



The Institution of Engineers (India)

Coimbatore Local Centre

QUARTERLY NEWSLETTER

January 2024 | Volume 1

Dr J Krishnamoorthi FIE
Chairman, IEI CLC

Dr G Madhan Mohan FIE
Honorary Secretary, IEI CLC



The Chairman's Desk

The engineering sector in India stands at the nexus of innovation, technology, and sustainable development, positioning the country as a global player set to redefine various sectors. India is anticipated to lead in emerging technologies such as artificial intelligence, machine learning, and robotics, fostering interdisciplinary collaboration and revolutionizing industries. In the evolving urban landscape, engineers are pivotal in the development of smart cities, integrating technology for resource management and sustainable urban planning. The healthcare sector witnesses transformative shifts driven by Indian engineers contributing to innovations in biotechnology, precision medicine, and healthcare delivery systems. As digitization expands, engineers in India are crucial for developing robust cybersecurity measures to safeguard digital assets. With successful space missions by organizations like ISRO, India is poised for significant strides in aerospace engineering and space exploration.

Engineers also play a key role in critical infrastructure development, enhancing connectivity, efficiency, and sustainability in transportation networks and smart infrastructure projects. The future of engineering in India is dynamic, fueled by a commitment to innovation, sustainability, and addressing global challenges, positioning Indian engineers as leaders in shaping a technologically advanced and socially responsible future.

Dr J Krishnamoorthi FIE
Chairman, IEI CLC

Honorary Secretary Desk

Dear Corporate Members,

It is with great pleasure and enthusiasm that I extend a warm welcome to each of you to the inaugural edition of our newsletter from the Institution of Engineers (India), Coimbatore Local Centre. As a Honorary Secretary, I am honored to introduce this platform for communication and collaboration within our esteemed local community.

At IEI Coimbatore Local Centre, our mission is to foster a vibrant network of engineering professionals, enthusiasts, and stakeholders dedicated to the advancement of engineering and technological excellence in our region. Through this newsletter, we aim to provide valuable insights, updates, and opportunities that will enrich your professional journey and contribute to the growth and development of our collective expertise. As we embark on this journey together, I invite each of you to actively participate, contribute your insights, and share your feedback to help shape the future editions of our newsletter. Your involvement is crucial in ensuring that this platform remains relevant, informative, and beneficial to all members of our community. Thank you for your continued support and participation in IEI Coimbatore Local Centre. I am excited about the opportunities that lie ahead for us to learn, grow, and collaborate as we strive for engineering excellence in our region.

Dr G Madhan Mohan FIE
Honorary Secretary, IEI CLC



Best Local Centre Award 2022 - 2023



IEI Coimbatore Local Centre has been adjudged as “Best Local Centre” for all round performance during the year 2022 - 2023 by IEI Headquarters.



Dr J Krishnamoorthi, Chairman & Immediate Past Honorary Secretary, IEI Coimbatore Local Centre received “Best Local Centre” award at 38th IEI Indian Engineering Congress 2023, Jabalpur, Madhya Pradesh

58TH ANNUAL GENERAL MEETING 30th October 2023

58th Annual General Meeting of the Institution of Engineers (India) Coimbatore Local Centre held at PSG College of Technology Campus, Peelamedu, Coimbatore on 30 October 2023. Dr S Shanmugam, Chairman, IEI CLC welcomed the gathering and Honorary Secretary Dr J Krishnamoorthi presented the annual report and audited financial report of the year 2022 - 2023 for the approval and the same was approved by members. The Installation of New Committee: Conducted by Dr S Shanmugam. The new committee for the term 2023 - 2025 was installed, comprising the Chairman, Honorary Secretary,



