



BULLETIN



Prof.Dr.D.ELANGO,FIE
Chairman

Dr.J.BALAMURUGAN,FIE
Honorary Secretary

Vol. 24 : No.18

JULY 2026

From the Chairman's Desk.....



Dear Fellow Engineers,

I am happy to reconnect with all of you through this latest news bulletin.

It gives me immense pleasure to present the July 2026 activities of the Institution of Engineers (India), Tamil Nadu State Centre, which reflect our continued commitment to promoting professional excellence, knowledge sharing, technological advancement and meaningful engagement among the engineering fraternity.

The month commenced with a Guest Lecture on “How to Start International Trade” held online through Zoom on 8th July 2026. Dr. K. S. Kamaludeen, Managing Director, Blue Bharath Exim Pvt. Ltd. and Founder & CEO, B-Accuracy InfoTech, shared valuable insights into the fundamentals and opportunities of international trade, providing participants with practical perspectives on entering the global market.

On 16th July 2026, the Tamil Nadu State Centre, in association with the Department of Electrical Engineering, R.M.K. Engineering College, organized a

One-Day Workshop on “AI-Driven Innovations in Renewable Energy Systems” at R.M.K. Engineering College, Chennai. The workshop highlighted the growing role of Artificial Intelligence in renewable energy, predictive maintenance and intelligent energy systems. Ms. Priyadharshini Shanker, AI Expert, Centre for Innovation and Software Learning, inaugurated the workshop, while Dr. K. A. Mohammed Junaid, Principal, R.M.K. Engineering College, delivered the Felicitations Address.

Dr. K.C.G. Verghese Memorial Lecture was organized on 18th July 2026 at the IE(I) Tamil Nadu State Centre Auditorium, Chennai. Dr. Vikas Misra, Vice Chancellor, Hindustan Institute of Technology & Science, graced the occasion as Chief Guest. Dr. G. Raja Singh Thangadurai, Director, DRDO Industry Academia–Ramanujan Centre of Excellence, Indian Institute of Technology Madras, delivered an insightful lecture on “Overview of Indian Missile Development Programme”, providing participants with valuable perspectives on India’s indigenous missile development and technological capabilities.

Continuing our efforts to strengthen interaction between engineering professionals and major infrastructure projects, a team of 18 committee members of the IE(I) Tamil Nadu State Centre visited the Chennai Metro Rail Limited tunnelling project at Villivakkam Metro Station, Corridor–5, on 25th July 2026. The visit provided an opportunity for our members to gain first-hand knowledge of the ongoing

tunnelling works and the engineering practices involved in this major urban transportation project.

As we move forward, I invite all our members, young engineers and engineering students to actively participate in the programmes of the Institution and contribute their knowledge and expertise towards building a technologically advanced, sustainable and resilient nation.

I would also like to request all Corporate Members to complete the Know Your Membership (KYM) form to enable us to maintain an accurate and updated membership database. Your cooperation is essential for ensuring seamless communication and the effective delivery of member services and benefits. The completed form may be submitted in person at the IE(I) Tamil Nadu State Centre office or sent by email to ieitamilnadu@gmail.com or tncs@ieindia.org.

With warm regards,

Prof.Dr.D.ELANGO, FIE.,
Chairman

From the Hon. Secretary's Desk.....



Dear Fellow Engineers, Academicians, Industry Leaders, Students and Friends,

Greetings from the Institution of Engineers (India), Tamil Nadu State Centre.

ONE ENGINEERING • ONE TAMIL NADU • ONE LEGACY

Tamil Nadu has been a land of remarkable engineering achievements for centuries. The Cholas, Pandyas and Cheras demonstrated excellence in water management, irrigation, architecture, metallurgy, agriculture, shipbuilding and maritime engineering. Their legacy reminds us that engineering is not merely a profession—it is a responsibility to society and a legacy for generations.

With IE(I)'s historic association with Madras from 1920, Tamil Nadu has an important place in India's organised engineering journey. As we celebrate this legacy, let us ask: "What engineering legacy will we leave for the next century?"

The 15 Engineering Divisions of IE(I), together with our 16 Local Centres, academic institutions, industries, Government, startups and students, can

work as one engineering fraternity to address energy, water, healthcare, sustainability, digital transformation, mobility and inclusive development.

