

R&I Newsletter

Vol.2.Iss.2

SEP - NOV 2024



Office of Dean Research & Innovation 2024-25



Makkinampatti, Tamil Nadu, India
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Editors:

1. Dr. S. Ramakrishnan, Dean, R&I
2. 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

- ✓ **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.**
- ✓ **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.**
- ✓ **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.**
- ✓ **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.**
- ✓ **Review Ph.D. scholars' progress, department R&I activities, ongoing externally funded projects, in-house R&D projects, and institute innovation council.**

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SRC- Empowering Minds: Student Induction Program 2024 - Fostering Research & Innovation

During the Student Induction Program for first-year B.E./B.Tech., students, held on 6th September 2024, Dr. S. Ramakrishnan, the Dean of Research & Innovation, presented an overview of the importance of research in shaping the future of technology and how students can get involved in research activities right from the beginning of their academic journey.

The Students Research Council provided valuable support in spreading awareness about the importance of research.



SRC - IEEE XPLORE Digital Library Training Program

The Central Library has organized a training program aimed at enhancing knowledge and effective utilization of IEEE online journals. The program is designed to benefit students and faculty members by providing hands-on guidance and opportunities through interaction with the expert. The session has been conducted by Mr. Nanda Lal T.S., Senior Training Manager, IEEE & EBSCO Information Services, Delhi.



Date: 11th September 2024
 (Wednesday)
 Time: 2:00 p.m. to 3:30 p.m.
 Venue: Electrical Seminar Hall

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

Dr. MCET STUDENT BRANCH - 61631 | STUDENT RESEARCH COUNCIL -MCET

IEEE
 INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
 Dr. MCET STUDENT BRANCH-61631

IEEE

SRC
 STUDENT RESEARCH COUNCIL -MCET

Central Library Organizes
IEEE Xplore Digital Library Training Program
Mr. Nanda Lal T S
 Senior Training Manager
 IEEE & EBSCO Information Services

Electronic Resources

11.09.2024 Time - 2.00 Pm | Venue - EEE Seminar Hall

Udumalai Road, Pollachi - 642003 | 04259 - 236 040 | 9842221 292 | www.drmcet.ac.in

SRC-INTELLISTART 2024

(Knowledge Sharing Session For First Year Students)

The Student Research Council (SRC) of MCET organized a Knowledge Sharing Session for first-year students on September 23, 2024, from 2:00 p.m. to 4:30 p.m. The session provided insights into project development, commercialization, and skill enhancement, encouraging students to showcase their talents. The event was limited to 400 participants and took place in the CS Hall.

Office of Dean - Research & Innovation
Student Research Council

IntelliStart

A KNOWLEDGE SHARING SESSION

Exclusively for First Year

IntelliStart
2024

- Enhance your skills
- Commercialize projects
- Leverage co-curricular activities
- Excel in communication for a successful future

23 - 09 - 2024
MONDAY

2:00PM - 4:30PM

CS HALL

A Candle loses nothing by lighting another candle

Empowering Students to Make a Difference...

SRC-INTELLISTART 2024

(Knowledge Sharing Session For First Year Students)



SRC - Tech Express Circle – Induction Program

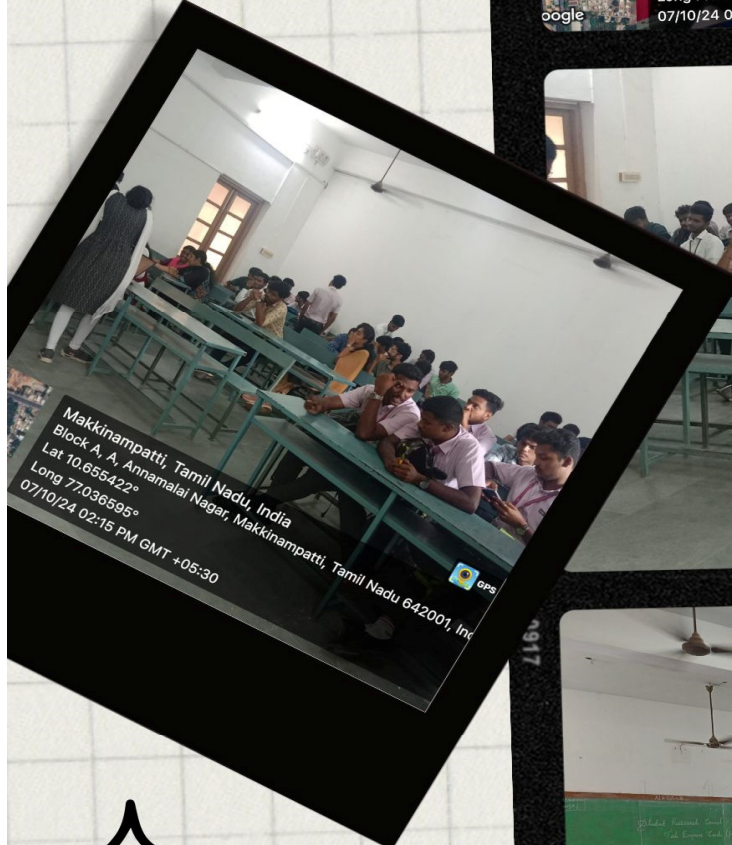
The Student Research Council organized Tech Express Circle, a prime Lead Induction Program, on 7th September 2024 at MCET.

The purpose of the Tech Express Circle is to serve as a platform for promoting and fostering innovation, technology-driven solutions, and collaboration between students, academia, and industry professionals. Through a series of workshops, seminars, and interactions, the Tech Express Circle encourages research, entrepreneurship, and interdisciplinary partnerships, ultimately preparing students and professionals to tackle modern challenges and drive technological progress.

The following table presents the details of the participants.

Stream	S.No.	Domain	Resource Students	No. of Students Enrolled
IT	1.	Cloud Engineering	Gokul, III/IT, Cibi Siddharth, III/AIDS, Priyadharshini, II/AIDS, Mowsikan H, II/ACT, Praveen, III/AIDS	54
	2.	Machine Learning and Artificial Intelligence	Gurudharshan, III/AIML, Praveena Kumaran, III/AIDS, Mouna, II/AIML, Harish, II/AIML	63
	3.	Data Science	Abinavesh, IV/AIDS, Bhuvan Adithya, III/AIDS, Anthoni, III/IT, Pooja, II/AIDS	46
	4.	Cyber Security	Sri Abilash, III/AIDS, Barani, III/IT, Hemanth, II/AIDS, Mahant, II/CYS	55
Core	5.	EV Batteries, Cooling systems	Allwin M, IV/AUTO, Akilan A, III/AUTO, Karthikeyan, II/AUTO, Arjun Manoj, II/AUTO	7
	6.	Electrical and Hybrid Vehicles	Vignesh Rajan G, III/Mech, Kabilesh M, III/Mech, Ibrahim Dhanish J, II/Mech, Harith Kumar A, II/Mech	8
	7.	Alternative Materials	Alamelu K, IV/Civil, Cathrine Jonald J, III/ Civil, V.Santhosh, II/ Civil, Suba Ranjana, II/Civil	23
Circuit	8.	Battery Management System	Mohammad Hassan, III/EEE, Danush, II/EEE, Harini R K, III/EEE, Thanveer Suhail, II/ECE	54
	9.	Power Controller System	Pragadeesh B, IV/EEE, Nalin Kumar, III/EEE, Rithika, III/EEE, Vignesh, II/ECE	
	10.	Embedded and IoT	Pranesh R, IV/ECE, Sivashri, III/EEE, Satheesh, II/EEE, Shyamala, II/EEE, Arun Darshan, II/ECE	40
Total				350

SRC - Tech Express Circle – Induction Program



SRC Students' Participation at ANOKHA 2024

The office bearers of the Student Research Council participated in the Inter-College Technical Symposium, ANOKHA 2024, conducted by Amrita Vishwa Vidyapeetham, Coimbatore, on 17th, 18th, and 19th October 2024.

The council actively took part in a total of 13 technical workshops and 7 technical events during the symposium. The following table presents the details of the students' participation.

S. No.	Student Name	Roll. No.	Name of the Event
1	Magadeswaran K / AIDS	727623BAD100	Deep Dive into Kubernetes, Forge AIML Workshop, Digi Art-Gala (event)
2	Dharshini S / AIDS	727623BAD022	Gen AI Workshop: Trends and Job Opportunities, Triple Trouble (event), Gen AI Workshop: A Deep Dive
3	Ratheesh M / Mech	727623BME044	Tech Talk on Innovations in EV Architecture, CAD Modeling – Rapid Prototyping Showdown, Cricket's Crested Auction (event), Learn from The Leader 2.0
4	Mohamed Fazil K / Mech	727623BME072	Wings of Garuda, Dubai Dialogue (event)
5	Ashwin K / IT	727623BIT117	Generative AI: Trends and Job Opportunities, Forge AI & ML Workshop, Digi Art-Gala (event)
6	Vaishali S / ACT	727623BEA010	Generative AI: Trends and Job Opportunities, Wireless Playground
7	Momal Nafeesha M / Civil	727623BCE004	A Scavenger Hunt (event), New Architectural Hunt - Structural Software Training, Tunnelling and Underground Structures



Ettimadai, Tamil Nadu, India
 WV3X+99F, Amrita University, Ettimadai, Tamil Nadu 641112, India
 Lat 10.903324°
 Long 76.898439°
 17/10/24 09:33 AM GMT +05:30

SRC- A One- Day Workshop on "IPR Awareness"

On 19th October 2024, the Student Research Council (SRC) of MCET successfully organized a one-day workshop on "IPR Awareness" at CS Hall between 10.00 a.m. and 12.00 p.m. The workshop aimed to educate students about the importance of Intellectual Property Rights (IPR) in their academic and professional pursuits. The resource persons for the workshop were **K. Manoj Kumar** and **A. Krishnamoorthy**, Managers at KM IP.



SRC – SMARTATHON 2024- 25

The Student Research Council (SRC) of MCET organized "Smartathon'24-25," an intra-college technical event, on the 25th and 26th of October 2024. The event consisted of three technical activities – Hackathon, Idea Pitching & Project presentation.

Cash Prize for Winners

Prizes	Hackathon (Rs.)	Idea Pitching (Rs.)	Project Presentation (Rs.)
FIRST	6000	4000	3000
SECOND	5000	3500	2500
THIRD	4000	3000	2000

Details of the Events

S.No.	Name of the Event	Venue	Schedule
1	Hackathon	A523 & C317	26/10/2024 – Full day
2	Idea Pitching	Mechanical Seminar Hall	25/10/2024 9.00 a.m.-1.00 p.m.
3	Project presentation	EEE Seminar Hall	Slot 1: 25/10/2024 11.00 a.m.-1.00 p.m. Slot 2: 25/10/2024 2.00 p.m.-4.30 p.m.

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Office of Dean - Research & Innovation
Student Research Council

Smartathon 2k24

PROUDLY PRESENTS

SMARTATHON

Join us as we cultivate a vibrant community, empowering the next generation of innovators and leaders to make a meaningful difference.

REGISTER NOW

26 & 28 OCT 2024

WIN CASH PRIZE
| HACKATHON | PROJECT PRESENTATION |
| IDEA PITCHING |

src.drmcet.ac.in

Student Research Council - DrMcet | src.drmcet.ac.in | src.offl

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Smartathon 2k24

REGISTRATIONS OPENED

EVENTS:
• Hackathon
• Project Presentation
• Idea Pitching

src.drmcet.ac.in

Participate and Win Exciting Prizes
All are Invited to Participate

DATES:
26 - 10 - 2024
28 - 10 - 2024

STUDENT RESEARCH COUNCIL - DRMCET | SRC.DRMCET.AC.IN | SRC.OFFL

Empowering Students to Make a Difference...

SRC – SMARTATHON 2024- 25



SRC – SMARTATHON 2024-25

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

Office of Dean - Research & Innovation
Student Research Council

Congratulations

Winners of IDEA PITCHING



1 Sarathy D (III CYS)

2 Vasantharajan SM
 Hariharan S
 Praveen Kumar S (II AIDS)

3 Praveena Kumaran R
 Harish Kumar A (III AIDS)

Smartathon 2k24

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 Cycle 3 (2023-2030)
 The Highest Grade

Office of Dean - Research & Innovation
Student Research Council

Congratulations

Winners of HACKATHON



1 Harish T
 Subasree S
 Prabhakaran S
 Vimalraj D (II AIML)

2 Thisanth R
 Mohanakrishnaa NS
 Gokulakrishnan K
 Saravana Prasath R (II CYS)

3 Sakthivel K
 Yashwin Raj RM
 Muthuvelan S
 Aswin Kumar (III CSE)

Smartathon 2k24

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 The Highest Grade

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Congratulations

Winners of PROJECT PRESENTATION (Software)



1 Mowsikan H
 Kalaiyarasu S (II ACT)
 Nandha akumar B (II IT)

2 Gokilamani S
 Suthansri Varma K
 Dhiren B (III CSE)

Smartathon 2k24

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 Cycle 3 (2023-2030)
 The Highest Grade

Office of Dean - Research & Innovation
Student Research Council

Congratulations

Winners of PROJECT PRESENTATION (Hardware)



1 Aswin S
 Sridhar R
 Yaswanth SS
 Sabarikarthik E (II ECE)

2 Ragul Priyan G
 Subashree R (II CIVIL)

3 Saravana Prasanna R
 Sathya Shalini S (III CYS)

Smartathon 2k24

STUDENT RESEARCH COUNCIL - DRMCET | SRC.DRMCET.AC.IN | SRCMCT

Empowering Students to Make a Difference...

