

Vol. 23: No.04 April 2024

#### From the Chairman's Desk......



Dear Fellow Engineers,

I am delighted to meet you all once again through this News Bulletin. I am pleased to share that The Institution of Engineers (India) Tamilnadu State Centre celebrated World Water Day on the theme "Water for Peace" jointly with Tiruvallur Local Centre, Kanchepuram Local Centre, Salem Local Centre, and Kattankulathur Local Centre on 23<sup>rd</sup>March 2024 (Saturday), 4.00 pm at IE(I) TNSC Auditorium, Chennai. Dr.P.Rajasekhar, Environmental Adviser & Founder Chairman of Sustainable Enviro Promoters, Chennai was the Chief Guest and delivered a wonderful address about water to the audience.

A Water Summit competition was organized for engineering students and school students. Paper Presentationand Poster Presentation competitions were conducted for engineering studentscommunity. An Exhibition of Model and Poster Presentations were conducted

exclusively for school students. The winning students were awarded certificates and cash prizes.



**World Water Day Celebrations 2024** 

The Golden Jubilee of IE(I), Tiruchirappalli Local Centre, was celebrated on 28 April 2024 in a befitting manner. Dr.G.Ranganath, President of IE(I), served as the Chief Guest and delivered a scintillating valedictory address. TNSC, Dr.V.Karthikevan, Chairman, IE(I), Dr.S.Dharmalingam, Chairman of CCC. Dr.J.ArivudaiNambi, Council Member, IEI and Er.K.N.Sivaraiu. Immd. Past Hon.Secretary participated in the Golden Jubilee Celebrations and enjoyed the memorable event.

I appreciate Dr.S.Ravimaran, Chairman, Er.S.P.Lakshmanan, Honorary Secretary, Dr.Kevin Ark Kumar, Coordinator and the team of IE(I), TLC, for their remarkable contributions in conducting the Golden Jubilee Celebrations and releasing the souvenir. Also, I appreciate all the former Chairmen, Honorary Secretaries,

Council and Committee members, and all the fellow engineers who, over the course of the Golden Jubilee, have guided and contributed to its multifaceted growth.



### Golden Jubilee Celebrations of IE(I), TLC

In addition, Madurai Local Centre honouredDr.G.Ranganath, President of IE(I), during the Special Meeting conducted on 28.04.2024.

Our technical lecture programs will be conducted in both online and offline modes. The details of these programs will be communicated to all the members through email and social media. I request all our members to actively participate in meetings, seminars, workshops, conferences, etc.

I extend my heartfelt greetings to everyone for being part of this Institution and I am confident that our great Institution will continue to reach newer heights in the years ahead.

The lease on a property owned by IE(I), TNSC has expired, and numerous efforts have been made to renew it for an additional 30 years. Meanwhile, the committee has resolved to purchase own land or a building of approximately 5000 sq.ft for IE(I), TNSC. In this regard, I request all the Council and Committee Members, Former Chairmen and Former Hon.Secretaries to extend your fullest support for this noble cause.

I request all the current corporate members to complete the "Know Your Membership (KYM)" form to update our database. Please send the completed form to the IE(I), TNSC office or via email to ieitamilnadu@gmail.com / tnsc@ieindia.org. This notice is important, so please share it with your IE(I) member friends and colleagues.

Thank you all once again.

Regards,

**Dr.V.Karthikeyan,FIE.,** Chairman, IE(I),TNSC

## Third Regional Conclave Of Students' Chapters (Southern Region) (13.03.2024)

The Third Regional Conclave of Students' Chapters (Southern Region) hosted by the Department of Computing Technologies at SRM Institute of Science and Technology was held on March 13, 2024. The theme of the conclave was "Shaping the Future: Trends and Insights for Tomorrow." The event, sponsored by The Institution of Engineers (India), aimed to foster innovation, collaboration, and knowledge exchangeamong students and faculty members.

The conclave witnessed the participation of esteemed guests, faculty members, students,

and participants from various institutions across the Southern Region. The event was graced by distinguished speakers and panel members who shared their expertise and insights, contributing to the overall success of the conclave.

A significant milestone of the conclave was the release of the souvenir, which encapsulated the essence of the event and showcased the talent, creativity, and innovation of the participants. The souvenir served as a lasting memento of the conclave, highlighting the ground-breaking advancements in computing technologies.