As part of this vision, IE(I) Tamil Nadu State Centre is exploring a Sustainable Modern Engineering Building—a Living Laboratory demonstrating Green Building, 3D Printing, Modular Construction, Renewable Energy, Energy Storage, Smart Water Management, Circular Economy, Intelligent Buildings and EV Mobility.

We also envision dedicated initiatives for Women in Engineering, Medical Engineering and Social Engineering, ensuring that technology ultimately serves humanity.

We are exploring an ambitious 90-day Engineering Challenge, subject to technical feasibility, statutory approvals, safety and quality requirements, with the possibility of pursuing an independently verified world-record attempt.

Let us transform our engineering legacy celebration from remembrance into a movement of action.

Many Engineers. Many Disciplines. Many Institutions.
One Landmark. One Legacy.

Engineering for Society • Innovation for Tomorrow •
Sustainability for Generations

Guest Lecture on the topic
"How to Start International Trade"
8th July 2026

The Institution of Engineers (India), Tamil Nadu State Centre successfully organized a Guest Lecture on **"How to Start International Trade"** on **08th July 2026** at 7.00 p.m. through the Zoom online platform.

The programme commenced with a warm welcome address by **Prof. Dr. D. Elango**, Chairman, IE(I) Tamil Nadu State Centre, who extended a cordial welcome to the Guest Speaker and all the participants.

Dr. V. S. Sriraja Balaguru, Joint Secretary, IE(I) Tamil Nadu State Centre, introduced the Guest Speaker, **Dr. K. S. Kamaludeen**, Managing Director of Blue Bharath Exim Pvt. Ltd. and Founder & CEO of B-Accuracy InfoTech.



A major highlight of the programme was the live demonstration of B-Accuracy BizTech Intelligence ERP, showcasing the complete export workflow—from customer registration and quotation to inventory management, export documentation, shipment tracking, and business analytics.

The presentation was delivered using animated visuals and real-time ERP demonstrations, making complex export procedures easy to understand. The interactive session received an enthusiastic response from participants, who appreciated the practical approach and industry-oriented learning. The programme emphasized that digital ERP solutions, combined with proper planning and market knowledge, are key to building successful international businesses.

The programme concluded with a heartfelt vote of thanks proposed by **Dr. J. Balamurugan**, Honorary Secretary, IE(I) Tamil Nadu State Centre, who expressed his sincere gratitude to the Guest Speaker for sharing his valuable expertise and to all the participants for their active participation, which made the session highly engaging and meaningful.

The recorded session is available on the IE(I) Tamil Nadu State Centre YouTube Channel:
<https://www.youtube.com/live/1Yqu3g49Phw?si=aYZZ6hobjVMGVJUn>.



Dr. K. S. Kamaludeen delivered an insightful and informative lecture on "How to Start International Trade" focusing on the practical aspects of establishing and successfully managing an export business in today's competitive global marketplace.

The session covered international market identification, buyer research, product selection, investment planning, vendor management, export documentation, logistics, and effective communication with overseas buyers. Participants also learned the essential precautions to be followed while entering global markets.

One Day Workshop on AI-Driven Innovations in Renewable Energy Systems 16th July 2026

The Institution of Engineers (India), Tamil Nadu State Centre, in association with the Department of Electrical Engineering, R.M.K. Engineering College, successfully organized a **One-Day Workshop on “AI-Driven Innovations in Renewable Energy Systems”** on **16th July 2026** at R.M.K. Engineering College, Chennai.

The programme commenced with Tamil Thai Vazhthu, followed by the ceremonial lighting of the lamp. **Dr. N. M. Jothiswaroopan**, Professor, Department of EEE, RMKEC, delivered the Welcome Address, while **Dr. K. A. Mohammed Junaid**, Principal, RMKEC, delivered the Felicitation Address. **Dr. J. Balamurugan**, Honorary Secretary, IE(I) TNSC presided over the function. The workshop souvenir was also released during the inaugural session.



The workshop was inaugurated by the Chief Guest, **Ms. Priyadharshini Shanker**, AI Expert, Centre for innovation and software learning. She delivered an engaging and technically informative session on “Artificial Intelligence for Intelligent Renewable Energy Forecasting and Energy Management.” The session provided the participants with valuable insights into how Artificial Intelligence, Machine Learning, data analytics, and intelligent automation are transforming renewable-energy forecasting, power-system operation, and energy-management practices.