KNOWLEDGE SHARING SESSIONS CONDUCTED



Knowledge Sharing Sessions Conducted

S.No.	Name of the Event	Resource Person	Date
1	Research aspects of Software Defined Radio technology	1. Mr.S.Murthy, Senior Application engineer, 2. Mr.Ravikumar G, Senior Application engineer, VVDN Technologies Pvt. Ltd., Bangalore.	18.09.2024
2	Contribution to Society through Research	Dr. S. Senthilvelan, Professor, Department of Mechanical Engineering, IIT Guwahati.	20-09-2024
3	Innovations in Automotives	Mr. K.N.Balaji, Sr. Advisor (Rtd.), Automotive, Farm & off Highway Equipment, Brakes India Pvt. Ltd, Chennai.	24-09-2024
4	Controls in Electric Vehicles	Dr. Anbalagan Thangavel, Senior Technical Project Manager at Robert Bosch Engineering and Business Solutions Ltd., Coimbatore.	28.09.2024
5	FESEM and its Application	Mr. Hemant Gourkar & Mr.Rajagopal, Labindia Instruments Pvt. Ltd, Chennai-18.	08.10.2024
6	Ethical Hacking and Malware Analysis	Dr. Jobin Jose, Assistant Professor, Indian Institute of Information Technology, Kottayam.	08.10.2024
7	Research Proposal Writing – Guidelines and Implementation	Dr.K.Ragavan, Associate Professor, Department of Electrical Engineering, IIT, Gandhinagar.	09.10.2024
8	Funding Opportunities	Dr. Prof. M. Alagar, Research Mentor at the Polymer Engineering Laboratory, Department of Chemistry, PSG Institute of Technology & Applied Research, Coimbatore.	22.10.2024
9	Research in Applied Sciences		
10	xAI for ECG Signal Analysis in Heart Disease Identification	Dr.Malaya Kumar Nath, HoD, Department of ECE, National Institute of Technology, Puducherry.	25.10.2024

11	Recent Trends in Artificial Intelligence	Dr.U.Srinivasalu Reddy, Associate Professor, Department of Computer Applications, NIT, Trichy.	25.10.2024
12	AI Tools for Research Excellence	Dr.K.Sowmiya Rani, Ph.D., Founder, Editor & Reviewer, Cactus Communications.	26.10.2024
13	Automotive Product Detailing	Mr. M.Manivannan, Co-founder and Technical director of COMPESS, Chennai.	26.10.2024
14	Dos and Do nots When Using Analytical Instruments	Dr.Allen J Britten, Dean of Science & Technology, Cape Breton University, Sydney, Nova Scotia, Canada.	18.11.2024
15	Funded Project Proposal Submission	Dr. Prof. M. Alagar, Research Mentor at the Polymer Engineering Laboratory, Department of Chemistry, PSG Institute of Technology & Applied Research, Coimbatore.	25.11.2024



Knowledge Sharing Sessions Conducted



**Office of Dean
Research & Innovation**
"RF & VLSI"
Knowledge Sharing Session

Mr. Ravikumar Govindhan
&
Mr. Murthy S
Senior Application Engineer,
VVDN Technologies Pvt. Ltd.,
Bangalore

"Research Aspects of Software Defined Radio Technology"
18.09.2024 @ 02.00 PM
Venue: C.108

All are cordially invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



**Office of Dean - Research & Innovation
&
Department of Mechanical Engineering**
Knowledge Sharing Session on
Contribution to Society through Research



Dr. S. Senthilvelan
Professor
Department of Mechanical Engineering
IIT Guwahati

Date : 20.09.2024, Friday
Venue: C214B- Mechanical Conference Hall
Time: 02.00 P.M
Welcome You All!



**Office of Dean
Research & Innovation**
"Materials, Design & Manufacturing"
Knowledge Sharing Session




Mr. K.N. Balaji
Sr. Advisor (Rtd),
Automotive, Farm & Off-Highway Equipment
Brakes India Pvt. Ltd.


"Innovations in Automotives"
24/09/2024 @ 3.30 PM
Venue: A121, Auto. Dept. Conference Hall

All are cordially invited !!!

Collaborate, Innovate, Elevate: Research Excellence...

**Department of Electrical & Electronics Engineering
&
Office of Dean - Research & Innovation**
Power Electronics and Systems &
Control and Automation
Knowledge Sharing Session



Dr Anbalagan Thangavel
Senior Technical Project Manager
Robert Bosch Engineering and Business
Solutions Ltd. Coimbatore

"CONTROLS IN ELECTRIC VEHICLES"
23.09.2024 @ 9.30 am
Venue: C213, EEE Conference Hall

All are cordially invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



**Office of Dean - Research & Innovation
&
Department of Mechanical Engineering**
Knowledge Sharing Session on
(Online Mode)
FESEM and it's Application



Mr. Hemant Gourkar
General Manager
Nano Bio Process Division
Labindia Instruments Pvt Ltd
Chennai -18



Mr. Rajagopal
National Product Manager
Labindia Instruments Pvt Ltd
Chennai -18

Meeting Link: <https://tinyurl.com/33pun435>
Venue: C214B- Mechanical Conference Hall
Date : 08.10.2024, Tuesday
Time: 10.00 A.M
Welcome You All!




Knowledge Sharing Sessions Conducted

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Department of CSE [Cyber Security]
&
Office of Dean - Research & Innovation

RESEARCH INTEREST GROUP
RIG

Knowledge Sharing Session

Dr. JOBIN JOSE
ASSISTANT PROFESSOR
Indian Institute of Information
Technology, Kottayam

"Ethical hacking & Malware Analysis"
08.10.2024 & 10.30 am
Venue: B201, Workstation

All are cordially Invited !!!

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Department of Electrical and Electronics Engineering
&
Office of Dean Research & Innovation

RESEARCH INTEREST GROUP
RIG

"Power Electronics and Systems & Control and Automation"

Knowledge Sharing Session

Dr. K. Ragavan
Associate Professor,
Department of Electrical Engineering,
IIT, Gandhinagar

"Research Proposal Writing - Guideline and Implementation"
09/10/2024 @ 2.00 PM
Venue: C213, EEE Conference Hall
Organizer(s):
Dr. S. Anthony Jesudurai, AP(SG)
Ms. V. Karpagam, AP(SS)

All are cordially Invited !!!

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Office of Dean
Research & Innovation
KNOWLEDGE SHARING SESSION
ON

FUNDING OPPORTUNITIES

TUESDAY
22 October 2024

TIME
10:30 a.m. - 12:00 p.m.

RESOURCE PERSON
Dr. Prof. M. Alagar,
Research Mentor,
Polymer Engineering Laboratory,
Department of Chemistry,
PSG Institute of Technology & Applied Research,
Coimbatore

VENUE
C103- New Seminar Hall



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Office of Dean
Research & Innovation
KNOWLEDGE SHARING SESSION
ON

RESEARCH IN APPLIED SCIENCES

TUESDAY
22 October 2024

TIME
2:30 p.m. - 4:00 p.m.

RESOURCE PERSON
Dr. Prof. M. Alagar,
Research Mentor,
Polymer Engineering Laboratory,
Department of Chemistry,
PSG Institute of Technology & Applied Research,
Coimbatore

VENUE
C103- New Seminar Hall

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Department of Electronics and Communication Engineering
&
Office of Dean Research & Innovation

RESEARCH INTEREST GROUP
RIG

"Signal & Image Processing"

Knowledge Sharing Session

Dr. Malaya Kumar Nath,
Assistant Professor,
Head of ECE
Department of ECE,
NIT, Puducherry

"AI for ECG Signal Analysis in Heart Disease Identification"
25/10/2024 @ 10.00 am
Venue: C213 EEE Department Conference Hall

Organizer(s): 1. Dr. R. Sudhakar 2. Dr. S. Bharathi

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



Knowledge Sharing Sessions Conducted




Department of Information Technology
 &
Office of Dean Research & Innovation

RESEARCH INTEREST GROUP
 “Artificial Intelligence and Machine Learning”

Knowledge Sharing Session



Dr.U.Srinivasalu Reddy,
Associate Professor,
Department of Computer Applications ,
NIT, Trichy.

“Recent Trends in Artificial Intelligence and Machine Learning”
 25/10/2024 @ 3.00 PM
 Venue: A518 Cloud Computing Lab

Organizer(s): 1. Dr.S.Ponni@sathya. ASP 2. Mrs.G.Saranya. AP

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...




Department of Information Technology
 &
Office of Dean Research & Innovation

RESEARCH INTEREST GROUP
 “Artificial Intelligence and Machine Learning”

Knowledge Sharing Session



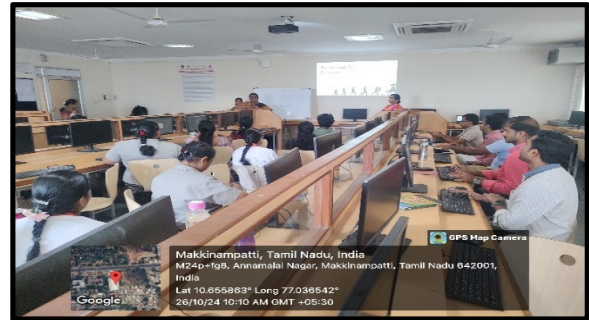
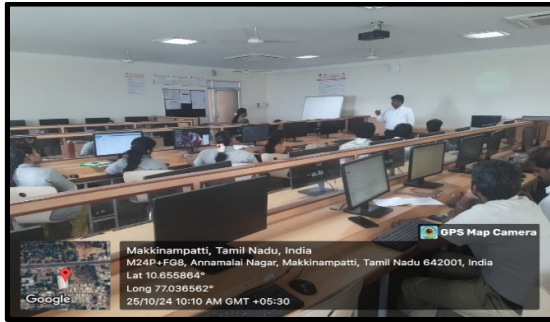
Dr.K.S.Sowmiya Rani,PhD
Founder,Editor & Reviewer
Cactus Communications

“AI Tools for Research Excellence”
 26/10/2024 @ 9.30 AM
 Venue: A518 Cloud Computing Lab

Organizer(s): 1. Dr.S.Ponni@sathya. ASP 2. Mrs.G.Saranya. AP

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...






Office of Dean
Research & Innovation

RESEARCH INTEREST GROUP
 “Materials , Design & Manufacturing”

Knowledge Sharing Session



Mr.M.Manivannan
Co-Founder and Technical Director,
COMPASS
Chennai

“Automotive Product Detailing”
 26.10.2024 @ 04.00 PM
 Venue : Hall No. 12 NPTC

Organizer(s): 1. Dr. S.K.Ashok- AP(SG) 2. Dr. K.Sakthivadivel AP(SG)

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



Knowledge Sharing Sessions Conducted

**Office of Dean
Research & Innovation**

“Energy & Bio-Inspired Materials”

Knowledge Sharing Session

Dr. Allen J Britten
Dean of Science and Technology
Cape Breton University
Sydney, Nova Scotia
Canada

“Do’s and Don’ts When Using Analytical Instruments”

18.11.2024 @ 11.00 AM
Venue: A322 - SH Conference Hall

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...

**Office of Dean
Research & Innovation**

KNOWLEDGE SHARING SESSION

“FUNDING OPPORTUNITIES”

Dr. Prof. M. ALAGAR
RESEARCH MENTOR
POLYMER ENGINEERING LABORATORY
DEPARTMENT OF CHEMISTRY
PSG INSTITUTE OF TECHNOLOGY AND APPLIED
RESEARCH, COIMBATORE

“Session on Funded Project Proposal Submission”
25/11/2024 & 10.30 AM TO 12.30 PM
Venue: A211

Organizers: Mr. V. Gurunathan, AP(SS)/ECE, Ms. V.P. Sushma, AP/AI&DS,
Mr. S. Syed Masoodhu, AP(SS)/CIVIL.

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	Design Of High Gain Multistage CMOS Operational Amplifier For Bio Potential Applications	Mr.D.Gnanaprakasm AP(SS) / EEE	13.09.2024
2	Certain Investigations On Design And Performance Analysis Of MIMO Antennas For Millimeter Wave Communication	Mr.M.Nithyakumar AP/ EEE	13.09.2024
3	Hyper Parameter Tuning For Direct Data Driven Control	Mr.J.Nagarajan AP/ EEE	14.09.2024
4	Certain Investigation On Denial Of Service And Distributed Denial Of Service Attacks In Wireless Networks Via Mitigation	Mr.G.Karthikeyan AP/ EIE	18.09.2024
5	Multimodal Vein Biometric System Using Deep Learning Algorithms	Mr.V.Gurunathan AP(SS)/ ECE	23.09.2024
6	CFST Columns	Mr.A.Praveen Kumar, AP(SS) / Civil	28.09.2024
7	Skill Development Course On Batteries And Energy Storage Technologies	Mr.N.Karthikeyan AP(SS)/ S&H	28.09.2024
8	Hands On Session On Ansys	Mr.M.Mahendran AP(SS)/ Auto	30.09.2024
9	An Analysis Of Ethics Based Foundation And Regulatory Issues In Genomic Data Privacy	Ms.B.Yesodhai AP/MCA	03.10.2024
10	Predictive Analysis Approaches For Software Effort Estimation	Ms.A.G.Priya Varshini, AP(SS)/ IT	08.10.2024
11	Discussion On Sodium Ion Batteries	Dr.S.Parveen, DST-WOS(A)	08.10.2024
12	Road Map To CEH	Dr.M.Sakthivadivel AP(SS)/ Cyber Security	17.10.2024
13	Influences Of Combustion Chamber Geometry On Performance Of Bioethanol Fueled CRDI Engine	Mr.V.D.Tamilarasan AP/ Auto	19.10.2024
14	Research Tools For Modern Scholars (A Guide To Leveraging AI Powered Tools For Efficient Research)	Mr.M.Arun AP(SS)/ AI&DS	19.10.2024
15	Nanomaterials For Photocatalytic Applications	Dr.P.A.Periasamy Asso.Professor/S&H	19.10.2024
16	Accurate Brain Tumor Detection Using Optimised Feature Selection Based Hybrid Algorithm	Ms.J.Rini Angeline Vinshia, AP/ CSE (Cyber Security)	25.10.2024
17	Enhancing Solar Thermal Efficiency: The Role Of Nanofluids In Concentrator Collectors	Mr.J.Venkatesh AP/Mech.	26.10.2024
18	Hydraulic Performance Of Polymer Modified Geosynthetic Clay Liner (GCL) With Black Cotton Soil Permeated With Salt Solutions	Mr.S. Syed Masoodhu AP(SS)/Civil	15.11.2024
19	Investigation Of Mechanical, Tri Biological Behaviours Of Al-Ni- Co- MWCNT Composites Through Powder Metallurgy Technique	Mr.M.Padmanaban AP(SS)/ Mech.	23.11.2024

Activities Organized Through Research Interest Group

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

**Office of Dean
Research & Innovation**
"RF & VLSI"

Research Seminar

Mr. D. Gnanaprakasam
Assistant Professor (SS)
Department of EEE
Dr. Mahalingam College of Engineering and Technology Pollachi

"Design of High Gain Multistage CMOS Operational Amplifier for Bio Potential Applications"

13.09.2024 @ 03.00 PM
Venue: C.308 - ECE Conference Hall

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...

MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
Idumala Road, Pollachi, Coimbatore District 642003
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An Autonomous Institution
MAE A++ GRABE
Cycle 3 (2023-2030)
The Highest Grade

**Office of Dean
Research & Innovation**
"RF & VLSI"

Research Seminar

Mr. M. Nithyakumar
Assistant Professor
Department of ECE
Dr. Mahalingam College of Engineering and Technology Pollachi

"Certain Investigations on design and Performance analysis of MIMO antennas for millimeter wave communication"

13.09.2024 @ 11.00 AM
Venue: C.308 - ECE Conference Hall

All are cordially Invited !!!

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COLLEGE OF ENGINEERING AND TECHNOLOGY
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Cycle 3 (2023-2030)
The Highest Grade

**Office of Dean
Research & Innovation**
Power Electronics and Systems & Control and Automation

Research Seminar

Mr. J. NAGARAJAN
Assistant Professor
Electrical and Electronics Engineering
Dr. Mahalingam College of Engineering and Technology, Pollachi - 03

Seminar on "HYPER PARAMETER TUNING FOR DIRECT DATA DRIVEN CONTROL"

14.09.2024 @ 2.30 pm
Venue: C.213, EEE Conference Hall

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



MCET **Dr. MAHALINGAM**
COLLEGE OF ENGINEERING AND TECHNOLOGY
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MAE A++ GRABE
Cycle 3 (2023-2030)
The Highest Grade

**Office of Dean
Research & Innovation**
"Computer Network & IoT"

Research Seminar

Mr. G. Karthikeyan
Assistant Professor
Electronics and Instrumentation Engineering
Dr. Mahalingam College of Engineering and Technology, Pollachi - 03

"Certain Investigation on Denial of Service and Distributed Denial of Service Attacks in Wireless Networks via Mitigation"

18.09.2024 @ 2.30 PM
Venue: Department of IT, Conference hall

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



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

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

Research Seminar

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

"Multimodal Vein Biometric System Using Deep Learning Algorithms"

23/09/2024 @ 3.00 PM
Venue: C.308, ECE Dept. Conference Hall

All are cordially Invited !!!

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Activities Organized Through Research Interest Group





**Office of Dean
Research & Innovation**

Sustainability and Green Technologies

Research Seminar



Mr. A. Praveen Kumar
Assistant Professor (SS)
Department of Civil Engineering
Dr. Mahalingam College of Engineering and
Technology, Pollachi - 03

CFST COLUMNS
28 SEP 2024 - 2.30 p.m.

Venue: A222 Civil Engg. Conference Hall

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...





**Office of Dean
Research & Innovation**

"Energy & Bio-Inspired Materials"

Knowledge Sharing Session



Mr. N. Karthikeyan
Assistant Professor (SS)
Department of Science & Humanities
Dr. Mahalingam College of Engineering and
Technology, Pollachi - 03

"Skill Development Course on Batteries & Energy Storage Technologies"

28.09.2024 @ 2.15 PM
Venue: A322 SH Conference Hall

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...





**Office of Dean
Research & Innovation**

RESEARCH INTEREST GROUP

"Materials, Design & Manufacturing"

Hands on Training



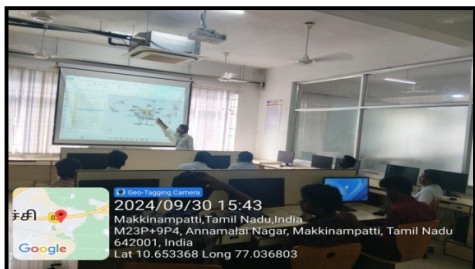
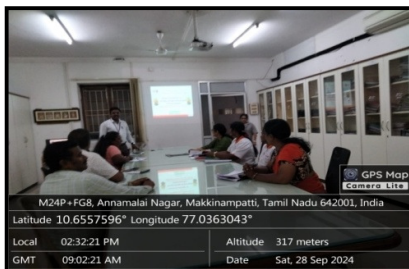
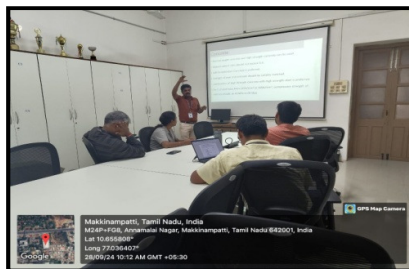
Mr. M. Mahendran
Assistant Professor (SS)
Automobile Engineering
MCET

"Hands on Session on Ansys"
30.09.2024 @ 03.00 PM
Venue: Simulation and Analysis Lab (E203)

Organizer(s): 1. Dr. S.K. Ashok - AP(SG) 2. Mr. M. Padmanaban - AP(SS)

All are cordially Invited !!!

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**Office of Dean
Research & Innovation**

RESEARCH INTEREST GROUP

"Data Science"

Research Seminar



Mrs. B. Yesodhai
Assistant Professor
Department of Computer Applications,
Dr. Mahalingam College of Engineering and Technology,
Pollachi - 642 003

"An analysis of ethics based foundation and regulatory issues in Genomic Data Privacy"
03/10/2024 @ 11.00 AM
Venue: B105, MCA Conference Hall

Organizer(s): 1. Dr. S. Raja Rajeswari, AP 2. Ms. C. Jayashree, AP(SS)

All are cordially Invited !!!

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**Office of Dean
Research & Innovation**

RESEARCH INTEREST GROUP

"Artificial Intelligence & Machine Learning"

Research Seminar



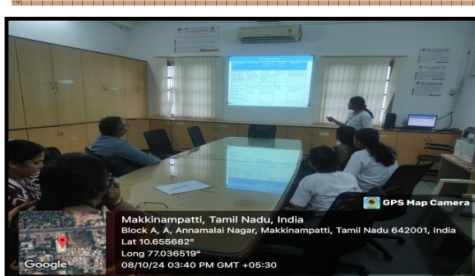
Mrs. A. G. Priya Varshini
Assistant Professor (SS)
Department of Information Technology,
Dr. Mahalingam College of Engineering and Technology,
Pollachi - 642 003

"Predictive Analytics Approaches for Software Effort Estimation"
08/10/2024 @ 3.00 PM
Venue: A317, IT department Library

Organizer(s): 1. Dr. S. Pomi @ Sathya, ASP 2. Dr. J. Bhavithra, AP(SG)

All are cordially Invited !!!

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Activities Organized Through Research Interest Group

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Uthamala Road, Pollachi, Coimbatore District 642003
An Autonomous Institution

Office of Dean
Research & Innovation
RESEARCH INTEREST GROUP

“Energy & Bio-Inspired Materials”

Research Seminar


Dr. S. Farveen
Women Scientist - DST - WOS(A)
Department of Science and Humanities,
Dr. Mahalingam College of Engineering and Technology,
Pollachi - 642 003

“Discussion on Sodium ion Batteries”
08/10/2024 @ 11.45 AM
Venue: A322, S&H Conference hall

Organizer(s):
Dr. B. Saravanakumar, ASP
Dr. J. Johnson William, AP

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Uthamala Road, Pollachi, Coimbatore District 642003
An Autonomous Institution

Office of Dean
Research & Innovation
RESEARCH INTEREST GROUP

“Cryptography and Network Security”

Research Seminar


Dr. M. Sakthivadivel
Assistant Professor (SS)
Department of Computer Science and Engineering (Cyber Security),
Dr. Mahalingam College of Engineering and Technology,
Pollachi - 642 003

“Roadmap to CEH”
17/10/2024 @ 03.00 PM
Venue: AI17, Dean R&I Conference hall

Organizer(s): 1. Dr. M. Sakthivadivel, AP (SS) 2. Mrs. G. Saranya, AP

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Uthamala Road, Pollachi, Coimbatore District 642003
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Office of Dean
Research & Innovation

Energy Engineering & Alternative Fuels

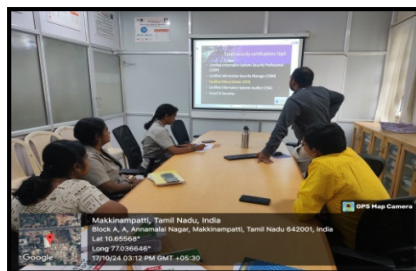
Research Seminar


Mr. V.D. Tamilarasan
Assistant Professor
Automobile Engineering
Dr. Mahalingam College of Engineering and Technology, Pollachi - 03

Research Seminar on “Influences of combustion chamber geometry on performance of Bioethanol fuelled CRDI engine”
19.10.2024 @ 2.00 pm
Venue: A421 - AUTO Conference hall

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Uthamala Road, Pollachi, Coimbatore District 642003
An Autonomous Institution

Office of Dean
Research & Innovation

“Computer Network & IoT”

Research Seminar


Mr. M. Arun
Assistant Professor (SS)
Artificial Intelligence and Data Science
Dr. Mahalingam College of Engineering and Technology, Pollachi - 03

“Research Seminar on Research Tools for Modern Scholars (A guide to leveraging AI-powered tools for efficient research)”
19.10.2024 @ 3.00 pm
Venue: C321A AI&DS Conference Hall

All are cordially Invited !!!


Collaborate, Innovate, Elevate: Research Excellence...

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Uthamala Road, Pollachi, Coimbatore District 642003
An Autonomous Institution

Office of Dean
Research & Innovation

“Energy & Bio-Inspired Materials”

Research Seminar


Dr. P. A. Periasamy
Associate Professor
Department of Science & Humanities
Dr. Mahalingam College of Engineering and Technology, Pollachi - 03

“Nanomaterials for Photocatalytic Applications”
19.10.2024 @ 3.00 PM
Venue: A322 - SH Conference Hall

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



Activities Organized Through Research Interest Group

**Office of Dean
Research & Innovation**

“Computer Network & IoT”

Research Seminar



Ms. J. Rini Angeline Vinshia
Assistant Professor
CSE (Cyber Security)
Dr. Mahalingam College of Engineering and
Technology, Pollachi - 03

**Research Seminar on “Accurate Brain Tumor Detection using
Optimized Feature Selection Based Hybrid Algorithm”**

25.10.2024 & 3.00 pm
Venue: C302 AI&ML Conference Hall

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...

**Office of Dean
Research & Innovation**

**Energy Engineering & Alternative
Fuels**

Research Seminar



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

**Research Seminar on “Enhancing Solar” Thermal Efficiency:
The Role of Nanofluids in Concentrator Collectors”**

26.10.2024 & 3.00 pm
Venue: C216- Mech Conference hall

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...

**Office of Dean
Research & Innovation**

“Sustainability & Green Technologies”

Research Seminar



Mr. S. Syed Masoodhu
Assistant Professor (SS)
Department of Civil Engineering,
Dr. Mahalingam College of Engineering and
Technology, Pollachi

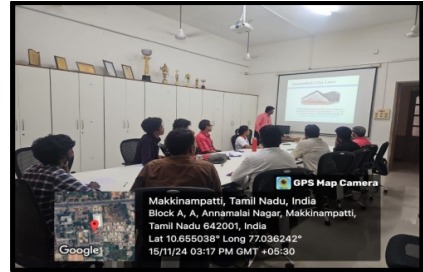
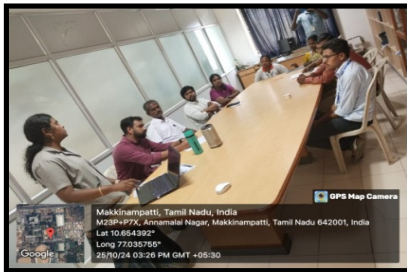
**“Hydraulic Performance of Polymer Modified Geosynthetic
Clay Liner (GCL) with Black Cotton Soil Permeated with
Salt Solutions”**

15/11/2024 at 3.00 PM
Venue: A222, Civil Engineering Department Library

Organizer: Dr. N. Natarajan, Professor, Civil Engineering

All are cordially Invited !!!

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**Office of Dean
Research & Innovation**

RESEARCH INTEREST GROUP

“Materials, Design and Manufacturing”

Research Seminar



Mr. M. Padmanaban
Assistant Professor (SS)
Department of Mechanical Engineering
Dr. Mahalingam College of Engineering and
Technology, Pollachi - 642 003

**“Investigation of Mechanical, Tribological Behaviors of Al-Ni-Co-
MWCNT Composites Through Powder Metallurgy Technique”**

23/11/2024 @ 03:00 PM
Venue: Mechanical Department Conference Hall (C214)

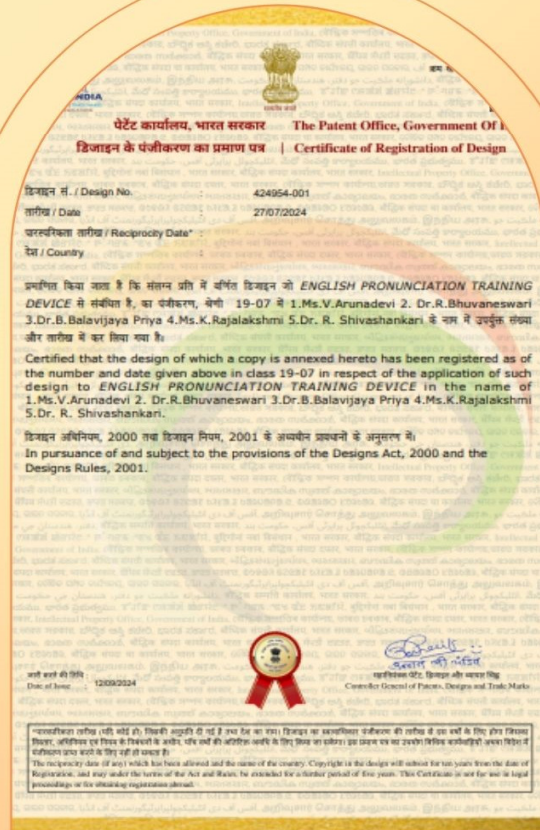
Organizer(s): Dr.SK.ASHOK

All are cordially Invited !!!