Additionally, the launch of the official website of The Institution of Engineers (India) marked a significant step forward in promoting knowledge dissemination, collaboration, and networking among students, faculty members, and industry experts. The website provided a platform for continuous engagement and interaction, fostering a community dedicated to shaping the future of engineering and technology.

The conclave featured a diverse range of activities including Guest Lectures, panel discussions, paper presentations, poster exhibitions, model competitions, exhibitions showcasing cutting-edge technologies, a prize distribution ceremony, and significant milestones.



Inaugural of Regional Conclave

### **TECHNICAL TALKS**

## Technical Talk - I

Title: Exploring Diverse Applications of Virtual Reality and Augmented Reality By Ms. Vanitha Faculty, School of Business & Product Marketer, Zoho

Ms. Vanitha began her talk by introducing the audience to the exciting world of Virtual Reality (VR) and Augmented Reality (AR). She emphasized how these technologies have transcended beyond mere gaming and entertainment and have found profound applications across various industries, revolutionizing the way we interact with information and the physical world.

The presentation was followed by an engaging Q&A session, where attendees delved deeper into specific applications and

technical aspects of VR and AR. Ms. Vanitha provided insights and practical advice on implementing these technologies effectively in various domains.

Overall, Ms. Vanitha's talk provided a comprehensive overview of the diverse applications of VR and AR, showcasing their transformative potential across education, training, customer experience, healthcare, and beyond.



Technical Talk by Ms. Vanitha

### **Technical Talk - II**

Title: Emerging Technologies that will transform industries by Mr. Alagan Sathianathan, CEO at Agira Tech

Mr. Alagan Sathianathan commenced the talk by highlighting the accelerating pace of technological innovation and its profound impact on various industries. He emphasized the need for organizations to adapt to emerging technologies to stay competitive and thrive in today's rapidly evolving landscape.

Mr. Alagan reiterated the transformative impact of emerging technologies like Artificial Intelligence (AI) and Machine Learning (ML), Blockchain Technology, Internet of Things (IoT) Edge Computing, 5G Technology, Cybersecurity and Privacy on industries, emphasizing the need for organizations to embrace innovation and adapt to technological disruptions. He encouraged attendees to leverage these technologies strategically to drive growth, efficiency, and competitiveness in an increasingly digital world.

The presentation concluded with an interactive Q&A session, where attendees engaged in insightful discussions on specific technologies, implementation challenges, and potential use cases across industries. Mr. Alagan provided practical guidance and shared best practices for navigating the complex landscape of emerging technologies



Technical Talk by Mr. Alagan Sathianathan



**Panel Title:** Discussion on Disruptive Technologies Across all Domains

#### **Panel Members:**

- Shri. Shammy Narayanan, Senior Director
   / Thryve Digital Health LLP
- Shri Jayaprakash Sampathkumar,
   Director / Head of Customer
   Communications COE Barclay
- Mrs. Rajalakshmi Srinivasan, Director / Product management, Zoho
- Shri Vivek Madurai, Associate President / Kissflow.

The panel discussion at the Conclave event brought together experts, thought leaders, and stakeholders to explore key trends, challenges, and opportunities shaping the future landscape across various domains. Through insightful dialogue and exchange of ideas, the panel aimed to provide valuable insights, provoke critical thinking, and inspire collective action towards addressing complex global issues and driving positive change. The discussion on "Disruptive Technologies Across All Applications" brought together experts and thought leaders to explore the profound impact of emerging technologies on various industries.

### Key points discussed are below:

- Disruptive Technologies Overview: The panel unpacked the definition and significance of disruptive technologies, emphasizing their potential to revolutionize traditional business models and processes.
- 2. Industry-Specific Applications: Insights were shared on how disruptive technologies such as AI, blockchain, IoT, and others are reshaping industries like healthcare, finance, transportation, and more.

- Challenges and Opportunities: The discussion delved into the challenges organizations face in adopting disruptive technologies, including issues related to data privacy, security, and regulatory compliance, while also highlighting the vast opportunities for innovation and growth.
- 4. Future Trends: Panelists offered their perspectives on the future landscape of disruptive technologies, predicting advancements in areas like autonomous vehicles, quantum computing, and sustainable energy solutions.



Dr. M.Umadevi Felicitate the Panel
Members

The panel discussion underscored the critical need for organizations to embrace and adapt to disruptive technologies to stay competitive in a rapidly evolving digital world. The insights shared during the session will undoubtedly shape strategic decision-making and innovation across industries in the years to come.