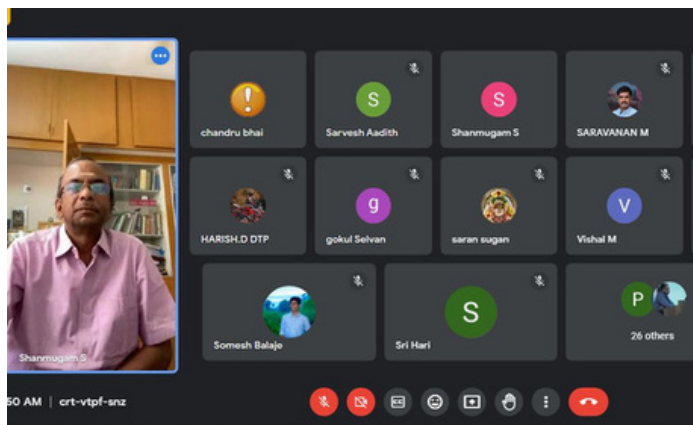
Immediate Past Chairman, and elected members for different engineering divisions. Outgoing Chairman Dr S Shanmugam wished the new team well and thanked the previous committee members. The acceptance Speech delivered by incoming Chairman Dr J Krishnamoorthi emphasized the need for increasing the membership, especially from industries, and pledged to enhance IEI's visibility through quality activities. He also highlighted the financial contribution in the form of donations: Rs. 3,00,000/- for Dr V Ramakrishnan endowment lecture fund and Rs. 50,000/- for Thiru S V Subramaniam memorial student award fund handed over to the Chairman, IEI Coimbatore Local Centre by Vijayalakshmi Ramakrishnan Charitable Trust and Dr K Indra Devi, IEI Member respectively. A special Lecture on the topic “வரலாற்றுத் தேன் ஒரு கரண்டி” (Varalattu thaen oru karandi) by the speaker: Mr Kavianban Babu, Poet, Author, and Historian, Coimbatore. narrated the history of Coimbatore, origin of place names, and stressed the importance of documentation with examples and quotes. About 120 members of IEI, faculty of PSG College of Technology, other institutions, and industry members attended the programme. The incoming Honorary Secretary Dr G Madhan Mohan thanked the members for their participation in the AGM.



TECHNICAL WEBINAR ON INDUSTRIAL ENGINEERING PRACTICES IN TEXTILE INDUSTRIES

06th October 2023

Dr S Shanmugam, Chairman, IE(I), Coimbatore Local Centre, extended a warm welcome to the gathering. Mr Chandru Periyasamy, Executive Industrial Engineer, Jay Jay Mills Private Limited, Tiruppur. The guest speaker delivered a lecture on “Industrial Engineering Practices in Textile Industries”. Ms R Priyanka, Student Secretary, Department of Textile Technology, Kumaraguru College of Technology proposed the vote of thanks.



WORLD HABITAT DAY 2023

13th October 2023



Technical Lecture on “Present Scenario in Solid Waste Management in Coimbatore City Municipal Corporation” organized by IE(I), Coimbatore Local Centre, in association with the Department of Civil Engineering, PSG College of Technology on 13 October 2023. Dr S Shanmugam, Chairman, IE(I), Coimbatore Local Centre, welcomed the guest speaker and participants and briefed them about World Habitat Day.

The speaker also discussed the collection, transportation, and processing of waste in a scientific manner, highlighting issues and challenges faced during different stages. Dr J Krishnamoorthi, Honorary Secretary, IE(I), Coimbatore Local Centre: Concluded the event with a vote of thanks.

TECHNICAL LECTURE ON DEFEND, DETECT AND DEFEAT: A CYBER SECURITY AWARENESS

14th October 2023



Technical Lecture on “Defend, Detect and Defeat: A Cyber Security Awareness” organized by IE(I), Coimbatore Local Centre, in association with the Department of Computer Science and Engineering (Cyber Security), Karpagam College of Engineering on 14 October 2023. Dr S Shanmugam, Chairman, IE(I), Coimbatore Local Centre gave the welcome and presidential address. Mr D Suresh, Additional Superintendent of Police, Cyber Crime Wing, Coimbatore District, the speaker delivered a technical lecture on “Defend, Detect and Defeat: A Cyber Security Awareness”.

WORLD STANDARD DAY 2023

19th October 2023

Technical Lecture on “Realizing SDG 3: Awareness on Being Fit for Healthy Life” organized by IE(I), Coimbatore Local Centre, in association with the Department of Biomedical Engineering, PSG College of Technology on 19 October 2023. Dr J Krishnamoorthi, Chairman, IE(I), Coimbatore Local Centre welcomed the guest speaker and participants and briefed about the World Standards Day.