Ms. Priyadharshini Shanker explained how Artificial Intelligence (AI) is transforming renewable-energy forecasting and intelligent energy management. She highlighted that the intermittent nature of solar and

wind energy requires accurate forecasting, and AI techniques such as Machine Learning, Deep Learning, Artificial Neural Networks, and Long Short-Term Memory (LSTM) networks can effectively predict renewable-energy generation and electricity demand using historical and real-time data.

The session covered data preprocessing, solar and wind power forecasting, load prediction, intelligent energy management systems, battery management, predictive maintenance, IoT, cloud and edge computing, microgrid optimization, reinforcement learning, Agentic AI, and electric-vehicle integration. The speaker also discussed model evaluation, explainable AI, cybersecurity, and ethical considerations in deploying AI-based energy systems. She concluded by encouraging students and researchers to explore AI applications in renewable energy, smart grids, battery health estimation, predictive maintenance, and sustainable energy systems, emphasizing the vast opportunities for innovation, research, and entrepreneurship. The programme concluded with an interactive discussion and a question-and-answer session.

The first technical session was delivered by **Dr. J. Balamurugan**, Honorary Secretary, IE(I) TNSC on the theme “**Advances in Renewable Energy Technologies for Sustainable Power Generation.**” He highlighted the growing need to transition from fossil fuels to renewable energy sources such as solar, wind, hydro, biomass, geothermal, and green hydrogen to ensure energy security and environmental sustainability.



The speaker discussed recent advancements in solar photovoltaic technologies, including PERC, TOPCon, heterojunction, perovskite, bifacial modules, floating solar plants, and agrivoltaics, which have significantly improved efficiency and reduced costs. He also explained modern wind energy technologies, offshore wind farms, and advanced turbine systems that enhance power generation.

Emphasizing the intermittent nature of renewable energy, Dr. J. Balamurugan described the importance of energy storage systems, particularly Battery Energy Storage Systems (BESS), along with smart Battery Management Systems for efficient and reliable operation. He further explained the role of smart grids, microgrids, IoT, Artificial Intelligence, and Machine Learning in renewable-energy forecasting, predictive maintenance, and intelligent energy management.

The session also covered electric vehicle integration, Vehicle-to-Grid (V2G) technology, green hydrogen, digital twins, blockchain-enabled energy trading, and virtual power plants as emerging technologies shaping the future of sustainable power systems. While discussing the opportunities, he also addressed challenges such as energy storage costs, grid integration, recycling, cybersecurity, and the need for skilled professionals.

In conclusion, he encouraged students and researchers to contribute to renewable-energy innovation through research, patents, startups, and industry collaboration. The session provided valuable insights into the latest renewable-energy technologies and inspired participants to work towards developing cleaner, smarter, and more sustainable energy systems. The lecture concluded with an interactive question-and-answer session.

The second invited talk was delivered by **Dr. Sriraja Balaguru V. S.**, Joint Secretary and Committee Member, Electrical Engineering Division, The Institution of Engineers (India), Tamil Nadu State Centre, on "**Smart Grid Integration, Energy Storage and Microgrid Technologies.**" The session explained how smart grids, advanced energy storage, and

microgrids are transforming modern power systems to improve reliability, efficiency, and sustainability.



Dr. Sriraja Balaguru highlighted the role of smart grids in enabling two-way power and information flow through digital communication, automation, and intelligent monitoring. He discussed smart meters, demand response, renewable energy integration, and Battery Energy Storage Systems (BESS), emphasizing their importance in maintaining grid stability and supporting clean energy.

He also explained the concept of microgrids, their operating modes, and applications in campuses, hospitals, industries, and remote areas. The session concluded with insights into the use of Artificial Intelligence, IoT, digital twins, electric vehicle integration, and cybersecurity in future power systems, encouraging participants to explore these emerging research areas.

Dr. N. M. Jothi Swaroopan, Professor, Department of EEE, RMK Engineering College, delivered a technical session on "AI-Driven Predictive Maintenance and Autonomous Control of Renewable Energy Systems." He explained how Artificial Intelligence is transforming renewable energy by improving the efficiency, reliability, and sustainability of solar, wind, and hybrid power systems.

The speaker highlighted the role of AI in predictive maintenance, where machine learning analyzes real-time sensor data to detect faults, predict equipment failures, and reduce maintenance costs and downtime. He also discussed autonomous control systems that optimize power generation, battery storage, microgrid operation, and grid stability through intelligent decision-making.