Collaborate, Innovate, Elevate: Research Excellence...



DETAILS OF PATENTS GRANTED/ PUBLISHED/FILED



Details of Patents Granted/ Published/ Filed**List of Granted Design Patent**

S.No.	Application No.	Name of the Inventors & Department	Title of the Patent	Month & Year of Publication
1.	429123- 001	Dr. M. Jayaraj, AP(SG)/Mech	Ecobin for water tank	Nov 2024
2.	424954-001	Ms.V. Arunadevi, AP (SS)/English Dr.R. Bhuvaneshwari, AP(SS)/English Dr.B. Bala Vijaya Priya, AP(SS)/English Ms.K. Rajalakshmi, AP(SS)/English Dr. R. Shivashankari, AP/English	English Pronunciation Training Device	Sep 2024
3.	426674-001	Ms.K. Radha, AP (SS)/CSE Ms.S. Devilavanya, AP/ CSE Ms. J.Santhiya, AP/CSE	Artificial Intelligence Based Cloud Security Detecting Device	Sep 2024
4.	425791-001	Dr. D. Sivaganesan, Prof. & HoD/ CSE Dr. M.L. Valarmathi, Prof./ CSE Dr. A Noble Mary Juliet, Associate Prof./ CSE Dr. N. Senthil Madasamy, Associate Prof./ CSE Dr. N Suba Rani, Associate Prof./ CSE Dr. J. Bhavithra, AP(SG)/CSE	IOT Based Electric Vehicle Energy Consumption Predicting Device	Sep 2024
5.	424953-001	Ms.J.Santhiya , AP/CSE Ms.M.Gomathi , AP/CSE Ms.S.Devilavanya, AP/CSE	Smart Food Quality Analyzer	Sep 2024
6.	423439-001	Ms. K S. Sudhishna, AP/IT Ms. A G. Priya Varshini, AP(SS)/IT Dr. S.Ramakrishnan, Dean R&I Dr. M. Jayaraj, AP(SG)/Mech Ms. P. Kalaivani, AP/IT Mr. R. Govindaraj, AP/IT Ms. G. Keerthika, AP/IT	Fabric Pleat Ironing Device	Sep 2024
7.	422859-001	Ms.R.Vidhya, AP /English	Biosensor Based Device to Detect Lung Cancer	Sep 2024

List of Filed / Published Intellectual Property Rights

S.No.	Application No.	Name of the Inventors & Department	Title of the Patent	Month & Year of Publication	Status
1.	202441080456	Mr.J.Venkatesh, AP/Mech.	An innovative time management system for increased productivity	Nov 2024	Filed
2.	434986-001	Mr.J.Dinesh Kumar, AP/Mech.	A Novel Split Casing high performance Pump	Nov 2024	Filed

S.No.	Application No.	Name of the Inventors & Department	Title of the Patent	Month & Year of Publication	Status
3.	431367-001	Mr.V.D.Tamilarasan, AP/Auto	Electric All -Terrain Vehicle Roll Cage	Oct 2024	Filed
4.	431810-001	Mr. S.Mahalingam, AP/Auto	Radio Frequency Power Amplifier Device	Oct 2024	Filed
5.	431368-001	Mr.V.D.Tamilarasan, AP/ Auto	Adjustable Misalignment Control Arm Heim Joint	Oct 2024	Filed
6.	431663-001	Ms.Mithuna, AP/AIML	Smart WIFI LED Ceiling Light	Oct 2024	Filed
7.	431344-001	Ms.M.Gomathi , AP/CSE	AI based Cyber security analytic device	Oct 2024	Filed
8.	429908-001	Mr.S.Nachimuthu, AP /Mech Dr. Balamurali, AP /Mech Dr. S.V. Gurupranes, AP /Mech Mr.J. Nagarajan, AP /EEE M. Lohit, III Mech R.S. Sharveshwaran, III Mech	Integrated tea maker and Bread toaster device	Sep 2024	Filed
9.	430020-001	Dr. S. Ponni Alias Sathya, ASP/IT Dr. S. K. Ashok, AP(SG)/Civil Mr. T. Vijayakumar, AP/AIDS	IOT based Smart plate to detect weight and calorie of the food	Sep 2024	Filed
10.	430529-001	Ms.S.Suthaviji, AP/Civil	Device based on pneumatic system for manufacturing of bio concrete	Sep 2024	Filed
11.	428333-001	Mr.K.Sasi Kumar, AP /Mech	Staircase-climbing suitcase	Sep 2024	Filed
12.	429147-001	Mr.J.Venkatesh, AP /Mech	Parabolic Through Solar Energy Concentrator	Sep2024	Filed
13.	429157-001	Mr.R.Gunasekaran, AP /Mech	Design of Solar powered hybrid agriculture machine	Sep 2024	Filed
14.	426413-001	Dr. N. Natarajan, Prof./Civil Mr.S.Syed Masoodhu, AP(SS)/Civil Ms.S.Sharmila, AP/Civil Mr.S. Dineshkumar, AP/Civil	Outdoor air purifier	Sep 2024	Filed

RESEARCH PUBLICATIONS



Research Publications

Journal Article Publications

1. **Moorthy, C.**, Jampani Chandra Sekhar, Sibghatullah Inayatullah Khan, and Gaurav Agrawal. “Optimized Brain Tumor Identification via Graph Sample and Aggregate-Attention Network with Artificial Lizard Search Algorithm.” *Knowledge-Based Systems* 302 (October 2024): 112362. <https://doi.org/10.1016/j.knosys.2024.112362>. *Indexing: Q1, SCIE*
2. Sedhuramalingam, K., and **N. Saravanakumar**. “A Novel Optimal Deep Learning Approach for Designing Intrusion Detection System in Wireless Sensor Networks.” *Egyptian Informatics Journal* 27 (September 2024): 100522. <https://doi.org/10.1016/j.eij.2024.100522>. *Indexing: Q1, SCIE*
3. **Kamalakkannan, P.E., B. Vinoth Kumar**, and M. Kalamani. “Optimal Nonlinear Fractional-Order Proportional-Integral-Derivative Controller Design Using a Novel Hybrid Atom Search Optimization for Nonlinear Continuously Stirred Tank Reactor.” *Thermal Science and Engineering Progress* 54 (September 2024): 102862. <https://doi.org/10.1016/j.tsep.2024.102862>. *Indexing: Q1, SCIE*
4. **Thangapandi, Anand Kumar, Amit Kumar, Durgalakshmi Karthigeyan**, Suganthi Ramasamy, **Venkatesh Arumugam**, and Gianluca Gatto. “A Novel Artificial Neural Network Based Selection Harmonic Reduction Technique for Single Source Fed High Gain Switched Capacitor Coupled Multilevel Inverter for Renewable Energy Applications.” *Heliyon* 10, no. 19 (October 2024): e38550. <https://doi.org/10.1016/j.heliyon.2024.e38550>. *Indexing: Q1, SCIE*
5. **William, J. Johnson, B. Saravanakumar, S. Parveen, L. Chitra, and A. Senthilkumar**. “Empowering the Negative Electrode of Asymmetric Supercapacitors with the Multi-Walled Carbon Nanotube Supported Iron Tin Oxide Nanoclusters.” *Journal of Energy Storage* 102 (November 2024): 114049. <https://doi.org/10.1016/j.est.2024.114049>. *Indexing: Q1, SCIE*
6. Merlin, R. Tino, **R. Karthick**, A. Aalan Babu, G. Vennira Selvi, D. Usha, and R. Nithya. “Abnormal Events Detection Using Spatio-Temporal Saliency Descriptor and Fuzzy Representation Analysis.” *Scientific Reports* 14, no. 1 (November 30, 2024): 29818. <https://doi.org/10.1038/s41598-024-81387-x>. *Indexing: Q1, SCIE*
7. **Jayaprakash, Ramprasath**, Krishnaraj Natarajan, J. Alfred Daniel, Chandru Vignesh Chinnappan, Jayant Giri, Hong Qin, and Saurav Mallik. “Heuristic Machine Learning Approaches for Identifying Phishing Threats across Web and Email Platforms.” *Frontiers in Artificial Intelligence* 7 (October 21, 2024): 1414122. <https://doi.org/10.3389/frai.2024.1414122>. *Indexing: SCIE*.

8. **Jayaraj, M., S. K. Ashok, Rama Thirumurugan, Dharmalingam Shanmugam, and M. Mahendran.** “Mechanical Properties and Stress Analysis of Natural Fiber Reinforced Polymer Composite Spur Gear.” *Journal of Engineering Sciences* 11, no. 2 (2024): D1–8. [https://doi.org/10.21272/jes.2024.11\(2\).d1](https://doi.org/10.21272/jes.2024.11(2).d1). **Indexing: SCIE.**
9. **Krishnakumar, S.,** V. Sreevidhya, S. Vivek, and V. Priya. “Drought Vulnerability Assessment Using GIS and Remote Sensing Techniques: A Case Study in Part of Coimbatore, Tamil Nadu, India.” *Journal of the Indian Society of Remote Sensing*, November 10, 2024. <https://doi.org/10.1007/s12524-024-02038-2>. **Indexing: SCIE.**
10. Sankarapandian, Krishnapriya, Kanta Naga Rajesh, **Sathish Kumar Pudhukumarapalayam Selvaraj,** and Mohammed Nabi Anwar Gulshan Taj. “Examining Foundry Sand’s Potential as a Partial Substitute for m-Sand through Experimental and Numerical Research.” *Matéria (Rio de Janeiro)* 29, no. 3 (2024): e20240301. <https://doi.org/10.1590/1517-7076-rmat-2024-0301>. **Indexing: SCIE.**
11. Saravanan, Gowtham, Ramakrishnan Thirumalaisamy, **Tamilarasan Velliyampalayam Devaraj,** Chitharthan Shanmugam, Ragu Subramaniyan, Kavi Rasu Kalimuthu, and Neha Sahebkhani Pathan. “Investigation on Morphological and Tensile Properties of Chemically Treated Borassus Flabellifer Lontar Fruit Fibers.” *Matéria (Rio de Janeiro)* 29, no. 3 (2024): e20240166. <https://doi.org/10.1590/1517-7076-rmat-2024-0166>. **Indexing: SCIE.**
12. **Sathiyapriya, T., and R. Sudhakar.** “Design of Circularly Polarized Koch Snowflake Fractal Antenna with Schottky Band Diode Rectifiers for RF Energy Harvesting Applications.” *International Journal of Communication Systems*, November 24, 2024, e6063. <https://doi.org/10.1002/dac.6063>. **Indexing: SCIE.**
13. Thangavel, Sakthivel, **Suthaviji Shanmugavadivel,** Manoj Shanmugamoorthy, and Sampathkumar Velusamy. “Pleurotus Ostreatus Mycelium Biofilters: A Sustainable Approach for Thermal Insulation in Buildings.” *Matéria (Rio de Janeiro)* 29, no. 3 (2024): e20240193. <https://doi.org/10.1590/1517-7076-rmat-2024-0193>. **Indexing: SCIE.**
14. Xu, Xin, Babu Maria Soosai, Yogesh Kumar Sharma, Suresh Vellingiri, Santhanam Vajjiram, **Sakthi Vadivel Kulandaisamy,** G. Venkatakotireddy, Harishchander Anandaram, and Desalew Mihretu Shetie. “Effective Utilization of Bio-Silica(BS) Extracted from Waste Centipede Grass and Titanium Diboride(TiB₂) in Aluminum ADC 12 Alloy: Optimization of Wear Behavior Using Taguchi and Artificial Neural Network (ANN).” *Matéria (Rio de Janeiro)* 29, no. 4 (2024): e20240406. <https://doi.org/10.1590/1517-7076-rmat-2024-0406>. **Indexing: SCIE.**

Research Publications

15. Yadav, Ajit Kumar Singh, K. Padmanaban, V. K. Navya, **D. Sivaganesan**, V. Mani, and A. Kodieswari. “Cloud-Enabled Fog Computing Framework with Wireless Sensor Networks for Data Center Systems on IoT Platform.” *International Journal of Modeling, Simulation, and Scientific Computing*, November 15, 2024, S1793962326410011. <https://doi.org/10.1142/S1793962326410011>. **Indexing: SCIE.**
16. R. Abinprakash, **A. Saranya**, R. Nishanthi “Resolving Decision Making Issues with Nano Soft Logical Operators.” *Advances in Nonlinear Variational Inequalities* 27, no. 4 (September 5, 2024): 303–11. <https://doi.org/10.52783/anvi.v27.1528>. **Indexing: Scopus.**
17. Mercy, E. Latha, R. Aruna, S. Srithar, V. Mani, **D. Sivaganesan**, and G. Baskar. “Contour Detection and Deep Convolutional Neural Networks for Glaucoma Detection.” *International Journal of System Assurance Engineering and Management*, November 9, 2024. <https://doi.org/10.1007/s13198-024-02569-4>. **Indexing: Scopus.**
18. **Ms. N. Punitha** and Ms. A.Kalavathi. “Some Exact Solutions of Two Dimensional Unsteady Incompressible Magneto hydrodynamic Flow of Viscous Fluid by Ansatz Method.” *Advances in Nonlinear Variational Inequalities* 28, no. 1s (November 7, 2024): 102–9. <https://doi.org/10.52783/anvi.v28.2228>. **Indexing: Scopus.**
19. **Muthusami, Rathinasamy**, Kandhasamy Saritha, Deepak Umrao Sarwe, Arumugam Megala, and C. T. Dora Pravina. “An Investigation of Explicit Indicators for Identifying Cyberstalking Incidents Towards Sexism Using Keyword-Assisted Topic Model.” *Journal of The Institution of Engineers (India): Series B*, November 19, 2024. <https://doi.org/10.1007/s40031-024-01181-1>. **Indexing: Scopus.**
20. Deepan Kumar, Sadhasivam, V Arun Raj, **Vishnu Ramesh Kumar R**, and R Manojkumar. “Deep Learning Approach for Optimum Power Management Using IoT in EV Battery Management System,” 2024-28–0085. Delhi, India, 2024. <https://doi.org/10.4271/2024-28-0085>. **Indexing: Scopus.**
21. Loganathan N, **Selvanayakam A**, Anbarasu P & Dr. M. Senthilkumar, “Development of A Penetration Monitoring and Repellent Method for Wild Animals Using Yolov3, Opencv, And Python”, *African Journal of Biological Sciences*, <https://doi.org/10.33472/AFJBS.6.5.2024.4643-4656>. **Indexing: Scopus.**
22. Kumar, M. Dinesh; Vijayashanthi, S.; **Krishnakumar, S.**; Baskar, S.; Gupta, Rupesh; Vadivel, M.; Sivakumar, Vivek, “Focusing The Removal of Dyes from Wastewater Effluents”, *Journal of Environmental Protection and Ecology*. **Indexing: Scopus.**

23. Udhayakumar A, Ramya K C, Vijayakumar P, Sheeba Rani S, Balamanikandan A, **Saranya K**, “Reversible Vedic Direct Flag Divider in Key Generation of RSA Cryptography”, *Journal of VLSI Circuits and Systems*. <https://doi.org/10.31838/jvcs/06.02.08> .Indexing: Scopus.
24. V. Chitra and **B. Maheswari**, “Fermatean Picture Fuzzy Sets”, *Advances in Nonlinear Variational Inequalities*, <https://doi.org/10.52783/anvi.v28.2441>. Indexing: Scopus.