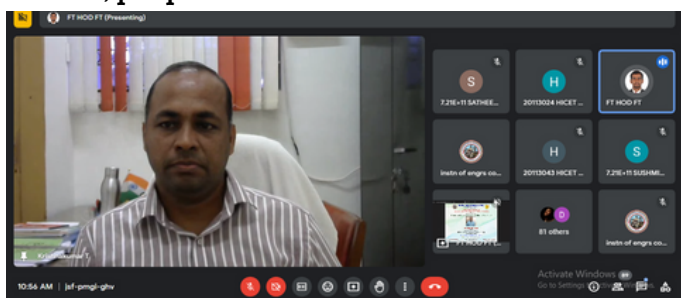
Dr V Ramamoorthy, Professor and Head, Department of Physical Medicine and Rehabilitation, PSG Institute of Medical Sciences and Research, Coimbatore. The speaker explained Body Mass Index (BMI), its calculation, and management strategies. Mrs N Subhashini, Assistant Professor, Department of Biomedical Engineering, PSG College of Technology, Coimbatore concluded the event with the vote of thanks.



TECHNICAL WEBINAR ON POST-HARVEST PROCESSING AND VALUE ADDITION IN TUBER CROPS

15th November 2023

IE(I), Coimbatore Local Centre, in partnership with HICET's Department of Food Technology, hosted a technical webinar on November 15, 2023. Dr T Krishnakumar from ICAR-CTCRI, Thiruvananthapuram, presented on "Post-harvest Processing and Value Addition in Tuber Crops". Dr J Krishnamoorthi, IE(I) Coimbatore's Chairman, welcomed the participants and guest speaker, Dr T Krishnakumar. The webinar covered the valorization of tuber crops, showcasing CTCRI's products from tapioca, potatoes, cassava, sweet potatoes, and yams. Dr G Madhan Mohan, Honorary Secretary of IE(I), Coimbatore Local Centre, proposed delivered vote of thanks.



TECHNICAL LECTURE ON WAFER-SCALE FABRICATION OF TRANSISTORS USING MOCVD

29th November 2023



IE(I), Coimbatore Local Centre, collaborated with PSG Institute of Technology and Applied Research (PSG ITeCh) for a technical lecture on "Wafer-scale fabrication of transistors using MOCVD" on November 29, 2023. Dr J Krishnamoorthi, Chairman of IE(I), Coimbatore Local Centre, welcomed attendees and delivered the presidential address. Dr Loganathan Ravi, Process Engineer from IQE, United Kingdom elaborated on fabrication processes like crystal growth, epitaxy, and etching, discussing applications in LED displays, and networking. The program concluded with a vote of thanks from Dr G Madhan Mohan, Honorary Secretary of IE(I), Coimbatore Local Centre.

ENERGY CONSERVATION DAY

14th December 2023



The collaborative effort between the IE(I), Coimbatore Local Centre, the Department of Mechanical Engineering, and the Indian Green Building Council Student Chapter at PSG College of Technology for the event focusing on "Energy Conservation Through the Green Building - An Overview of the LEED Rating System" held on December 14, 2023.

Dr. G Madhan Mohan's welcome address and introduction to Energy Conservation Day provided a fitting beginning to the event, setting the tone for the discussions ahead. Er. Mahesh Sivaprakasam's expertise as a Green Officer and Indian Green Building Council Accredited Professional - Associate from Thanjavur undoubtedly enriched the event.

ALL INDIA SEMINAR ON "INTERFACING MECHANICAL ENGINEERING WITH ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING"

10th & 11th October 2023



The All-India Seminar on “Interfacing Mechanical Engineering with Artificial Intelligence and Machine Learning” organized by the Institution of Engineers (India), Coimbatore Local Centre, in association with the Department of Mechanical Engineering, SNS College of Technology, was held during 10 - 11 October 2023. The inaugural session welcome address by Dr. J Krishnamoorthi, Honorary Secretary, IE (I), Coimbatore Local Centre. The seminar inaugurated by Mr. Mohan Seshadri, Consultant & ITIS, Tata Consultancy Services, Bangalore and followed the gratitude expressed by Dr. C Sowmya Dhanalakshmi, Professor and Head, Department of Mechanical Engineering, SNS College of Technology.