The session further emphasized the integration of AI with IoT, cloud computing, digital twins, and big data analytics for smart energy management. Concluding the talk, Dr. Jothi Swaroopan encouraged students and researchers to explore interdisciplinary research in AI-enabled renewable energy systems, stressing its importance in building a cleaner, smarter, and more sustainable energy future.

Dr. Y. Sukhi, Professor, Department of EEE, RMK Engineering College, presented a summary of the workshop. Certificates were distributed to all participants. **Dr. J. Balamurugan**, Honorary Secretary, IE(I) Tamil Nadu State Centre, delivered the Vote of Thanks, expressing gratitude to the dignitaries, resource persons, participants, and organizers for their valuable support. The workshop concluded with the National Anthem.

Dr. K C G Verghese Memorial Lecture 18th July 2026

The Institution of Engineers (India), Tamil Nadu State Centre, organized the **Dr. K.C.G. Verghese Memorial Lecture** on **18th July 2026** at 4.00 p.m. in the IE(I) Tamil Nadu State Centre Auditorium, Chennai. The programme commenced with an invocation, followed by the traditional lighting of the ceremonial lamp.



Prof. Dr. D. Elango, Chairman, IE(I), Tamil Nadu State Centre, delivered the welcome address and warmly welcomed the dignitaries, members, faculty, students, and invited guests.

Dr. K. Vijayaraja, Committee Member, Aerospace Engineering Division, IE(I) TNSC, presented the history and remarkable contributions of Dr. K.C.G. Verghese, highlighting his visionary leadership and pioneering role in making quality higher education accessible to society. The dignitaries were honoured with shawls and mementoes.

Dr. V. S. Sriraja Balaguru, Joint Secretary, IE(I) TNSC, introduced the Chief Guest, **Dr. Vikas Misra**, Vice

Chancellor, Hindustan Institute of Technology & Science. In his address, Dr. Misra appreciated IE(I) Tamil Nadu State Centre for organizing the memorial lecture every year in honour of the late Dr. K.C.G. Verghese and acknowledged his lasting contributions to education.



Er. N. S. Anuradha, Superintending Engineer, TNEB (Retd.), introduced the Guest Speaker, **Dr. G. Raja Singh Thangadurai**, Director, DRDO Industry Academia–Ramanujan Centre of Excellence (DIA-RCoE), Indian Institute of Technology Madras, Chennai.

Dr. G. Raja Singh Thangadurai, Director, DRDO Industry Academia -Ramanujan Centre of Excellence, Indian Institute of Technology Madras delivered the Dr. KCG Verghese Memorial Lecture on the topic, **“Overview of Indian Missile Development Programme”**.

After paying rich tributes to Late Dr. KCG Verghese, acknowledging the yeoman service rendered by him to the society and also the excellent contributions made by him especially in the area of affordable higher education to all, the memorial lecture commenced with an introduction and evolution of missiles as a weapon system. Newer technologies, which evolved with warfare, were briefly touched upon such as: Bow & Arrow, Elephants and Chariots during Ancient Warfare; Rifles and Warships during Medieval Warfare; Battle Tanks and Submarines during Pre-Modern Warfare; Electronic Warfare (EW) and Platform Centric during Modern Warfare and Information Warfare and Network Centric in the Future Warfare.



Functionality of various subsystems of a missile and classification of missiles based on Trajectory, Launch Mode, Range, Propulsion System, Warhead type and Guidance system employed were briefly explained to bring the composite audience in a common platform. The foundation for development of core competence in India was slowly but steadily built during the initial days. Later, specific technologies such as Carbon-Carbon structures for re-entry applications and Phase shifter were developed in our country overcoming the Missile Technology Control Regime (MTCR) restrictions and constraints.

At present capability to design, develop and produce Strategic and Tactical Missile systems of interest to

Indian Armed Forces has been established under Atmanirbhar Bharat Abhiyan. Now in the global scenario, a stage has been reached wherein the expertise available in our country is treated on par with anyone else. Future beacons tremendous promise as we are marching towards Viksit Bharat 2047 wherein our country will come out of the routine tag of 'Technology Follower' to 'Technology Leader'.