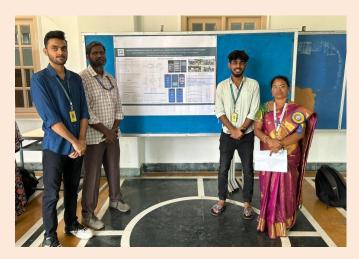


**Panel Discussion** 



The poster presentation encapsulates the essence of the Conclave event held under the theme "Shaping the Future: Trends and Insights for Tomorrow." This theme reflects the commitment of the event to explore emerging trends, anticipate future developments, and provide insights to guide stakeholders in navigating the complexities of an ever-evolving global landscape.

The poster presentation reflects the dynamic exchange of ideas, insights, and visions that characterized the Conclave event on "Shaping the Future: Trends and Insights for Tomorrow." By bringing together diverse perspectives, fostering dialogue, and catalysing action, the Conclave served as a catalyst for collective efforts to shape a more sustainable, resilient, and prosperous future for generations to come.





**Poster Presentation** 

## PAPER PRESENTATION

The paper presentation explores the theme "Shaping the Future: Trends and Insights for Tomorrow" discussed at the Conclave event. This theme underscores the imperative of anticipating and understanding emerging trends, disruptions, and opportunities to proactively shape a better future for individuals, organizations, and societies.

The paper presentation provides comprehensive overview of the discussions and insights shared at the Conclave event on "Shaping the Future: Trends and Insights for Tomorrow." By examining emerging trends, sustainable development goals, the future of work and education, geopolitical shifts, and ethical innovation, it offers valuable recommendations perspectives and for navigating the complexities of an uncertain future and building a more resilient, inclusive, and sustainable world.





**Paper Presentations** 

## PROJECT EXHIBITION AND MODEL DEMONSTRATION

The project exhibition at the Conclave event served as a platform for showcasing innovative projects, prototypes, and initiatives that are shaping the future across various domains. With the theme "Shaping the Future," the exhibition highlighted ground breaking innovations, transformative solutions, and forward- thinking initiatives that address pressing challenges and drive positive change in our society and world.

The model demonstration at the Conclave event provided a visual representation of future solutions and innovative concepts across various domains. Through interactive displays, prototypes, and simulations, the demonstration showcased how emerging technologies, sustainable practices, and creative approaches can address complex challenges and shape a better future for individuals, communities, and the planet.

It is a platform for visualizing future solutions and sparking dialogue around innovation, sustainability, and collective action. Through interactive displays, prototypes, and simulations, attendees gained insights into emerging trends, creative approaches, and transformative possibilities, inspiring them to contribute to shaping a better future for generations to come.



**Project Exhibition** 

## CERTIFICATE DISTRIBUTION & VALEDICTORY *FUNCTION*

The valedictory function was held at 3pm in Mini Hall-2, Dr. T. P. Ganesan Auditorium, SRMIST. Prizes were distributed by Prof. Dr. K. Vijayakumar, Honorary Secretary, IEI KTR Local Centre and Prof. Dr. M. Pushpalatha, Head of the Department, Department of Computing Technologies, SRMIST.

The vote of thanks was extended to Chancellor Dr. T. R. Paarivendhar, Vice Chancellor Dr. Muthamizhchelvan, and Registrar Dr. S. Ponnusamy for their invaluable support in organizing the event. Special thanks were also given to IE(I) HQ, Kolkata, for their financial support.

The presence of notable personalities such as Shri. APJMJ Sheik Dawood, Co-Founder of the APJ Abdul Kalam International Foundation, and Dr. V. Karthikeyan, Chairman of the Tamil Nadu State Centre, IE(I), added immense value to the conclave. The contributions of Mr. Gokul, Hon. Secretary of IE(I) TNSC, and other dignitaries were acknowledged with gratitude. Our Heartful thanks to Dr. Elango sir, Chairman of IE(I) Students' Chapter, Tamil Nadu State Centre accepting our invitation to grace this Conclave event ina grant manner.



Vote of Thanks by Conclave Convenor

Dr. M. Uma Devi

Prof. Dr. T. V. Gopal, Dean CET, SRMIST whose presence contributes greatly to the success of this event. His guidance and leadership have been instrumental in cultivating academic excellence. The presence of Prof. Dr. Revathi Venkataraman, Chairperson/School of has greatly enriched Computing. our gathering and underscored the special significance of this occasion. Next the contributions of Dr. M. Pushpalatha. Professor & Head of the Department of Computing Technology was acknowledged with gratitude.