Technical Session I - Mr. Mohan Seshadri Consultant & ITIS, Tata Consultancy Services, Bangalore presented on the topic “Essentials of Artificial Intelligence in Mechanical

Engineering” and explained the evolution of industry from 1.0 to 4.0 and discussed on AI-based robotics, challenges in AI.

Technical Session II - Mr. Jai Vishnu Selvaraj Managing Director, JV Machine Tools and Robotics, Coimbatore presented on topic “Industrial Robotics Powered by AI” and demonstrated about AI robots in automated industries, focusing on automation and Industry 4.0.

Technical Session III - Dr. V Ananthanarayanan Associate Professor, Department of CSE, School of Computing, Amrita Vishwa Vidyapeetham, Coimbatore. presented on the topic on “IoT Based Predictive Analysis and Maintenance in Smart Industries”, industrial IoT, smart systems, and various technologies underpinning Industry 4.0.

Technical Session IV - Dr. M Elangovan Professor, Department of Aerospace Engineering, SNS College of Technology presented on the topic “Condition Monitoring of Machining Process using Machine Learning” and discussed on condition monitoring using vibration signals, and applications of machine learning in monitoring processes.

Technical Session V - Mr. G Subin Application Engineer, Amazon Development Center India Private Limited, Bangalore presented on the topic, “The Future of Engineering” and discussed on introduction to generative AI and applications of generative AI in various fields.

Technical Session VI - Dr. P Subashini Professor, Department of CSE & Centre for Machine Learning and Intelligence, Avinashilingam Institution for Home Science and Higher Education, Coimbatore. presented on the topic, “Prediction, Detection and Reduction in the Magic of AI in Mechanical Applications”, and discussed on how AI enables predictive maintenance, anomaly detection.

Technical Session VII - Mr. Maheswaran Kathirvel Project Leader, SACHA Engineering PVT LTD, Coimbatore presented on the topic, "AI in Manufacturing", and highlighted about the research perspective on Industry 4.0 and AI in manufacturing, applications in various sectors, and the role of AI-equipped robots.

Technical Session VIII - Dr. R Vanithamani Professor, Department of Biomedical Instrumentation Engineering, School of Engineering, Avinashilingam Institute for Home Science and Higher Education for Women Coimbatore. presented on the topic "Revolutionizing Healthcare: Integration of AI into Mechanical Systems for Improved Patient Care" and explained on how AI integration improves patient care,

ONE DAY SEMINAR ON "LATEST TRENDS IN TRANSPORTATION ENGINEERING AND TOWN PLANNING"

13th October 2023



The One Day Seminar on "Latest Trends in Transportation Engineering and Town Planning" organized by the Institution of Engineers (India), Coimbatore Local Centre, in association with the Department of Civil Engineering, Coimbatore Institute of Technology held on 13 October 2023.

In inaugural Session Dr. S Shanmugam, Chairman, IE(I), Coimbatore Local Centre welcomed the gathering, Er G Manuneethi, Divisional Engineer - Road Safety, Tamil Nadu Highways Department, Coimbatore delivered the inaugural address and followed

by vote of thanks proposed by Dr. J Krishnamoorthi, Honorary Secretary, IE(I), Coimbatore Local Centre.

Technical Session I - Er G Manuneethi presented on the topic "Importance of Road Safety in Current Scenario" explained about the practical approaches towards traffic safety, strategies to reduce congestion, and smooth movement of vehicles.

Technical Session II - Er G M Rajarajan Director and Actor in Traffic Safety Short Films, Coimbatore delivered lecture on the topic "Automation in Road Safety Engineering" and discussed on advanced technologies in traffic safety, presentation of documentary films, and entertaining elements through mimicry.

Technical Session III - Mr. V Navin Ganesh Assistant Professor, Dept. of Civil Engg., PSG Institute of Applied Research, Coimbatore presented on the topic "Pavement Management System" and highlighted on distress survey, Pavement Condition Index (PCI), and roadway maintenance strategies.