Books Published

1. **V. Arunadevi, K. Rajalakshmi, Dr. B. Bala Vijaya Priya, Dr. R. Shivashankari**, “Communicative English” Charulatha Publications, ISBN: 978-93-6260-044-8.
2. **N. Punitha, S. Chitra, A. Saranya**, Padmini Kaji, “Transform and Partial Differential Equations”, Scientific International Publishing House, ISBN: 978-93-6674-064-5.
3. **Ms.R. Vidhya**, “Poem on Humanity”, JTS Publications, ISBN 978-81-977256-6-1.
4. **Ms. B. Maheswari, Ms. R. Nishanthi**, Anil Kumar G., Mohan, “Discrete Mathematics”, Scientific International Publishing House, ISBN 978-93-6674-605-0.
5. **Ms. R. Vidhya, Dr. R. Bhuvaneswari, Dr. B. Poorani, Ms. D. Nivetha**, “Effective Communication Skills”, Charulatha Publications, ISBN-13: 978-93-6260-273-2.
6. Mr. Proshontah Sarkar, Mr. Amitava Podder, Ms. Taruna Chopra, Mr. Manab Kumar Das, **Ms. Pooja P. Raj**, “Artificial Intelligence: Problem Solving Algorithms”, Alpha International Publication, ISBN 978-93-5762-287-5.

Book Chapters Published

1. Kalaiarasi, Giriraj, Thangavel Sathiya Kamatchi, and **S. Parveen**. “Medicinal Plants and Cancer Therapy and Chemoprevention.” In *Bioactive Compounds from Medicinal Plants for Cancer Therapy and Chemoprevention*, edited by Blassan George, 156–67. Bentham Science Publishers, 2024. <https://doi.org/10.2174/9789815238549124010010>.
2. Rajeshwari, G., S. Mownika, **G. Anupriya**, and R. Kishore. “Fraud Detection in E-Commerce Transactions Using Machine Learning Techniques and Quantum Networks:” In *Advances in Computational Intelligence and Robotics*, edited by Christo Ananth, Osamah Ibrahim Khalaf, and Jose Anand, 146–62. IGI Global, 2024. <https://doi.org/10.4018/979-8-3693-5832-0.ch010>.
3. **R. Sudhakar, V. Gurunathan and A. Shafeek**. “Hybrid fuzzy-based improved particle swarm optimization technique for cancer cell detection” Elsevier, ISBN: 9780443220395.

Book Chapters Published

4. Dr K Murali, K Sambath and **P Boopathirajan**, “Implication of COVID-19 Pandemic to Education in Coimbatore Region, Tamil Nadu, India” In *Child-Centric Disaster Risk Reduction in the Indian Context* edited by Dr. Kumar Raka, Dr. Balu I Dr. R Nithya, Dr. T Geetha, Dr. D Nithya, Bloomsbury Publishing India Pvt. Ltd, ISBN: 978-93-56406-65-0.
5. Dr K Murali, **Dr K Srinivasan and M Sudharsanan**, “Disaster Impact on Mental Health of Children” In *Child-Centric Disaster Risk Reduction in the Indian Context* edited by Dr. Kumar Raka, Dr. Balu I Dr. R Nithya, Dr.T Geetha, Dr D Nithya, Bloomsbury Publishing India Pvt. Ltd, ISBN: 978-93-56406-65-1.
6. Hariharan Thangavel, **M. PrasannaBlessy**, Rohit Kumar, R. Halima, M. Anusuya, “Nanofunctional Materials in Food Processing” In *Introduction to Functional Nanomaterials* edited by M. Anusuya, Fabian I. Ezema, CRC Press, ISBN 9781003495437.

Conference Publications

1. **A G, Priya Varshini**, Anitha Kumari K, **Ramprasath J**, Senthil R, and Gowthamraj R E. “Exploring the Efficacy of Artificial Neural Networks in Software Effort Estimation.” In *2024 2nd International Conference on Sustainable Computing and Smart Systems (ICSCSS)*, 1423–28. Coimbatore, India: IEEE, 2024. <https://doi.org/10.1109/ICSCSS60660.2024.10625645>.
2. **A G, Priya Varshini**, Anitha Kumari K, **Ramprasath J**, Sam Rishi R, Balakrishnan S, and Deepak D. “Optimized Convolutional Neural Network Model for Software Effort Estimation.” In *2024 Third International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN)*, 1–6. Villupuram, India: IEEE, 2024. <https://doi.org/10.1109/ICSTSN61422.2024.10671053>.
3. Balamanikandan, A, **M Saravanakumar**, Sudharsan Gunasekaran, Vasiha Anjum, P Gurusamy, and N Ashokkumar. “Deep Learning in the Detection of Chronic Kidney Disease.” In *2023 4th International Conference on Intelligent Technologies (CONIT)*, 1–6. Bangalore, India: IEEE, 2024. <https://doi.org/10.1109/CONIT61985.2024.10627434>.
4. Devi, T. Kalavathi, K. N. Baluprithviraj, **J Sam Suresh**, G. Kalaiarasi, A. Stephen Sagayaraj, and P. Sakthivel. “Detection and Characterization of Thyroid Cancer Nodule Using Deep Neural Networks -A Review.” In *2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT)*, 1–6. Kamand, India: IEEE, 2024. <https://doi.org/10.1109/ICCCNT61001.2024.10723941>.

Conference Publications

5. **M. Kaliamoorthy**, Vasna Lija Sj, Nithish Kumar D, and Mukeshkumar B. “Analog Implementation of Weighted Median Filter.” In *2024 International Conference on Smart Systems for Electrical, Electronics, Communication and Computer Engineering (ICSSECC)*, 306–8. Coimbatore, India: IEEE, 2024. <https://doi.org/10.1109/ICSSECC61126.2024.10649465>.
6. Mohan, Venkateshwaran, **Sivaganesan D**, Balasubramaniam S, Vikhas S G, and Dhinesh S P. “Collaborative Search With Knowledge Sharing And Summarization.” In *2024 4th International Conference on Sustainable Expert Systems (ICSES)*, 582–90. Kaski, Nepal: IEEE, 2024. <https://doi.org/10.1109/ICSES63445.2024.10763244>.
7. **Moorthy, C., Shafeek A, Gurunathan V**, M. Manoj, V. Naveen, and P. Hari Krishnan. “Comprehensive Exploration of Enhanced Navigation Efficiency via Deep Reinforcement Learning Techniques.” In *2024 Second International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI)*, 1087–94. Coimbatore, India: IEEE, 2024. <https://doi.org/10.1109/ICoICI62503.2024.10696134>.
8. Nimma, Divya, **V. Arunadevi**, Mehul Manu, K S Punithaasree, and Fredrick Ruban Alphonse. “Deep Learning Approaches for Improving English Listening Comprehension in E-Learning Environments for Adult Learners.” In *2024 8th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)*, 924–30. Kirtipur, Nepal: IEEE, 2024. <https://doi.org/10.1109/I-SMAC61858.2024.10714786>.
9. Nimma, Divya, **V. Arunadevi**, Mehul Manu, V. Selvi, and Prema S. “Evaluating AI-Based Deep Learning Models for Enhancing English Reading Comprehension Skills in Students.” In *2024 8th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)*, 1890–95. Kirtipur, Nepal: IEEE, 2024. <https://doi.org/10.1109/I-SMAC61858.2024.10714755>.
10. P, Megala, **Prabhu R**, Devi V, and Yamini S. “Smart Patrolling System Using Machine Learning.” In *2024 Third International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN)*, 1–5. Villupuram, India: IEEE, 2024. <https://doi.org/10.1109/ICSTSN61422.2024.10671193>.
11. **Parveen, S., G. Kalaiarasi, B. Saravanakumar, A. Shanmugapriya, and N. Chithra**. “Preparation, Thermal, and Antioxidant Properties of Aminoguanidinium 2,3-Pyrazine Dicarboxylates.” In *Proceedings of the 1st International Conference on Recent Advancements in Materials Science and Technology, Volume II*, edited by P. Sakthivel, Mangalaraja Ramalinga Viswanathan, and K.

- Ravichandran, 415:35–45. Springer Proceedings in Physics. Cham: Springer Nature Switzerland, 2024. https://doi.org/10.1007/978-3-031-69966-5_4.
12. R, Malathy., S. Krishnapriya, **B. Poorani**, **D. Nivetha**, A. Shajitha Banu, and M. Mohamed Habeeb. “AI at the Helm: Transforming Communicative Education for Engineering Minds with IoT.” In *2024 10th International Conference on Advanced Computing and Communication Systems (ICACCS)*, 2488–93. Coimbatore, India: IEEE, 2024. <https://doi.org/10.1109/ICACCS60874.2024.10717220>.
13. **Sam Suresh, J, G Soundarya**, Vijayakumari Ganesan, and D Vedha Vinodha. “Complementary Split Ring Resonator Loaded Proximity Coupled Triband Antenna for Sub-6 GHz Use Cases.” In *2024 5th International Conference on Smart Electronics and Communication (ICOSEC)*, 121–24. Trichy, India: IEEE, 2024. <https://doi.org/10.1109/ICOSEC61587.2024.10722126>.
14. Sathiesh Kumar, N., Debabrata Barik, and **Bala Murali Nagarajan**. “Optimization of Process Parameter for Passive Type Double Slope Solar Still–Taguchi Method.” In *Proceedings of the 1st International Conference on Recent Advancements in Materials Science and Technology, Volume II*, edited by P. Sakthivel, Mangalaraja Ramalinga Viswanathan, and K. Ravichandran, 415:443–51. Springer Proceedings in Physics. Cham: Springer Nature Switzerland, 2024. https://doi.org/10.1007/978-3-031-69966-5_42.
15. Sathiesh Kumar, N., Debabrata Barik, and **Bala Murali Nagarajan**. “Optimizing Single Slope Solar Stills for Enhanced Freshwater Production: A Study on Efficient Energy Storage Using Sensible Heat Materials.” In *Proceedings of the 1st International Conference on Recent Advancements in Materials Science and Technology, Volume II*, edited by P. Sakthivel, Mangalaraja Ramalinga Viswanathan, and K. Ravichandran, 415:433–42. Springer Proceedings in Physics. Cham: Springer Nature Switzerland, 2024. https://doi.org/10.1007/978-3-031-69966-5_41.
16. Sathish, S., A.V.S Ram Prasad, G. Bharath Reddy, **S. Naveen Kumar**, S. Ram, Anita Gehlot, and Navjot Singh. “Sustainable Nanotechnology in Stir-Cast Al Composites: Mechanical Performance in Energy Applications.” Edited by J. Singh, M. Bechelany, M. Gupta, and V. De Matteis. *E3S Web of Conferences* 588 (2024): 03016. <https://doi.org/10.1051/e3sconf/202458803016>.
17. Selvaraj, Balaji, **J. Venkatesh**, J. Ramesh Babu, V. Senthil Murugan, Lsp. Subbu, Yashwant Singh Bisht, and Anoop Kumar Singh. “Optimizing Biodiesel Production from Hazelnut Kernel Oil and Waste Cooking Oil with CaO Catalyst Using RSM Approach.” Edited by J. Singh, M. Bechelany, M. Gupta, and V. De Matteis. *E3S Web of Conferences* 588 (2024): 01011. <https://doi.org/10.1051/e3sconf/202458801011>.

18. **Sivaganesan, D.**, S. Barath Kumar, S. Krishnadarani, and G. Rashmitha. “Optimization of Vehicular Congestion Control in Traffic Signals Using YOLO Algorithm.” In *2024 International Conference on Smart Systems for Electrical, Electronics, Communication and Computer Engineering (ICSSECC)*, 343–48. Coimbatore, India: IEEE, 2024. <https://doi.org/10.1109/ICSSECC61126.2024.10649430>.
19. Srinivasan, M, **K. Radha**, V. Priya, Shaik Mahaboob Basha, and S. Ravi. “Auto-Detection of Handwritten Text Documents Using Improved Image Processing Technique.” In *2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT)*, 1–5. Kamand, India: IEEE, 2024. <https://doi.org/10.1109/ICCCNT61001.2024.10724959>.
20. **Sugirtham, N.**, and **R. Sudhakar**. “An Augmented Data Storage Algorithm for Digital Assistants Using Cryptography.” In *Proceedings of International Conference on Intelligent Vision and Computing (ICIVC 2023)*, edited by Apu Kumar Saha, Harish Sharma, and Mukesh Prasad, 19:184–92. Proceedings in Adaptation, Learning and Optimization. Cham: Springer Nature Switzerland, 2024. https://doi.org/10.1007/978-3-031-71388-0_15.