The contributions of Dr. S. Dhanalakshmi, Chairman of IE(I) Kattankulathur Local Centre, who enlighten us about the significance and objectives of this conclave.

The committee thanks Prof. Dr. K. Vijayakumar, Honorary Secretary of IE(I) Kattankulathur Local Centre for his valuable guidance and support. The efforts of faculty members, senior professors, coordinators, and the student organizing team were lauded for their dedication and hard work, ensuring the smooth execution of the conclave.



Certificate Distribution at Valedictory function

## World Water Day (23.03.2024)

The Tamilnadu State Centre of the Institution of Engineers (India) in association with Ramcharn & Co Pvt., Ltd., observed the World Water Day on the theme "Water for Peace" jointly with Tiruvallur Local Centre, Kanchepuram Local Centre, Salem Local Centre and Kattankulathur Local Centre on Saturday the 23<sup>rd</sup> March 2024 at 4.00 pm at IEI TNSC Auditorium, Chennai. The program started with Tamilthai Valthu followed by Lighting of Lamp by the dignitaries. At the outset, Er D Gokul, Honorary Secretary IE(I) Tamilnadu State Centre welcomed the gathering. Dr K Thangaraj, Chairman, IE(I) Salem Local Centre delivered about the theme of the World Water Day.

Dr J Balamurugan, Chairman, IE(I) Tiruvallur Local Centre introduced the Chief Guest Dr P Rajasekhar, Environmental Adviser & Founder Chairman of Sustainable Enviro Promoters, Chennai. Dr V Karthikeyan, Chairman, IE(I) TNSC honoured the chief guest with shawl and memento.

Thematic Address was delivered by the Chief Guest Dr P Rajasekhar, Environmental Adviser & Founder Chairman of Sustainable Promoters, Chennai. In his address, water is a universal resource, needed by all living beings on this planet to survive. It is vital for a wide set of interconnected global systems, including food, energy, ecosystems and livelihoods. As our global population and consumption levels continue to climb, so has the importance of allocating our planet's limited freshwater resources between humans and ecosystems, as well as across the diverse set of human demands. Water scarcity often leads to competition and disputes among communities and nations, making it imperative to recognize water as a potential catalyst for peace building amongst nations. As climate change impacts global population, we must unite around protecting and conserving our most precious resource. By working together to balance human rights and needs, water can be a stabilizing force and a catalyst for sustainable development. The theme accentuates the need for cooperative efforts to manage and distribute water resources equitably. Access to clean water is a fundamental human right aspect, and by promoting fair and transparent water governance, we can contribute to conflict prevention and resolution.

**Dr V Karthikeyan,** Chairman, IE(I), Tamilnadu State Centre delivered the presidential address. He addressed that Water is the most precious resource, faces numerous challenges such as misuse, abuse, and misallocation. The availability of safe drinking water, the health of natural ecosystems, and a stable food supply are all at risk as our water resources come under increasing pressure. We can achieve the water conservation by adopting simple measures in our daily lives. Let us unite and raise awareness in society about the importance of water conservation.

Water Summit competition was organized for engineering students and school students. Paper Presentation and Poster Presentation competition for engineering students and Exhibition model and Poster Presentation for school students. The first level competition was held in their colleges and schools. The final competition was held at the IEI TNSC Auditorium on the celebration day. The winning candidates were awarded with certificates and cash prizes by the Chief Guest.

**Mr Kaushik Palicha**, Managing Director, Ram Charan & Co Pvt., Ltd, Chennai sponsored Cash Prize for this competition.

**Dr P Mohanraj,** Joint Honorary Secretary, IE(I), Tamilnadu State Centre proposed the vote of thanks. The meeting ended with National Anthem. More than 120 participants participated in the event.



Dr V Karthikeyan, Chairman honoring the Chief Guest Dr P Rajasekhar with shawl and memento

Chief Guest Dr P Rajasekhar, Environmental Adviser & Founder Chairman of Sustainable Enviro Promoters, Chennai addressing the gathering





**Group photo with School Students** 

# Beyond the Visible: A Journey into Nanotechnology and Photonics (08.04.2024)

The Tamilnadu State Centre of the Institution of Engineers (India) organised the guest lecture on the topic **Beyond the Visible: A Journey into Nanotechnology and Photonics** on 8<sup>th</sup> April 2024 at **6.30 pm** through online Zoom Meeting.