Technical Session IV - Er J Cyril Santhosh, Assistant Professor, Department of Civil Engineering, Coimbatore Institute Technology presented on the topic "Test on Aggregates and Bitumen" and explained the overview of testing procedures for aggregates and bitumen used in highway engineering, including material selection, sample preparation, and testing techniques.



ALL INDIA SEMINAR ON “DEEP LEARNING IN THE MEDICAL FIELD: OPPORTUNITIES AND CHALLENGES FOR ADVANCEMENT”

02nd & 03rd November 2023



All India Seminar was held during 02 - 03 November 2023. During the inaugural function, Dr. J Krishnamoorthi, Chairman of IE(I), Coimbatore Local Centre, welcomed attendees, shedding light on IE(I)'s activities and membership benefits.

Dr. M Karthigaipandian, Professor and Head of the Department of Electronic and Communication Engineering at SKCT, commended the gathering for their active involvement in staying updated with innovative trends and encouraged participants to explore deep learning in the medical field, discussing its opportunities and challenges. Dr. J Krishnamoorthi released the seminar's souvenir, and Ms. N Kirthika, Assistant Professor in the Department of ECE at SKCT, proposed the vote of thanks.

The first technical session, led by Mr. A Arun Prakash, delved into “Challenges in Training Deep Learning Models” discussing features and challenges in healthcare model training.

The second technical session, by Dr. M Gowri Shankar from Bannari Amman Institute of Technology, addressed “ECG Signals through Bio-Inspired Classifiers with Hyper-Parameter Tuning” Dr. Shankar discussed bio-inspired classifiers, shared real-time

examples, and presented public datasets for ECG signal analysis.

During the first technical paper presentation session, participants presented papers on topics like “Advances in Image Processing” “Health Tracking System for Elderly People Using LoRa Communication” “Review on Recent Developments on Detection of Diabetic Retinopathy through Deep Learning” and “Healthcare Monitoring for Physically Challenged People in Wheelchair Using IoT”.

The third technical session, “Instrumentation for Advanced Applications and Devices in the Medical Field” was conducted by Mr. Kaviti Ramesh, a Scientific Officer from the Cosmic Ray Laboratory, Tata Institute of Fundamental Research, Udhagamandalam. Mr. Ramesh discussed advanced sensors for measuring human vitals, explaining how biomedical instrumentation systems work and how AI is integrated into device modules.



ALL INDIA SEMINAR ON “ADVANCED INSTRUMENTATION FOR ASSESSMENT OF SOIL HEALTH INDICATORS, POLLUTION AND GREENHOUSE GAS EMISSION FROM SOIL”

16th & 17th November 2023

All India Seminar was held during 16 - 17 November 2023. In the inaugural function, Dr. G Madhan Mohan, Honorary Secretary of IE(I), Coimbatore Local Centre, presented the welcome address, offering insights into the activities of IE(I).



Dr. C Natarajan, Principal of HITECH, delivered the felicitation address. Dr. B Paulchamy, Professor and Head of the Department of ECE at HITECH, provided an overview of the All India Seminar.

The chief guest address was delivered by Dr. T Arumuganathan, Principal Scientist at ICAR - Sugarcane Breeding Institute, Coimbatore. Dr. Arumuganathan elaborated on the importance of soil and crop health monitoring using sensors. Dr. K Mahendran, Associate Professor in the Department of ECE at HITECH, proposed the vote of thanks.

In the first technical session, Dr. T Arumuganathan, Principal Scientist at ICAR - Sugarcane Breeding Institute, Coimbatore, delivered a lecture on “Soil and Crop Health Monitoring Using Sensors”. The speaker shared practical experiences in applying sensors in sugarcane agriculture.

In the second technical session, Dr. N Sridhar, Associate Professor & Head of the Department of Agricultural Engineering at Hindusthan College of Engineering & Technology, Coimbatore, shared his expertise on “Soil Health and Soil Health Card: Its Importance and Potential for Better Crop in India”.

The third technical session was handled by Dr Dhayalan Vaithiyanathan, Assistant Professor, Dept. of Agricultural Engineering

Hindusthan College of Engg. and Technology, Coimbatore. He shared his expertise on “Advanced Agricultural Strategies for Enhancing Bioavailability and Bio Fortification of Micronutrients in Economic Yield”.