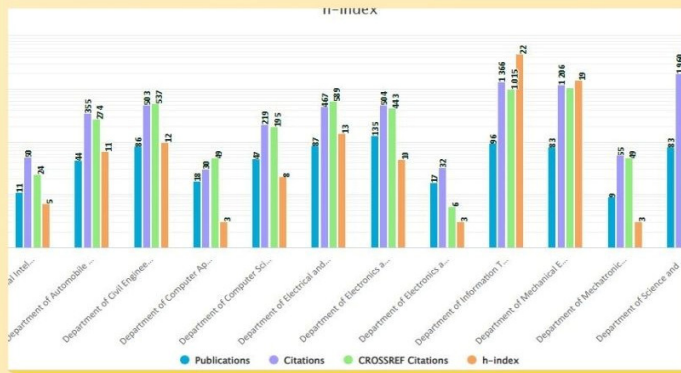
CONSULTANCY ACTIVITIES CARRIED OUT



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 in Rs.
1	Dr.P.S.Kothai Mr.S.Dineshkumar Mr.S.SyedMassodhu	05-11-2024	Civil Engineering	Consultancy charges received for soil testing.	Mr.R.Krishnamurthy, Suleeswaranpatti, Pollachi	8000
2	Mr.S.Dineshkumar Mr.S.SyedMassodhu	26-10-2024		Consultancy charges received for site inspection on 24.10.24.	D.Vivek,Palladam	10000
3	Dr. M. Rama Thirumurugan	23-10-2024	Mechanical Engineering	Testing charges at C-DAT Centre for the month of August 2024.	Sakthi Auto Component Limited	129600
4	Dr.P.S.Kothai Mr.S.Dineshkumar Mr.S.SyedMassodhu	19-10-2024	Civil Engineering	Soil investigation charges for the work on 17.10.24.	Southern Railway,Palani	8000
5		04-10-2024		Received charges for Soil Investigation.	Southern Railway,Palani	8000
6	Mr.S.Dineshkumar Mr.S.SyedMassodhu	12-09-2024		Testing charges received for road inspection.	The Commissioner, Chinnamanur Municipality, Chinnamanur,Theni	5000
7	Mr.S.Dineshkumar Mr.S.SyedMassodhu	12-09-2024	Civil Engineering	Testing charges received for third party inspection of Road & Storm water channel.	Commissioner, Ottanchathram Municipality, Ottanchathram	60000

CITATIONS



Citations



Dr.Mahalingam College of Engineering and Technology
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Dean	1
Head of the Department	2
Professor	7
Associate Professor	25

Scholarly Resources

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Impact

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Departments

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- Department of Civil Engineering (12)
- Department of Computer Applications (2)
- Department of Computer Science and (29)

Top ten Profiles

Dr Saravanakumar Balakrishnan
 Associate Professor
 71 Publications 1 Projects
 1171 Citations 1808 Citations

[View Profile](#)

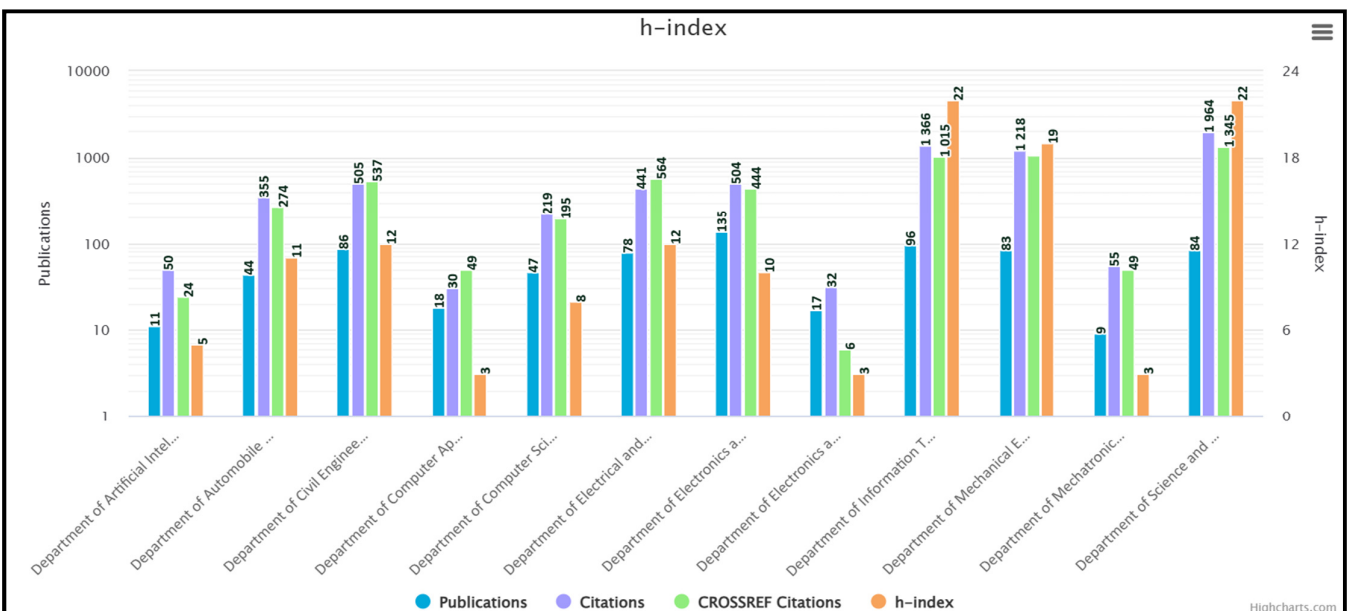
Dr Ramakrishnan S
 Dean

Publications

S.,Muraleedharan C.
 220 Citation 263 Citation

Characterization of untreated and alkali treated n...
 Author: Shanmugasundaram N.;Rajendran I.;Ramkumar T.
 174 Citation 221 Citation

Nanostructured CuO/reduced



Citations

* Total H Index Rankings

Rankings

294,619

7,120

1

Ranking Based On Selection: 1

S Ramakrishnan

Dr Mahalingam College of Engineering and Technology Coimbatore, India

Metrics		
H-Index	i10-Index	Citation Counts
27	51	2,498

Others

Texture Classification Image Watermarking
Image Encryption Wavelets SVD

See All Rankings and Analysis

* Total H Index Rankings

Rankings

421,579

11,838

2

Ranking Based On Selection: 2

B Saravanakumar

Dr Mahalingam College of Engineering and Technology Coimbatore, India

Metrics		
H-Index	i10-Index	Citation Counts
21	34	1,901

Others

Engineering & Technology / Metallurgical & Materials Engineering
Energy storage materials and devices

See All Rankings and Analysis

* Total H Index Rankings

Rankings

450,788

13,011

3

Ranking Based On Selection: 3

T RamKumar

Dr Mahalingam College of Engineering and Technology Coimbatore, India

Metrics		
H-Index	i10-Index	Citation Counts
20	32	1,327

Others

Engineering & Technology / Metallurgical & Materials Engineering
Powder Metallurgy Nano Composites
Surface Engineering Tribology Corrosion

See All Rankings and Analysis

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Dr.S.Ramakrishnan

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

Texture Classification Image Watermarking Image Encryption Wavelets SVD

Cited by 2569

Dr. SARAVANAKUMAR N

Associate Professor, ECE Department, Dr.Mahalingam College of Engineering & Technology
Verified email at drmcet.ac.in

VLSI DESIGN Image Processing

Cited by 156

mcet ece

... and Communication Engineering, Dr.Mahalingam college of engineering & technology ...
VLSI & Embedded system RF Communication Image processing

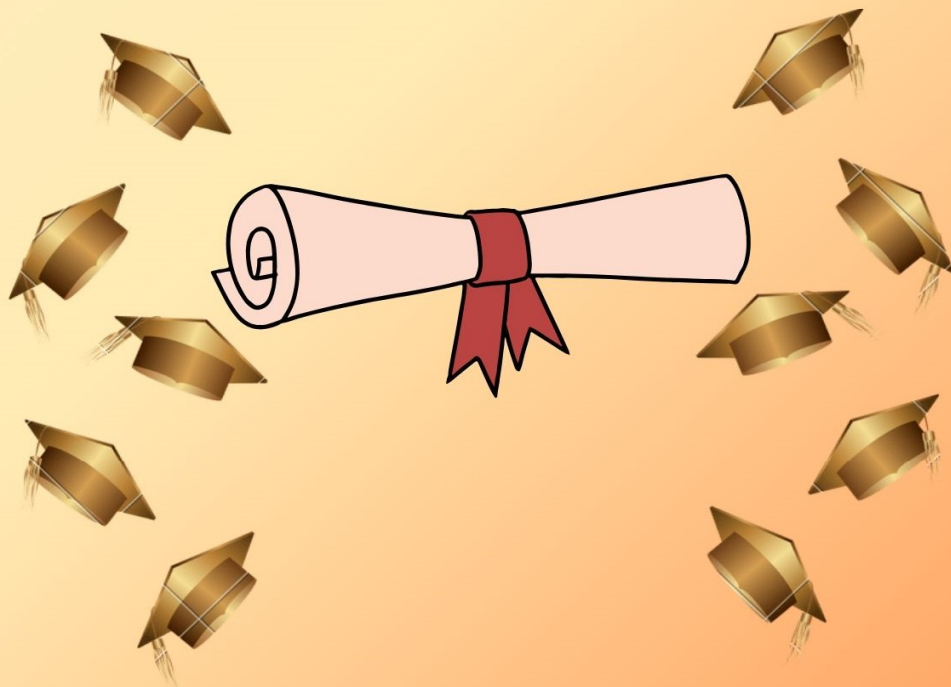
Cited by 142

T.Sathesh Kumar

Assistant Professor/EEE, Dr.Mahalingam College of Engineering & Technology, Pollachi ...
Verified email at drmcet.ac.in

Cited by 109

Ph.D. SCHOLARS & SUPERVISORS



Ph.D. Scholars & Supervisors

Research Particulars	Count
Number of Research centres	7
Number of Supervisors	45
Number of Completed Scholars	97
Number of Ongoing Scholars	139

Details of Ph.D. Supervisors as on Nov 2024

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

Ph.D. Scholars & Supervisors
Details of Completed Ph.D. Scholars as on Nov 2024

S.No.	Name of the Department	No. of Completed Scholars
1.	Automobile Engineering	4
2.	Civil Engineering	5
3.	Mechanical Engineering	11
4.	Mechatronics	1
5.	Information Technology	12
6.	Computer Science and Engineering	9
7.	Artificial Intelligence and Machine Learning and Cyber Security	2
8.	Master of Computer Applications	3
9.	Electronics and Communication Engineering	11
10.	Electrical and Electronics Engineering	21
11.	Electronics and Instrumentation Engineering	2
12.	Science and Humanities	16
Total		97

AWARDS & RECOGNITIONS



Faculty Awards & Recognitions

1. Dr. S. Ramakrishnan, Dean R&I acted as a jury member for the evaluation of innovative projects at Anokha TechFair & Exhibitions 2024, held on 17.10.2024, conducted by Amrita School of Computing, Coimbatore.

2. Dr. A. Noble Mary Juliet, CSE acted as a BOS Member & received a certificate from Jawaharlal College of Engineering and Technology, on 14.10.24.

- ✓ Received a certificate for serving as a Program Committee Member and Reviewer at an international event organized by BITS Pilani on 20.09.24.

3. Ms. S. C. Lavanya, CSE received a certificate for her contribution to "The Greatest Number of Seed Balls Dispersed to Enhance the Habitat of Endangered Species," a project conducted by 2 TN AIR SQN NCC and the Tamil Nadu Forest Department at Valparai, Coimbatore, on 22.10.24.

- ✓ Received a certificate for her participation in NCC activities at the National level, organized by the NCC Directorate, Chennai, on 21.10.24.



Faculty Awards & Recognitions



4. **Dr. B. Saravanakumar, S&H** received the "ACS Peer Reviewer of the Year 2023" certificate from the American Chemical Society at an international event on 10.10.2024.