The contributions made by the Father of Indian Missile Development Dr. APJ Abdul Kalam, the Missile Man of India and the People's President of India were respectfully acknowledged. The contribution of various DRDO Laboratories, Academic Institutions, Scientific Organisations, Public Sector undertakings, Indian Industries, MSMEs has culminated in the grand success of the Integrated Guided Missile Development Programme (IGMDP) comprising the five missile projects PRITHVI (Surface to Surface), AKASH (Surface to Air), TRISHUL (Surface to Air), NAG (Anti-Tank) and AGNI (Re-entry Technology Demonstrator).

Indo-Russian Joint Venture(JV) Programme BrahMos was also the brainchild of our visionary leader Dr APJ Abdul Kalam. Defence Research & Development Organisation (DRDO), Ministry of Defence, India and NPO Mashinostroyeniya (NPOM), a Joint Stock Company of Russian Federation established a Joint Venture (JV) Company "BrahMos Aerospace Private Limited" (BAPL) in India for joint development, production and marketing of Aerospace products and an Inter-Governmental Agreement was signed between the Government of the Republic of India and the Government of Russian Federation, wherein it was agreed to by both the Governments to contribute to the share capital of BrahMos in the proportion of 50.5% and 49.5% respectively, through DRDO and NPOM. The funds were utilized for financing, coordination, development, testing and leading to production of BrahMos Weapon System. BRAHMOS supersonic anti-ship cruise missile was identified as the first product of JV BrahMos. BRAHMOS is a most potent, combat ready supersonic cruise missile weapon system which is inducted into all the three services of the Indian armed forces i.e.,

Army, Navy and Air Force. The efforts put up by both the partners of JV BrahMos during the development phase have culminated in the regular serial production of this missile weapon system and also export to friendly countries.

Many factors contributed to the success of the JV BrahMos. In addition to the dedicated teamwork and synergy between both the JV partners from India and Russia, few decisions taken at the right time led to the grand success of the JV. BrahMos JV is a registered a private company in India, which is fully owned by the respective governments of the JV partners. Funding pattern in the ratio of 50.5 : 49.5 between DRDO, India and NPOM, Russia facilitated Indian dominance in the JV, provided enough flexibility as well as agility in operation. In order to reduce the development cycle of the contemporary world class product, a concept of “ Process Stock Item” was employed, Process Stock Item refers to an already developed state of the art subsystems developed by the JV partners, for which the expenditure for development was borne by the respective JV partners. Another significant aspect of Product Innovation was the Universality of the Weapon System (Multi-Platform and Multi-Trajectory and Multi-Target). This helped in better inventory management and economy of scale during serial production. Mind to Market was the concept introduced in JV BrahMos. JV did not restrict itself to some specific task. Right from Concept to Partnership, Design to Development, Development to Field Evaluation through Flight Trials, Trial to Production, Production to Induction, Induction to International Export and After service post delivery , JV BrahMos is an organisation which recognised the needs of all the customers, nurtured values and became a “Total Solution Company”. BrahMos JV ensured that the needs of the Indian Armed Forces are met through continuous Product Improvement. Starting with a ship launched Supersonic anti-ship cruise missile (Sea to Sea) having a set of characteristics, many features were subsequently added through design and development such as, Land to Land Precision Strike Capability, Steep Dive Capability for Mountain Warfare and Azimuth angle capability and so on. Capability Enhancement of

existing BRAHMOS with respect to Accuracy, Firepower and Increased Range without change in the airframe layout and dimensions was carried out as a continuous product improvement.

The battlefield scenario of the 21st Century is characterized by high technology weapons & systems on one side and the defused battlefield on the other side. The technologies of digital battlefield, C4I2SR networks, electronic warfare and information warfare will transform the nature of war. At the same time, the world is faced with new regional capabilities, low intensity conflicts, proxy war and sponsored terrorism. As a result, the old paradigm of military strength being determined by the numerical superiority, sustained capability to fight and capability to inflict, maximum damage is giving way to the new paradigm of weapon effectiveness and force mix, rapid response to threat and precision strike capability. New capabilities of anti-missile defences, beamed energy weapons and non-lethal weapons are emerging and the battlefield is extending to the crowded geo orbit, deep oceans and in to the cyberspace. The future missile systems will have to operate in this environment in an integrated manner. At present, our country is capable of developing and producing all types of Futuristic Missile Systems to meet nation’s Defence needs with its Specialist Manpower, Knowledge Base, Infrastructure and System Capabilities.