In fourth technical session, a lecture on “Climate Change & Greenhouse Gases - Over View” was given by Mr F Durai Raj, Founder, STELCIS Engineering, Coimbatore. The speaker shared his experiences. “Climate change” refers to the increasing changes in the measures of climate over a long period of time.

The fifth technical session was handled by Dr C Partheepan, Assistant Professor, Department of Crop Physiology, Faculty Centre for Agricultural Education and Research, Ramakrishna Mission Vivekananda Educational and Research Institute, Coimbatore. He shared his expertise on “Soil Organic Pollutants Sources and Remediation in Soils”.



ONE DAY SEMINAR ON “SMART FACTORIES: TRANSFORMING MANUFACTURING THROUGH AUTOMATION AND AI” th 09 December 2023



One Day Seminar was held on 09 December 2023. Dr J Krishnamoorthi, Chairman, IE(I), Coimbatore Local Centre. Welcomed the gathering and highlighted the significance of the seminar. Dr B Giriraj, Principal, PSG Polytechnic College delivered the felicitation address.

Mr Janradhan Tyagi, General Manager - Sales, Schneider Electric India Private Limited, Coimbatore Chief guest addressed the gathering. Dr G Madhan Mohan, Honorary Secretary, IE(I), Coimbatore Local Centre Concluded the inaugural function with a vote of thanks.

“Role of IoT in Smart Manufacturing” by Mr Janradhan Tyagi highlighted emerging technologies in industries and the role of IoT in smart manufacturing. Explained the advantages and benefits of implementing IoT in the manufacturing process.

“Applications of AI in Smart Factories” by Ms Shymala Gowri, Assistant Professor, PSG College of Technology, Coimbatore. Outlined the use of AI tools like machine learning, neural networks, NLP, computer vision, expert systems, and robotics in problem-solving, learning, and decision-making.

“Data Analytics for Predictive Maintenance” by Mr S Gopala Krishnan, Manufacturing Execution System - IT Analyst, Schlumberger India Private Limited, Coimbatore. Highlighted differences between predictive maintenance and other methods and Emphasized the role of data analytics in predictive maintenance.

“Robotics and Automation in Manufacturing” by Dr M Suresh, Associate Professor, PSG College of Technology, Coimbatore

Introduced Japanese concepts of Muda, Mura, and Muri, focusing on waste elimination in manufacturing.



ONE DAY SEMINAR ON “ADVANCES IN INDUSTRIAL METROLOGY”

13th December 2023



One Day Seminar was held on 13 December 2023. Dr J Krishnamoorthi, Chairman, IE(I), Coimbatore Local Centre welcomed the gathering and delivered the presidential address. Dr M Senthilkumar, Past Honorary Secretary, IE(I), Coimbatore Local Centre & Professor and Head, Department of Production Engineering, PSG College of Technology delivered the felicitation address.

Mr Sreenivas Naidu, General Manager, R&D-IW, ZF Wind Power Private Limited, Coimbatore spoke on the importance of metrology in various industries and appreciated IE(I), Coimbatore Local Centre for organizing the program. Dr G Madhan Mohan, Honorary Secretary, IE(I), Coimbatore Local Centre proposed the vote of thanks.



“Metrology and Wind Power – An Insight” by Mr Sreenivas Naidu, presented a case study on the importance of metrology in the quality and performance of windmill gearboxes.

“Role of Metrology in Industry 4.0” by Mr Sridhar Narasimhan, Head of Sales and Technical Services (India, Srilanka and Middle East), TESA Technology, Chennai, discussed the need for IoT-based instruments and their benefits in the modern digital manufacturing era.

“Nano Metrology for MEMS and NEMS Applications” by Dr Anuradha M Ashok, Professor & Head, Department of Physics, PSG Institute of Advanced Studies, Coimbatore, explained the structural features and applications of various advanced instruments used in MEMS and NEMS metrology.