At the outset., **Dr V Karthikeyan**, Chairman, IE(I) Tamilnadu State Centre welcomed the gathering. **Dr K Thangaraj**, Chairman, IE(I) Salem Local Centre introduced the guest speaker **Dr M Silambarasan**, Assistant Professor (Senior Grade) of Physics Head, Centre of Excellence in Photonics and Nanotechnology, Saveetha Engineering College.

The Guest Lecture explored into the fascinating realms of nanotechnology and photonics, offering attendees a comprehensive overview of these cutting-edge fields and their interdisciplinary connections. The talk commenced with a concise vet informative overview of nanotechnology, elucidating its significance, principles applications in various domains ranging from healthcare to electronics. The audience was introduced to the notion of manipulating matter at the nanoscale, where materials exhibit novel properties and behaviors, revolutionizing industries and scientific research. Transitioning seamlessly into the realm of photonics, the talk illuminated the audience on the fundamentals of this field, emphasizing the role of photons as carriers of information and energy. Attendees gained insights into the myriad applications of photonics, spanning telecommunications, energy harvesting and biomedical imaging, among others.

The crux of the lecture unfolded as the speaker navigated the audience through the burgeoning domain of nanophotonics, where nanotechnology intersects with photonics to unlock unprecedented capabilities and functionalities.

Current trends in nanophotonics were elucidated, showcasing advancements such as Plasmonics, Metamaterials, quantum dots and their transformative potential across various sectors. Furthermore, the talk offered a glimpse into the future directions of nanophotonics, envisioning breakthroughs in ultra-compact photonic circuits, single-photon sources, and quantum information processing. Attendees were encouraged to envision a future where nanophotonics fuels innovation across industries, driving paradigm shifts in computing, communication and sensing.

Highlighting the institution's role in fostering research and innovation, the lecture shed light on the R&D Centre - Centre of Excellence in Photonics and Nanotechnology at Saveetha Engineering College. The center's endeavors in advancing knowledge and technology in these domains were underscored, underscoring the institution's commitment to shaping the future of science and engineering.

In conclusion, the Guest Lecture provided a captivating exploration of the synergies between nanotechnology and photonics, illuminating pathways towards groundbreaking discoveries and technological innovations. Attendees departed with a deeper understanding of these frontier fields and a heightened appreciation for their immense potential to reshape the world as we know it.

Overall, the event served as a testament to the power of interdisciplinary collaboration and knowledge dissemination in driving scientific progress and societal impact.

**Er D Gokul , MIE**, Honorary Secretary of IE(I) Tamilnadu State Centre proposed the vote of thanks.

# **Guest Lecture : Managing Stress and Developing Resilience** (20.04.2024)

The Tamilnadu State Centre of the Institution of Engineers (India) organised the guest lecture on the topic Managing Stress and Developing Resilience on 20<sup>th</sup> April 2024 at 7.00 pm through online Zoom Meeting.

At the outset., **Dr V Karthikeyan**, Chairman, IE(I) Tamilnadu State Centre welcomed the gathering. **Er S Loganathan**, Committee Member, IE(I) TNSC introduced the guest speaker **Dr. Kasthuri Venkatachalam**, Heartfulness Meditation Center, Salem Centre Coordinator.

She started her speech with, the first and foremost reason for stress is the imbalance in the mind. When, so many tasks are there, the mind could not assign them properly. All the tasks seem to be urgent and there is confusion about the priorities and the result is a stressful mind. The mind must be aware of time management and assigning the priorities of works. That is, the mind should be clear to decide which is the first thing to do and which comes next and so on.

Please remember that, 'Past is history, Future is mystery'. The present is the only field of work in our hands. The present may become a bad past or a bright future according the work we do in the present. So the present is called "A Present" (Gift).

Time is gold. It means one can make his time gold if he knows how to use it. The only chance to make time gold is in the present. How to use the present or how to use the time in our hands now?. To use the time efficiently, one must be free from stress.

Stress bothers us only when we are unable to decide what to do now. When we are in stress,

just relax and stop the work. Have a look at the works to be done. Then sort out the works according to their preference. Now start doing the most important and urgent work. Then go to the next. Soon you will find yourself immersed in your work without any stress. Because when you do the work step by step, the burden becomes lesser.

