 • An Autonomous Institution Since 2011
POLLACHI, COIMBATORE - 642 003



Office of Dean
Research & Innovation

Ph.D.
Scholars
143

Ph.D.
Supervisors
46

Research Data
(AY 2024 - 2025)



182
Publications in
Journals

47
Books &
Book Chapters

172
Conference
Publications

36 Consultancy
Projects

47 Patents

08 Funded
Projects

Total Revenue
Generated (FY) - **Rs. 10,03,190/-**

Total Amount
Sanctioned (AY) - **Rs. 2,06,01,264/-**

Impacts of RI Initiatives

Number of Indexed Publications
and Granted Patents

Number of Faculty Members
Received Incentives



For 5 Years

For 1 Year

For 1 Year

Incentive Distributed from
Jun 17 - Dec 22
Rs.18,27,500/-

Incentive Distributed from
Jan 23 - Dec 23
Rs.10,56,263/-

Incentive Distributed from
Jan 24 - Dec 24
Rs.14,71,830/-



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**