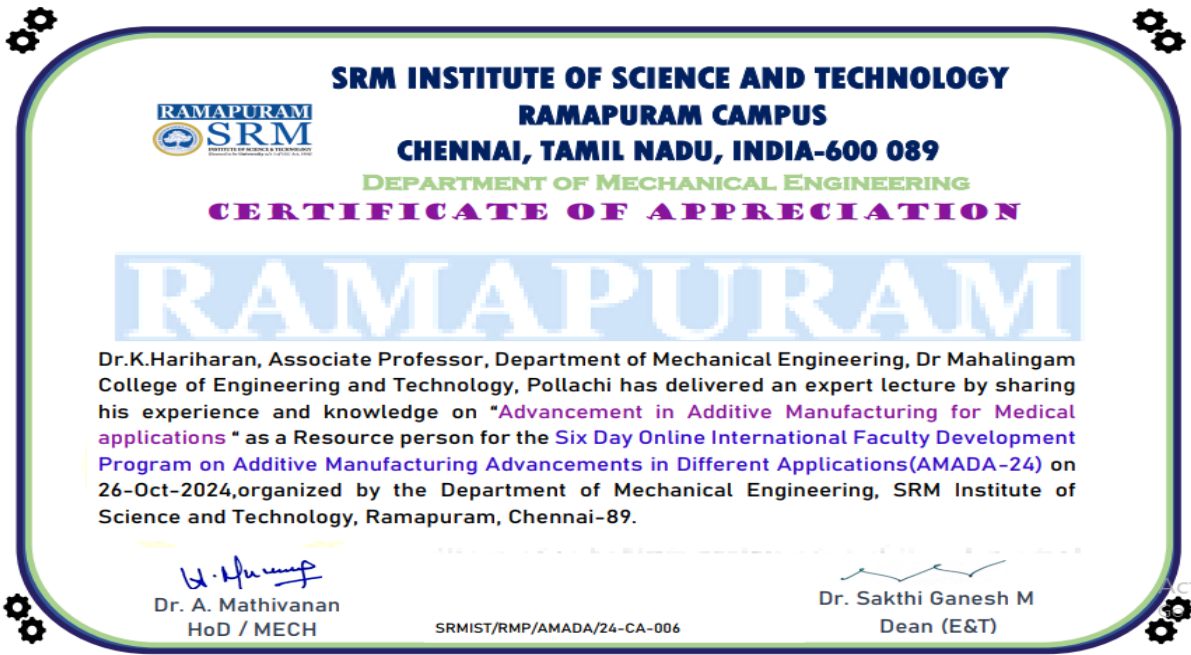
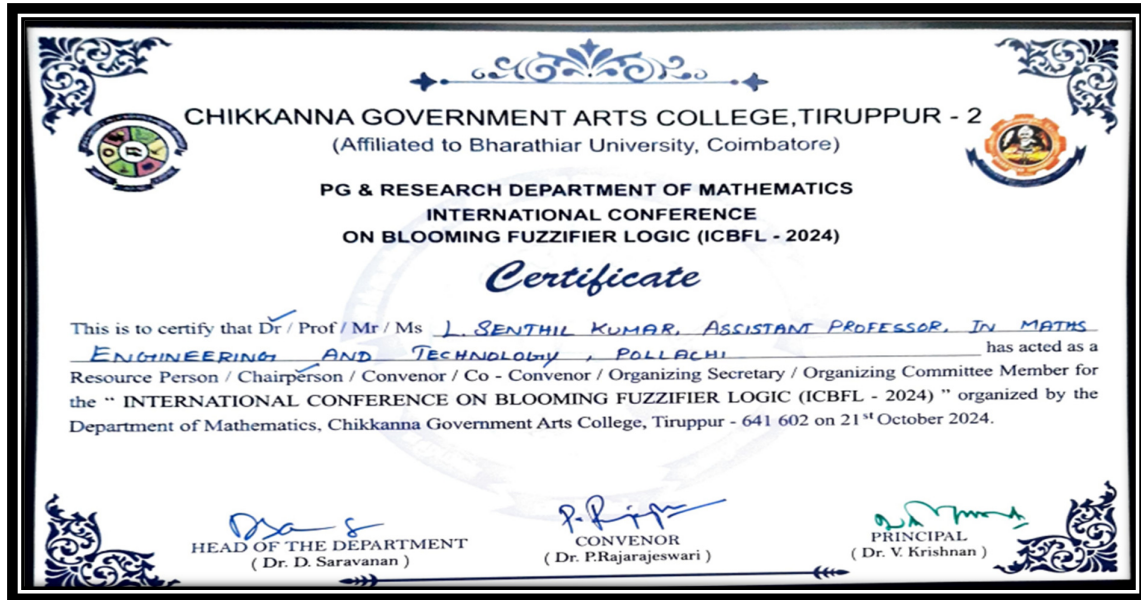
5. **Dr. N. Suba Rani, CSE**, has served as a member in Board of studies meeting on 15-10-2024 at Jawaharlal College of Engineering and Technology, Lakkidi.



6. **Dr.L. Senthil Kumar, S&H**, acted as a Chairperson for the "INTERNATIONAL CONFERENCE ON BLOOMING FUZZIFIER LOGIC (ICBFL - 2024)" organized by the Department of Mathematics, Chikkanna Government Arts College, on 21st October 2024.

7. **Dr. Calvin Sophistus King, Dean IR&TD**, acted as a Special Guest at the CII Tamil Nadu Skills Summit. He was also a panellist at the Panel Discussion on "Future Skills: Bridging Gaps and Building Competencies for Tomorrow's Workforce" on 5 SEP 2024 at Hotel Radisson Blu, Chennai.

Faculty Awards & Recognitions



8. Dr.V.K. Sudha, ECE, acted as a judge for the NSCET Hackathon 2024 (A Technical Marathon), organized on 19/09/24 & 20/09/24 at Nadar Saraswathi College of Engineering and Technology.



Faculty Awards & Recognitions

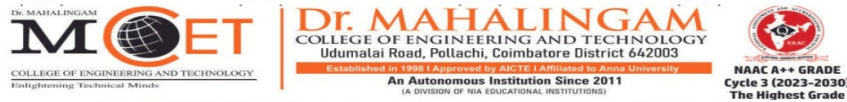
Details of Research Articles Reviewed by the Faculty

S.NO.	DEPARTMENT	NAME OF THE FACULTY	NAME OF THE JOURNAL/ PUBLISHER
1	Information Technology	Dr. S.Ramakrishnan, Dean R&I	IEEE Access
2	Information Technology	Dr.L.Meenachi, HoD	1. Knowledge-Based Systems-Elsevier 2. Cluster Computing
3	Automobile Engineering	Dr.K. Sakthivadivel	1. Asian Journal of Agricultural Extension, Economics & Sociology 2. Journal of Materials Science Research and Reviews
4	Mechanical Engineering	Dr.T.Ram Kumar	1. Journal of Energy Storage 2. Powder Technology 3. Materials & Design
5	Mechanical Engineering	Dr.M.Jayaraj	Bio Materials Connect

Faculty Awards & Recognitions

Participation of Faculty as a Resource Person

S.No.	Name of the Faculty	Topic Delivered in the Event	Venue	Date of the Guest Lecture Program
1	Dr.K.N.Vijeyakumar, HoD, VLSI	Semi-custom and full custom design	P.N.Pudur Agricultural university	11.09.24-12.09.24
2	Dr.K.Hariharan, Mechanical Engineering	Advancement in Additive Manufacturing for Medical applications	SRM Institute of Science and Technology, Chennai	26.10.2024
3	Dr.V.KSudha, Electronics & Communication Engineering	Short term capacity building program on "AI for engineers - Tools, Techniques and Applications"	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	14.10.2024 - 18.10.2024
4	Dr.R.Sudhakar, HoD, Electronics & Communication Engineering	Internal Quality Assurance Mechanisms Meeting NBA Standard and 360 Degree Feedback	Government College Of Technology, Coimbatore	07.11.2024
5	Dr. K. Saranya, Electronics & Communication Engineering	AC Response and Characteristics of CMOS Amplifier and its implementation in CADENCE EDA Tool	Government College of Technology, Coimbatore	11.09.2024



Department of Mechanical Engineering

Congratulations!

Faculty Achievement in



**Dr. Ayyappan S
ASP_Mech**

**Course Name:
Community
Engagement and Social
Responsibility**



12 Weeks

Total Mark Obtained : 96/100

"Discover the Joy of Learning"

AY : 2024-2025 (ODD)

JUL - OCT - 2024

Faculty Awards & Recognitions

Congratulations! MOET Dr. MAHALINGAM COLLEGE OF ENGINEERING & TECHNOLOGY

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

TITLE : FABRIC PLEAT IRONING DEVICE
Design No. : 423439-001

PATENTED

Ms. K.S. Sudhishna (AP/IT) | Ms. A.G. Priya Varshini (AP/SS/IT) | Dr. S. Ramakrishnan (Prof. & Dean RI) | Dr. M. Jayaraj (AP/SG/Mech) | Ms. P. Kalavani (AP/IT) | Mr. R. Govindaraj (AP/IT) | Ms. G. Keerthika (AP/IT)

Illuminating Discoveries

Congratulations! MOET Dr. MAHALINGAM COLLEGE OF ENGINEERING & TECHNOLOGY

Office of Dean Research and Innovation

Certificate for Registration of Copyright

Reg. No: 1222072

Author
Mr. J. Dinesh Kumar
AP-MECH

TITLE: MECHANISM FOR SEGMENTED VALVE AND FUEL INJECTION FOR IC ENGINES

COPYRIGHT (12 MONTHS REQUIRED) | **PATENTED** (CANADA)

Illuminating Discoveries

Congratulations! MOET Dr. MAHALINGAM COLLEGE OF ENGINEERING & TECHNOLOGY

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

TITLE : STAPLER
CLASS: 25-02
Design No. : 419905-001

Inventors

Dr. S. Bharathi (AP/EECE) | Mr. K.R. Gokul Anand (AP/SS/EECE) | Ms. R. Sherine Jenny (AP/SS/EECE) | Mrs. N. Sugirtham (AP/SS/EECE) | Dr. R. Sudhakar (Prof./Head - ECE) | Dr. B. Kannapiran (Prof./Head - IGC)

Department of Electronics & Communication Engineering

Illuminating Discoveries

Congratulations! MOET Dr. MAHALINGAM COLLEGE OF ENGINEERING & TECHNOLOGY

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

TITLE: SMART FOOD QUALITY ANALYZER
Design No. : 424953-001

Inventors

Ms. J. Santhiya (AP/CSE) | Ms. M. Gomathi (AP/CSE) | Ms. S. Devilavanya (AP/CSE)

Illuminating Discoveries

MOET Dr. MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY

Office of Dean Research & Innovation

Congratulations

Published a Paper in SCIE Journal

Dr. N. Shanmuga Sundaram (Senior Professor (SI) Mechanical Engineering)

Dr. M. Jayaraj (Senior Professor (SI) Mechanical Engineering)

Mr. K. Vijayakannan (Senior Professor (SI) Mechanical Engineering)

Dr. S. V. Gurusprans (Assistant Professor Mechanical Engineering)

Waste and Biomass Valorization

Springer Publication

Impact Factor - 2.6

MOET Dr. MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY

Office of Dean Research & Innovation

Congratulations

Published a Paper in UGC Care Journal

Mr. K. Subramanian (Associate Librarian)

Dogo Rangsang Research Journal

ISSN: 2347-7180

Faculty Awards & Recognitions

Congratulations!

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

TITLE: ENGLISH PRONUNCIATION TRAINING DEVICE

Design No. : 424954-001

Inventors



Ms. V. Arunadevi
APISSI/English



Dr. R. Bhuvaneshwari
APISSI/English



Dr. B. Bala Vijaya Priya
APISSI/English



Ms. K. Rajalakshmi
APISSI/English



Dr. R. Shivashankari
API/English

Department of Science and Humanities

ILLUMINATING DISCOVERIES

Office of Dean Research & Innovation

Congratulations

Published a Paper in Q1 Journal



Dr. N. Saravanakumar
Associate Professor
Electronics & Communication Engineering



Egyptian Informatics Journal
ELSEVIER Publication
Impact Factor - 5.0

Congratulations!

Office of Dean Research and Innovation

Certificate of Grant for Design Patent

TITLE: IOT BASED ELECTRIC VEHICLE ENERGY CONSUMPTION PREDICTING DEVICE

Design No. : 425791-001

Inventors



Dr. D. Sivaganesan
Prof.&HOD



Dr. M.L. Valarmathi
Prof.



Dr. A. Nobel Mary Juliet, ASP



Dr. N. Senthil Madasamy, ASP



Dr. N. Suba Rani, ASP



Dr. J. Bhavithra, AP(SG)

Department of Computer Science & Engineering

ILLUMINATING DISCOVERIES

Office of Dean - Research & Innovation

Hearty Congratulations



Dr. N. Senthil Madasamy, ASP/CSE
Project Title: Yoga and exercises via virtual reality



Dr. M. Mariyappan, ASP/Civil
Project Title: Experimental study on GGBS and flyash based light weight bricks



Mr. J. Nagarajan, AP/EEE
Project Title: Design and development of IoT based smart glucometer



Ms. S. Thilagavathi, APISSI/ECE
Project Title: Wearable security alert system for women safety in public places



Ms. K. S. Sudhishna, AP/IT
Project Title: Decentralized crowd funding



Dr. K. Umamaheswari, AP(SG)/EEE
Project Title: Automatic solar PV panel cleaning system



Mr. K.R. Gokul Anand, APISSI/ECE
Project Title: Mini Sprouting Machine



Mr. T. Kanagasabapathy, APISSI/CSE
Project Title: Security locking panel system using RFID card



Mr. M. Mahendran, APISSI/Auto
Project Title: Small Size Vibration Tester for Electric Vehicle Batteries

Received a Grant from TNSCST under SPS Scheme (2023-24)

Office of Dean - Research & Innovation

Hearty Congratulations



Coordinator
Dr. V. Umadevi
AP(SG)- Physics



Coordinator
Dr. V. Regina Delcy
AP- Physics

Received a Grant of Rs. 15,000 from TNSCST under Popularization of Science Activities (2023-24)

Programme Title: One day State Level Exhibition on Innovative Ideas in Science and Engineering

Office of Dean Research & Innovation

Congratulations

Published a Paper in Q1 Journal



Dr. P. A. Periyasamy
Associate Professor / Chemistry
Science & Humanities



Dr. S. Saravanakumar
Associate Professor / Physics
Science & Humanities



Dr. Johannes William
Associate Professor / Physics
Science & Humanities



Mr. N. Karthikeyan
Associate Professor (H) / Physics
Science & Humanities

Breaking Barriers of CO₂ in Energy Storage: Hydrothermal Exfoliated Preparation of Nanofibers as Supercapacitor Electrodes

Electrochimica Acta
ELSEVIER Publication
Impact Factor - 5.5

Faculty Awards & Recognitions

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Office of Dean Research and Innovation

Congratulations!

Certificate of Grant for Design Patent

Design No: 416477-001

TITLE: WALKING STICK FOR VISUALLY IMPAIRED PEOPLE / ELDERLY PEOPLE

Patented

Inventors




Mr. M.Sakthivadivel
APISS / CSE (CYS)

Dr.P. Vivekanandan
Prof. & HoD-AIML

ILLUMINATING DISCOVERIES

MCET
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COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalair Road, Pollachi, Coimbatore District 642003
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Office of Dean Research and Innovation

Congratulations!