We must remember that there is always a chance for resilience. But, resilience is possible only we are not stressful. To be free from stress, we must analyze our attitudes and try to connect them.

We are complaining about lack of time, lack of sufficient information, lack of support etc., These are some reasons for stress. Stress leads to failure of the work.

To develop resilience, one must have patience. Patience is the ability to wait for something to happen. Once Mahatma or Buddha???? asked his disciple to bring water from the nearby pond. The disciple went there and they found that the water was muddy because there was a buffalo is taking bath in the water, which made the water dirty. The disciple waited for half an hour after the buffalo has gone. The water became clear, and then the disciple took the water.

So just wait for resilience and the stress goes off. Resilience is a gift by God, given to the mind to come back to the normal functioning. To develop resilience develops patience and faith in self and in God.

**Er D Gokul , MIE**, Honorary Secretary of IE(I) Tamilnadu State Centre proposed the vote of thanks.

## **Know Your Member (KYM)**

**Respected Corporate Members of Tamilnadu State Centre,** 

Kindly fill the Know Your Member (KYM) for updation of Membership in the database and send it to <a href="mailto:ieitamilnadu@gmail.com/tnsc@ieindia.org">ieitamilnadu@gmail.com/tnsc@ieindia.org</a>

## **Know Your Member (KYM)**

**Application Form** 

PHOTO
Mode of Qualification (Regular/Distance/ Part-Time)

D. OCCUPATION:	
Occupation:	
Specialization:_	

#### **E. DECLARATION:**

I hereby declare that the details furnished above are true and correct to the best of my knowledge and belief. In case, any of the above information is found to be false or untrue ormisleading or misrepresenting, I am aware that I may be held liable for it. I hereby give my full consent to include my name and contact information as they are now or may be altered hereafter in all the directories/lists of members as deemed fit by the Institution.

DATE:

PLACE:

**Full Signature of the Applicant** 

Tick the Check list below for Document Attached. The list of acceptable documents are given as per enclosure:

- 1. Self-attested copy of Photo ID / Member's Identity: [ ]
- 2. Self-attested copy of DOB:[]
- 3. Self-attested copy of Address proof:[]
- 4. Self-attested copy of Aadhar Card (if applicable)

### LIST OF ACCEPTED DOCUMENTS WITH KYM

#### • For Photo-ID / member's identification

- ✓ PAN / Aadhar / Voter Card / Passport / Photo ID Card issued by IEI
- ✓ Photo ID-Card issued by currentemployer
- ✓ Any Photo-ID card issued by State/ Central Govt. / PSUs/ Autonomous bodies
- ✓ Photo ID-Card issued by currentemployer

### For Date of Birth

- ✓ Aadhar / PAN Card / Birth Certificate / Affidavit before Judicial /Executive Magistrate
- ✓ Letter from current employer mentioning DOB / Passport
- ✓ Admit Card / Certificate of School
- √ leaving/Matriculation exam recognised educational board having DOB mentioned
- ✓ Any other document issued by State/Central Govt / Local mentioning the DOB

## **Forthcoming Technical Activities**



The Institution of Engineers (India)

Tamilnadu State Centre







Theme "Sustainable Shipping: Opportunities and Challenges"

Date: 11th May 2024 Meeting ID: 925 9856 7957

Day : Saturday Passcode: IEITNSC

Time: 6.00 pm

Join Zoom Meeting

https://zoom.us/j/92598567957?pwd=dEVxZzQxZEVLRU0rSXVidIBMa3Z0dz09

**Chief Guest** 



### Dr (CAPTAIN) SURESH BHARDWAJ,

Resident Director & Principal MASSA Maritime Academy, Chennai.

All are cordially invited !

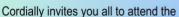
Dr V KARTHIKEYAN, FIE Chairman



Er D GOKUL, MIE Honorary Secretary IE(I) TNSC



## The Institution of Engineers (India) Tamilnadu State Centre





Theme: Digital Innovation for Sustainable Development

On Saturday, the 18th May 2024 at 4.00 pm

Venue

IE(I) TNSC Auditorium No 19, Swami Sivananda Salai Chepauk, Chennai – 600005





MR. BHARATHI ATHINARAYANAN
Technologist / National MAARG Mentor
Bangalore



ER D GOKUL Honorary Secretary IE(I) TNSC

DR V KARTHIKEYAN Chairman

IE(I) TNSC

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IE(I) TNSC

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