“Evaluation of Repeatability and Reproducibility (R&R) for Measuring Instruments” by Mr N Paramaguru & Mr B Gopalsamy, Assistant Engineers, AQUASUB Engineering, Coimbatore, conducted a hands-on training session on R&R evaluation of measuring instruments, where participants actively took part and clarified their doubts.

ONE DAY SEMINAR ON “THREAT HUNTING AND DIGITAL FORENSICS: TOOLS AND TECHNIQUES”

23rd December 2023

One Day Seminar was held on 23 December 2023. Dr G Madhan Mohan,



Honorary Secretary, IE(I), Coimbatore Local Centre commenced the seminar with a warm welcome. Mr Ashok Kumar Mohan, Founder and CEO, Kriyavan Cyber Forensic Service Private Limited, Madurai provided valuable insights in the inaugural address.

“Kickstarter to Digital Forensics” by Mr Ashok Kumar Mohan, expertly presented views on tools assisting cyber forensic specialists in investigating data and making decisions related to threats and attacks.

“AI-Powered Defense: Navigating the Evolving Tools & Methodologies in Threat Hunting” by Mr M Maharaj, Founder and Global Head, BCBUZZ Technologies Private Limited, Coimbatore, explored industry expectations and requirements for individuals aspiring to pursue a career in cyber security.

Paper Presentation slot judged by: Dr R Senthil Prabha & Dr N Hema Priya from the Department of Information Technology, PSGCT evaluated research papers related to cryptography and security, blockchain, biometrics, and cyber security, offering valuable insights and constructive observations.



Notification for

R&D Grant-in-Aid (2024-25)

To promote appropriate technology, assist in building up design & research talents and, most importantly, to help in nurturing potential R&D venture amongst engineering students pursuing Diploma / UG / PG / PhD courses, The Institution of Engineers (India) had instituted the R&D Grant-in-Aid program way back in 2001.

Like every year, the Institution invites applications for the session 2024-2025 for funding industry-oriented R&D projects and research initiatives aimed at improving the life-style of common people from engineering students pursuing full time Diploma / UG / PG / PhD engineering program in AICTE / UGC / NAAC approved Institutions / Colleges / Universities. The application form and guidelines are available in our website <https://www.ieindia.org>. The projects should be carried out under the guidance of faculty members who are Corporate Members of IEI. Membership criteria for student(s), guide(s) and Institution(s) are as follows:

Project Category	Student / Applicant Membership	Guide(s) Membership	Institutional Membership	Quantum of Grant (INR)
1. Diploma	Exempted [Membership of Student Chapter is desirable]	AMIE / MIE / FIE	Not Mandatory	Not exceeding ₹20,000/- for a single project
2. UG (BE / BTech / AMIE / Equivalent)	SMIE	AMIE / MIE / FIE	Applicant's Institute should preferably be an Institutional Member with NBA / NAAC Accreditation or valid NIRF Rank	Not exceeding ₹50,000/- for a single project
3. PG (ME / MTech / Equivalent)	AMIE / MIE / FIE	MIE / FIE	Applicant's Institute should preferably be an Institutional Member with NBA / NAAC Accreditation or valid NIRF Rank	Not exceeding ₹1,00,000/- for a single project
4. PhD	AMIE / MIE / FIE	MIE / FIE	Applicant's Institute should preferably be an Institutional Member with NBA / NAAC Accreditation or valid NIRF Rank	Not exceeding ₹1,50,000/- for a single project