Dr.Kaliamoorthy M, Prof./EEE
for Successful guidance of Ph.D. Scholar

Dr.Anand Kumar T, AP(SS)/EEE
for Successful completion of Ph.D.

AU Ref. No. : 2630020

University : Anna University
Faculty: Electrical Engineering

RESEARCH AREA: POWER ELECTRONICS, RENEWABLE ENERGY SOURCES, ELECTRICAL DRIVES, POWER SYSTEMS

THESIS TITLE: CERTAIN INVESTIGATIONS ON SOLAR PV-GRID TIED MULTI LEVEL INVERTER FOR SINGLE PHASE APPLICATIONS

DATE OF VIVA VOCE
07.10.2024

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




Office of Dean Research & Innovation

Congratulations

MCET In House R&D Seed Money Project
Published a Paper in Q1 Journal

Patented

Authors

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

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

Dr. S. Parveen
Women Scientist -WOS

Journal of Energy Storage
ELSEVIER Publication

Impact Factor - 8.9

Dr. L. Chitra
ASP / EEE

Dr. A. Senthil Kumar
DEAN- AA

MCET
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COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalair Road, Pollachi, Coimbatore District 642003
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Office of Dean Research & Innovation

Congratulations



Dr. A. G. Priya Varshini, AP (SS) / IT

for Successful completion of Ph.D.

University : PSG College of Technology, Anna University
Faculty: Information & Communication Engineering


THESIS TITLE: PREDICTIVE ANALYTICS APPROACHES FOR SOFTWARE EFFORT ESTIMATION

DATE OF COMPLETION: 14.10.2024

MCET
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Office of Dean Research and Innovation

Congratulations!



SUPERVISOR
Dr. B. Vinoth Kumar
Professor,
EEE, MCET

AU REF.NO.: 2640059
RESEARCH AREA:
IMAGE PROCESSING,
SOFT COMPUTING,
MEDICAL IMAGING

for Successful guidance of Ph.D. Scholar

Name of the Scholar: Dr. Jeya Daisy I
University : Anna University
Reg. No.: 17243691150 Faculty: Electrical Engineering
Thesis Title: Investigation on sweat biomarker for analyzing Performance and classifying stress level in Generation - Z Students using Artificial Neural Network and GA Algorithms

DATE OF VIVA VOCE
30.08.2024

MCET
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COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalair Road, Pollachi, Coimbatore District 642003

Office of Dean Research and Innovation

Congratulations!

Certificate of Grant for Design Patent

Design No. : 423775-001

Patented



Inventor
Mr. Sreejith S.Nair
Assistant Professor(SS)
Mechanical Engineering

Title
COMPACT HEAT EXCHANGER WITH ENHANCED THERMAL EFFICIENCY

ILLUMINATING DISCOVERIES

Faculty Awards & Recognitions

Congratulations!

Office of Dean Research and Innovation

Certificate of Grant for Design Patent
Design No. : 428181-001



Patented

Inventor

Mr. K. PRABHU
Assistant Professor(SS)
Department of Computer Science & Engineering

Title
AI BASED DEVICE FOR REFINING DATA SETS OF TRAINED AI MODEL



@ MCET IPR CELL  Illuminating Discoveries

Congratulations!

Office of Dean Research and Innovation

Certificate of Grant for Design Patent
Design No. : 428028-001



Patented

Inventor

Mr. R. PRABHU
Assistant Professor
Information Technology

Title
DATA LINK HUB FOR ENHANCED CONNECTIVITY



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Office of Dean Research & Innovation

Congratulations

Published a Paper in Q1 Journal



Mr. T. Sathesh Kumar
Assistant Professor (SS)
Electrical and Electronics Engineering



Journal of Energy Storage
ELSEVIER Publication
Impact Factor - 8.9



Congratulations!

Office of Dean Research and Innovation

Certificate of Grant for Design Patent
TITLE: ARTIFICIAL INTELLIGENCE BASED CLOUD SECURITY DETECTING DEVICE
Design No. : 426674-001



Inventors

Ms. K. Radha
APISS/CSE



Ms. S. Devilavanya
AP/CSE



Ms. J. Santhiya
AP/CSE



 Illuminating Discoveries

Congratulations!

Office of Dean Research and Innovation

Certificate of Grant for Design Patent
TITLE
ECOBIN FOR WATER TANK
Design NO:429123-001



Inventors

Dr. Natarajan
Prof./Civil



Dr. M. Jayaraj
AP(SG)/Mech



Mr. S. Dineshkumar
AP/Civil



Mr. S. Syed Masoodh
APISS/Civil



Ms. S. Sharmila
AP/Civil




 Illuminating Discoveries


Office of Dean Research & Innovation

Congratulations


Published a Paper in SCIE Journal




Dr. T. Anand Kumar
Assistant Professor (SS)
Electrical and Electronics Engineering



Dr. K. Uma Maheswari
Assistant Professor (SS)
Electrical and Electronics Engineering



Electrical Engineering
Springer Publication
Impact Factor - 1.6



Faculty Awards & Recognitions

**Office of Dean
Research & Innovation**

Congratulations

Published a Paper in
SCIE Journal



Dr. S. Krishnakumar
Assistant Professor (SS)
Department of Civil Engineering



Journal of the Indian Society of
Remote Sensing
Springer Publication
Impact Factor - 2.2

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!
Faculty Achievements in **NPTEL**

NPTEL ONLINE COURSES JULY - DEC 2024

 Dr. M. Kalliamoorthy Power Electronics with Wide Band Gap Devices Elite+Gold	 P. S. Sathish Kumar Topper of 5% Building Materials as a Cornerstone to Sustainability Elite+Gold	 K. C. Rajarajeshwari Topper of 1% Technical English for Engineers Elite+Gold
 Dr. R. Bhuvaneshwari Topper of 1% Soft Skill Development Elite+Silver	 S. Sethavathi Topper of 5% Building Materials as a Cornerstone to Sustainability Elite+Silver	

**Office of Dean
Research & Innovation**

Congratulations

Published 2 Papers in
SCIE Journal



Dr. D. Sivaganesan
Professor & Head
Computer Science and Engineering



International Journal of Modeling,
Simulation, and Scientific Computing
World Scientific Publication
Impact Factor - 1.0

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!
Faculty Achievements in **NPTEL**

NPTEL ONLINE COURSES JULY - DEC 2024

 R. SHERINE JENNY Topper of 2% Cyber Security and Privacy Elite+Silver	 S. V. GURUPRANES Topper of 5% Rapid Manufacturing Elite+Silver
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Office of Dean
Research & Innovation**

Congratulations

Published a Paper in
Q1 Journal



Dr. B. Saravankumar
Associate Professor / Physics
Science of Humanities



Dr. P. A. Periasamy
Associate Professor / Chemistry
Science of Humanities



Materials Research Bulletin
ELSEVIER Publication
Impact Factor - 5.3

OFFICE OF DEAN - RESEARCH & INNOVATION

Congratulations!
Faculty Achievements in **NPTEL**

NPTEL ONLINE COURSES JULY - DEC 2024


 M. SIVAKUMAR Topper of 5% Introduction to Internet of Things Elite+Gold	 S. SOUNDARIYA Topper of 5% The Joy of Computing using Python Elite+Gold
 C. DEVIPRIYA Topper of 1% Big Data Computing Elite+Silver	 S. GAYATHRI Topper of 2% Big Data Computing Elite+Silver

Students' Awards & Recognitions

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

STUDENT RESEARCH COUNCIL & DEPARTMENT OF CYBERSECURITY

CONGRATULATIONS



MURALI DHARAN K SARATHY D KAVIN KUMAR S

RECOGNIZED IN THE HALL OF FAME BY THE U.S. DEPT OF AGRI, OPM, AND THE DEPARTMENT OF THE INTERIOR FOR IDENTIFYING A CRITICAL SECURITY VULNERABILITY.

EARNED A CASH REWARD OF ₹150


STUDENT RESEARCH COUNCIL - DRMCET SRC.OFFL

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Student Research Council & DEPARTMENT OF CYBERSECURITY

CONGRATULATIONS FOR QUALIFIED INTO SEMI FINAL



DINESH KUMAR R VETTRIVEL U KAVIN KUMAR S

HACKATHONX 24

CONGRATULATIONS TO THE PHOENIX HACKERS ON OFFICIALLY QUALIFYING FOR THE SEMI-FINALS OF THE COIMBATORE HACKATHON! YOUR OUTSTANDING PERFORMANCE, SECURING THE 5TH PLACE, REFLECTS YOUR HARD WORK, TEAMWORK, AND DEDICATION.


STUDENT RESEARCH COUNCIL - DRMCET SRC.OFFL

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CONGRATULATIONS



MURALI DHARAN K

RECOGNIZED IN THE HALL OF FAME BY THE U.S. DEPT OF AGRI, OPM, AND THE DEPARTMENT OF THE INTERIOR FOR IDENTIFYING A CRITICAL SECURITY VULNERABILITY.

EARNED A CASH REWARD OF ₹50

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Student Research Council

CONGRATULATIONS

Department of Cyber Security



"Team Maverick from Cyber Security Department Won Rs.12,000 in Ideathon '24 (Anokha 2024) at Amrita University!"

STUDENT RESEARCH COUNCIL - DRMCET SRC.DRMCET.AC.IN SRC.OFFL

Empowering Students to Make a Difference...

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CONGRATULATIONS! Students Achievements in NPTEL

NPTEL ONLINE COURSES JULY - DEC 2024



M. LOHT 727623BME337 Topper of 2% Rapid Manufacturing Elite+Silver

Y.S. SANDEEP 727622BME067 Topper of 5% Rapid Manufacturing Elite+Silver

J. SATHESH KUMAR 727622BME075 Topper of 5% Rapid Manufacturing Elite+Silver

G. HEMACHANDRAN 727623BMS021 Topper of 5% Environment and Development Elite+Silver

swayam NPTEL

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NPTEL ONLINE COURSES JULY - DEC 2024



K. ANANDH 727622BEC060 Topper of 1% Data Structure and Algorithms using Java Elite+Gold

R. BHARATH 727622BA0088 Topper of 2% Soft Skills Elite+Silver

S. SACHIN 727623BCS053 Topper of 5% Entrepreneurship Elite+Silver

U. SIVARUBINI 727622BAD030 Topper of 2% Soft Skills Elite+Silver

A. LAKSHMITHA 727622BAD018 Topper of 5% Soft Skills Elite+Silver

R.S. MOHANA DHARSHINI 727623BAD020 Topper of 5% Soft Skills Elite+Silver

K. ARULNANDHI 727622BCS046 Topper of 5% Soft Skills Elite+Silver

swayam NPTEL



R&I INITIATIVES

R&I INITIATIVES

A. RESEARCH & COLLABORATION GROUPS

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

B. FACULTY & SCHOLAR DEVELOPMENT

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

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

C. RESEARCH REVIEW & MONITORING

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

D. RESEARCH INCENTIVES & SUPPORT

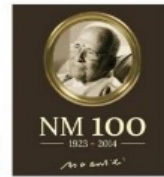
- 19 Coordinating Cash Incentive Distribution to faculty members for Research Contributions
- 20 Developing In-house talent pool, providing Technical & Financial support for IPR Management
- 21 Identifying & Sanctioning In-house R&D Projects for Faculty members and Students
- 22 Facilitating Revenue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

E. RESEARCH COMMUNICATION & PUBLICATION

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



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Office of Dean - Research & Innovation



Dr. S. RAMAKRISHNAN
 Dean - Research & Innovation



Contact Us: Email - deanripa@drmcet.ac.in Mobile - 8870986802 Intercom - 398

Coordinating Towards Progress...

2024-2025



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COLLEGE OF ENGINEERING AND TECHNOLOGY
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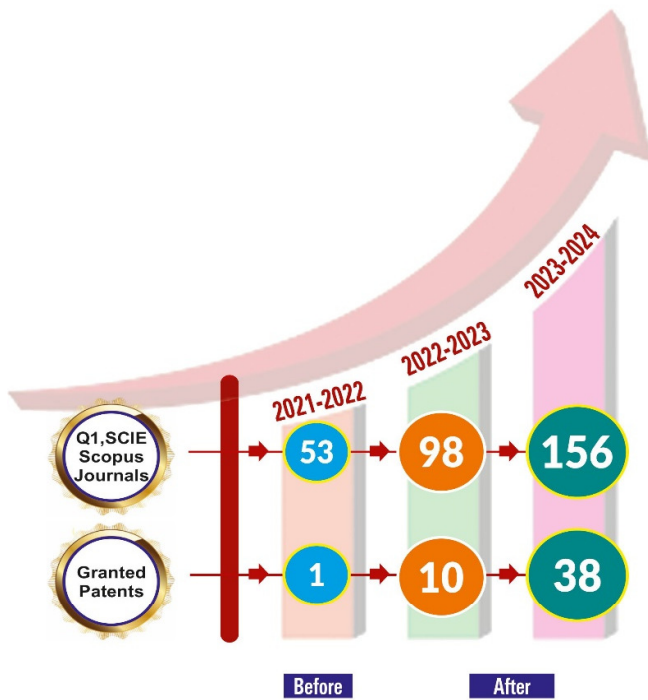
Office of Dean Research & Innovation

Impacts of RI Initiatives

(Before: 2021-2022 | After: 2022-2023 & 2023-2024)

Research Outcomes

Number of Faculty Members Contributed



For 5 Years

For 1 Year

For 6 Months

Incentive Distributed from Jun 17- Dec 22 on 9.6.2023

Rs.18,27,500/-

Incentive Distributed from Jan 23 - Dec 23 on 16.3.2024

Rs.10,56,263/-

Incentive Distributed from Jan 24 - May 24 on 4.1.2025

Rs.13,27,150/-



NM 100

1923 - 2014

As a part of

MOET

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Cycle 3 (2023-2030)
The Highest Grade



CONTACT US

Office of Dean – Research & Innovation,
Dr. Mahalingam College of Engineering &
Technology,

Udumalai Road, Pollachi – 642003,

Mobile: 9442443181

Email: deanri@drmcet.ac.in /

ramki@drmcet.ac.in.