The programme concluded with a Vote of Thanks proposed by Dr. J. Balamurugan, Honorary Secretary, IE(I), Tamil Nadu State Centre, who expressed his gratitude to the Chief Guest, Guest Speaker, dignitaries, participants, sponsors, and the organizing committee for making the memorial lecture a grand success.



The memorial lecture witnessed enthusiastic participation from engineers, academicians, researchers, faculty members, students, and members of the Institution.

The recorded session is available on the IE(I) Tamil Nadu State Centre YouTube Channel: https://www.youtube.com/live/6NsJabSr6Wo?si=_ek3t7jir7BkvPDg

Industrial Visit 25th July 2026

IE(I) TamilNadu State Centre committee members Visit to Chennai Metro Rail Limited on 25th July 26, at Corridor – 5, Villivakkam Metro.



The Government of Tamil Nadu created a Special Purpose Vehicle (SPV) for implementing the Chennai Metro Rail Project. This SPV named as “Chennai Metro Rail Limited” was incorporated on 03.12.2007 under the Companies Act. It has now been converted into a Joint Venture of Government of India and Government of Tamil Nadu with equal equity holding. This project aims at providing the people of Chennai with a fast, reliable, convenient, efficient, modern and economical mode of public transport, which is properly integrated with other forms of public and private transport including buses, sub-urban trains and MRTS.

Chairman, TamilNadu State Centre, IEI took the initiative for arranging an industrial visit to CMRL for the committee members. Accordingly, a team of 18 committee members of TamilNadu State Centre, visited the tunnelling work under progress at Villivakkam Metro Station on 25th July 2026.

The Villivakkam Metro line is a part of corridor -5 starting from Madhavaram and ending on Sholinganallur for a length of 44.6 km. In this corridor-5, the project of construction of underground metro line and stations from Kolathur Junction to Villivakkam MTH road metro consisting of 5 stations is executed by Tata Projects Limited. The five stations included in this project are: Kolathur Junction Metro Station, Srinivasa Nagar Metro Station, Villivakkam Metro Station Villivakkam bus terminus Metro station and Villivakkam MTH road Metro Station.



The tunnel construction work in this project is under the ground at a depth of 20 m. The inner diameter of the tunnel is around 6.3 m, after providing the concrete lining. Initially, the CMRL and TPL officials welcomed the team. The team was briefed about the complete safety requirements to be followed inside the construction area. A presentation with video clippings was made in this regard. Then the team was brief on the salient aspects of the construction work carried out by Tata Projects Limited.

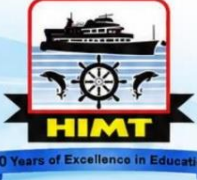
Subsequently the team was taken inside the tunnel which has already been completed for a length of

around 300 m from the location of the station. The team had the opportunity to physically witness the tunnel boring activity, the huge size of the tunnel boring machine and the dedication of the work force.

This visit has given a good insight on the challenges involved in underground tunnel construction for metro lines. Tamil Nadu State centre appreciates the officials involved to make this visit possible.

ONE DAY PRACTICALLY ENHANCED LEARNING PROGRAMME

11th July 2026



ONE DAY PRACTICALLY ENHANCED LEARNING PROGRAMME

FOR GME STUDENTS

★ Organized by ★
IEI-KLC

IEI-Kalpakkam Local Center (IEI-KLC) successfully organized a One Day Practically Enhanced Learning Programme for Graduate Marine Engineering (GME) students on **11th July 2026** at HIMT, Kalpakkam.

The programme aimed to bridge the gap between theoretical knowledge and practical application in marine engineering through expert sessions, interactive discussions and practical insights from experienced professionals.

The event witnessed enthusiastic participation from students and faculty, making it a resounding success.