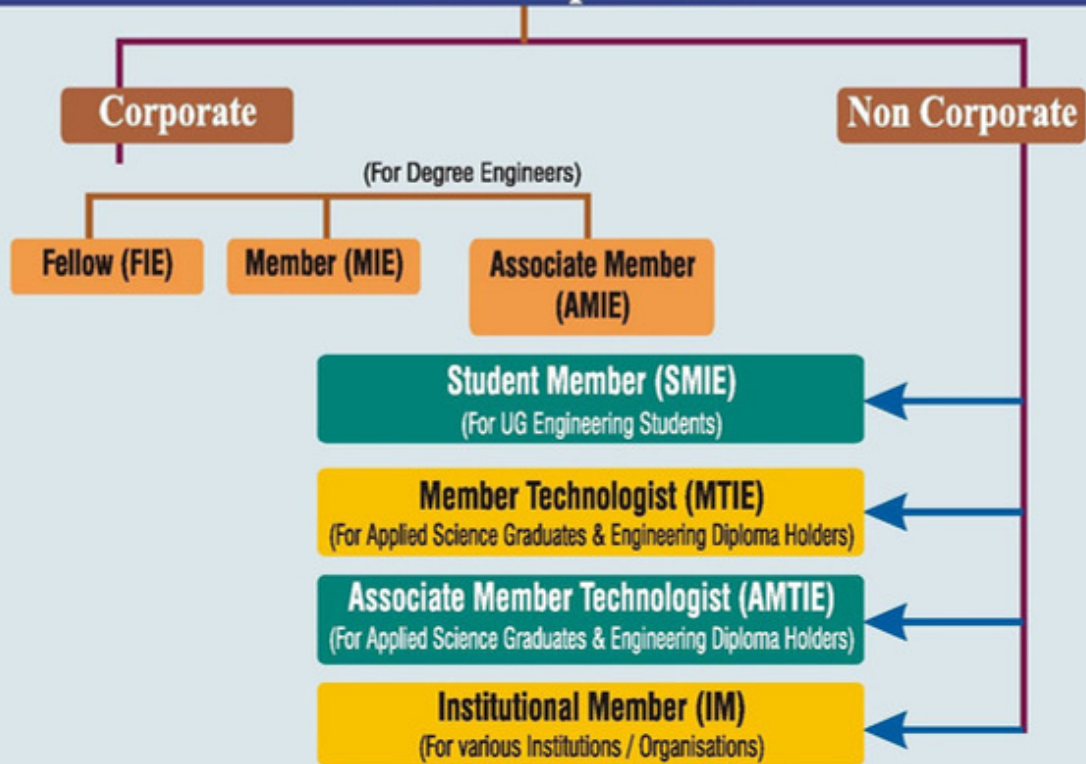
The soft copy of the duly filled-up applications (in editable format), as per the pro-forma available in our website www.ieindia.org, should be sent through email to research@ieindia.org and one printed copy of the same should reach the following address:

Director (Technical)
The Institution of Engineers (India), 8 Gokhale Road, Kolkata 700 020

Applications received in format other than that available on our website will not be accepted. Application should be forwarded through the Guide, Head of the Department or Head of the Institution. Please note that preference will be given to project proposals received from Institutions who are members of The Institution of Engineers (India) and with NBA / NAAC Accreditation or valid NIRF Rank. Kindly go through the guidelines (visit link <https://www.ieindia.org/webui/IEI-Activities.aspx#RnD-Initiative>) carefully before filling up the application.

The grant is not intended for the faculty members / working individuals who have access to other avenues of research funding. Proposals received will be scrutinized and the recipients of R&D Grant will be informed accordingly

Membership Grades



Life Time Membership Fees

(Inclusive of 18% GST w.e.f from April 01, 2022)

Fellow (FIE) : ₹ 20,060

Member (MIE) : ₹ 8,260

Associate Member (AMIE) : ₹ 5,980- ~~Rs.4,720/-~~

Institutional Member (IM) : ₹ 2,36,000

AMIE to FIE: ₹ 15,340

Member Technologist (MTIE) : ₹ 4,012

Associate Member Technologist (AMTIE) : ₹ 3,481

Student Member (SMIE) : ₹ 1,500

AMIE to MIE: ₹ 3,540

MIE to FIE: ₹ 13,452

Fees for Various Certifications

(Inclusive of 18% GST)

Chartered Engineer Certificate (CE) : ₹ 29,500

Professional Engineers Certificate (PE) : ₹ 11,800

International Professional Engineers Certificate (IntPE) : ₹ 23,600

Certificate of Practice for Chartered Engineer : ₹ 5,900

Chartered Engineer Certificate at Higher Grade : ₹ 5,900

Renewal of Professional Engineers Certificate : ₹ 9,440

Renewal of International Professional Engineers Certificate : ₹ 21,240

Newsletter Editorial Committee

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Dr G Madhan Mohan FIE
Honorary Secretary, IEI CLC

Dr M Senthilkumar FIE
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