1. PROGRAMME INAUGURATION



Programme inaugurated by
Shri. S. Sridhar, Director IGCAR-RFG

2. DIGNITARIES IN THE PROGRAMME



Dignitaries and office bearers during the event

3. FELICITATION OF CHAIRMAN, IEI-KLC



Felicitation of
Dr. K. Viswanatha, Chairman, IEI-KLC

4. FELICITATION OF HON SECRETARY, IEI-TNSC



Felicitation of
Dr. J. Balamurugan, Hon Secretary, IEI-TNSC

5. HONORING OF CISF PERSONNEL



Honoring CISF personnel for their
valuable support and service

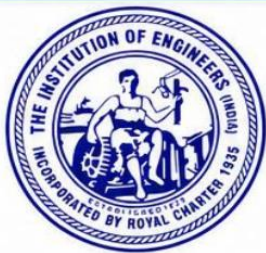
6. GROUP PHOTO



Participants, dignitaries and organizers

IEI-KLC expresses its sincere thanks to all the dignitaries, resource persons, participants and supporting staff for making the programme a grand success.

Together, we inspire excellence in marine engineering education!



IEI-KALPAKKAM LOCAL CENTER

Report on ONE DAY PRACTICALLY ENHANCED LEARNING PROGRAMME

FOR GME STUDENTS

Organized by IEI-KLC



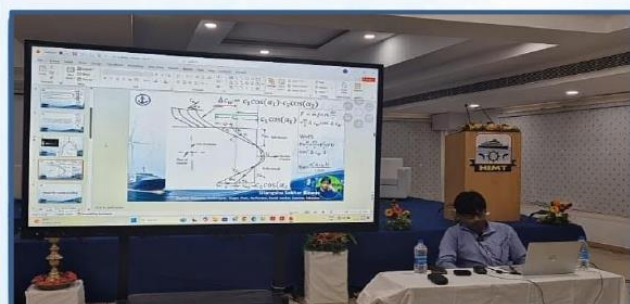
IEI-Kalpakkam Local Center (IEI-KLC) successfully organized a “One Day Practically Enhanced Learning Programme for GME Students” on 11th July 2026 at HIMT College, Kalpakkam. The programme aimed to bridge the gap between theoretical knowledge and practical applications in marine engineering through expert lectures by noted professionals and scientists.



Shri. S.S. Biswas, Secretary, IEI-KLC
Delivering the Welcome Address



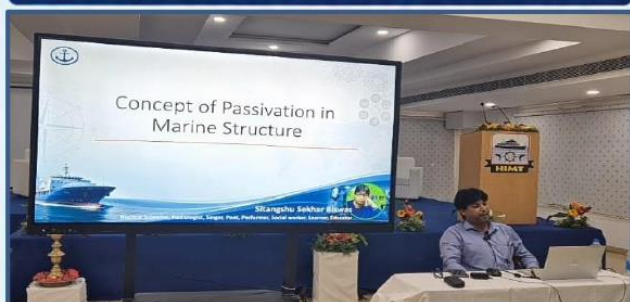
Felicitation of Identified Scientists of PFBR by IEI-KLC



Teaching about Fundamentals of Impulse Reaction Turbine



Teaching about Fundamentals of Dynamic Balancing



Teaching about Passivation of Sea Structure



Teaching about Fundamentals of Centrifugal Pump

The programme was honored by the presence of the Honorable Chairman and Secretary of IEI-TNSC. Their gracious presence, encouragement, and valuable guidance played a vital role in the successful commencement and completion of the programme.

Our sincere thanks to the speakers, organizers, and all participants
for making the programme a grand success.

KNOW YOUR MEMBERSHIP

Dear Corporate Members,

We request all Corporate Members to kindly complete the **Know Your Membership (KYM)** form to enable us to update and maintain an accurate and comprehensive membership database.

Your cooperation in this matter is essential to ensure seamless communication and uninterrupted access to member services and benefits.

After duly completing the form, you are requested to submit it by email to datamemb@ieindia.org / ieitamilnadu@gmail.com or tncs@ieindia.org

We look forward to your prompt support and cooperation.

The KYM form is available on the IE(I) website: www.ieindia.org.

FORTHCOMING EVENTS

Date	Title	Venue
27 th & 28 th August 2026	All India Seminar on Application of Sustainable Materials in Modular Construction Technology	SRM Valliammai Engineering College
29 th August 2026	One Day Workshop on Smart Sustainable Agriculture: Integrating Bokashi Composting and Precision Farming	IE(I) TNSC Auditorium, Chennai
2 nd Sept 2026	One Day Seminar on Each Drop More Crop – Smart Water Harvesting for Sustainable Water Management	IE(I) TNSC Auditorium, Chennai
11 th & 12 th Sept 2026	38 th National Convention of Marine Engineers on Emerging Technologies in Marine Industry	Chennai

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