

News Magazine of The Institution of Engineers(India), Kerala State Centre Voice of Kerala Engineers

Vol. XVIII No.6

July 2022

Price 2/-

CHAIRMAN SPEAKS

Prof. (Dr.) M. Jayaraju, FIE



The first State Committee Meeting chaired by me was held on 26-6-2022 at IEI Kochi Local Centre. It is the 5th State Committee Meeting for 2021-23. With the support of all Members some important decisions were taken, as follows. A Seminar on 'Adaptability of Urban Flood Management suitable to Thiruvananthapuram City' under Civil Engineering Division Board of IEI is proposed to be held on July, 2022 at State Centre. Regarding the hike in IEI Membership Fees, it is to be taken up with HQ.

I am extremely thankful to the Chairman, Hon. Secretary, Members and Staff of Kochi Local Centre for organizing the Meeting and all Members for participation.

It is utmost necessary to increase, substantially, the number in Membership and Institutional Membership to strengthen IEI. For this a Membership Campaign on war footing has been taken up. With your concurrence, the slogan is '**Each One, Bring One**'. Each Member should bring in at least one new Member. As part of this Membership drive, a Membership Help Desk is to be set up at State Centre.

Also it was decided to start Coaching Classes for GATE, B. Tech Lateral Entry, PSC Tests, etc. and to vitalize Wednesday Talks.

With the co-operation of all Members, World Environment Day was observed on June 5, 2022. Seedlings were planted in the State Centre premises. Hope we make it a 'Green Premises' in future. World Tele-Communication and Information Society Day was also observed with good participation.

The 715th National Council Meeting of IEI was held from 17 to 19 June, 2022 at Kandaghat, Solan, Himachal Pradesh. Concurrently, 73rd State Centres' Co-ordination Committee (CCC) Meeting was held on June 17, 2022. One of the major decisions of the Council was to reinstate the reduced manpower grant to the State and Local Centres. Some on-line Election procedures proposed, earlier, were also approved.

Till next time, then.

HONORARY SECRETARY'S DESK

Er. Roy Mathew, MIE



06-07-2022 Technical Talk on "Digital University Kerala: Curating a responsible digital World" by Prof (Dr) K G Satheesh Kumar, Professor, Digital University Kerala

13-07-2022 Technical Talk on "Law on Agreement and Arbitration- Practice and Procedure" by Shri. D. Premachandran, District & Sessions Judge (Retd.)

20-07-2022 Technical Talk on "Nature Cure and its Principles" by Dr. V Rajendra Babu, Former Professor and Head (Civil), Dean (PG Studies), College of Engineering, Thiruvananthapuram.

27-07-2022 Technical Talk on "Multifunctional Ultra wideband Antennas Trends, Techniques and Applications" by Dr Chinmoy Saha, Associate Professor, IIST Trivandrum.

03-08-2022 Technical Talk on "Manufacturing Competitiveness and Best Industrial Practices by The Applications of Techniques in Operations Research and Operations Management" by Er Venugopal S., Joint General Manager, HLL Life Care Limited Trivandrum.

One day Seminar on 'Adaptability of Urban Flood Management suitable to Trivandrum City'

IEI Kerala State Centre is conducting one day seminar on 'Adaptability of Urban Flood Management suitable to Trivandrum City' planned on **26th July 2022**, under the aegis of Civil Engineering Division Board of IEI at IEI Kerala State Centre, Thiruvananthapuram.

5th State Centre Committee Meeting held at Kochi Local Centre on 26th June 2022



A Century of Service to the Nation

REPORT FROM LOCAL CENTRES

PALGHAT LOCAL CENTRE

07-05-2022: Webinar on AR-Gap Pavements: The Way Forward by Dr. C V Veena Venudharan, Assistant Professor, Department of Civil Engineering, Indian Institute of Technology (IIT) Palakkad.



17.05.2022: Observed World Telecommunication & Information Society Day Celebration 2022 on the theme “Digital Technologies for Older Persons & Healthy Ageing” at IEI Seminar Hall, Nerukakkad. Dr Keerthi Krishnan, Assistant Professor, Department of Electronics & Communication Engineering , NSS College of Engineering Palakkad was the guest speaker who delivered on the theme “Digital Technologies for Older Persons & Healthy Ageing” .



Er K.Madhan Mohan, Chairman welcomed the members to the technical talk. He stated that we are in the digital transformation era and every bit of digital data is harnessed in big data platform. Moreover, proliferation of IOT and IIOT and AI driven applications using machine learning and deep learning have revolutionized the world. In this scenario there exists a disparity between the younger generation and older people and it is found that younger people are more technical savvy or computer savvy unlike older people. So under these circumstances it is necessary to bridge this gap by creating awareness among the older people to keep abreast with the latest technological advancements.

Aged people are having health issues like hearing impairment or visual impairment or cognitive impairment and they should have adequate knowledge of the tools and gadgets using digital assistive technologies for improving their quality of life. Now wearable watch using GPS tracking for Alzheimer's patients or gadgets supported by gyroscope and motion sensors for tremor control for Parkinson patients who are suffering from tremors especially when hands are shaky while drinking or eating giving lots of relief to them. By availing the latest digital technologies older people can age gracefully and healthy.

In the keynote address Dr Keerthi Krishnan explained that

Numerous underlying physiological changes occur with increasing age, and for older people the risks of developing chronic disease and care-dependency increase. The major burdens of disability arise by the age of 60 and the ages have remained static over the last generation. Older people experience a gap between their needs and adoption of technologies that help to support more independent living. Assistive technology is a generic term that describes tools used by people with movement difficulties or differently abled to accomplish their tasks.

Digital assistive technologies for elderly include smart systems such as magnifying book contents, speaking electronic devices, alarms for doors and windows, smart alert bands, panic buttons, medication dispensers and reminders, Wander Gard, physiological parameters monitoring systems and smart home monitoring systems. Various studies explore the effectiveness of technology-based interventions in providing cognitive, physical, and emotional support for older adults.

The presentation also discussed few assistive technologies focusing on Electroencephalogram (EEG) based Brain-Computer Interface (BCI) systems.

The session concluded with vote of thanks by Dr. C. Pradip, Hon. Secretary in which he thanked the Keynote Speaker Dr. Keerthikrishnan for her wonderful presentation . He also thanked the Chairman for presiding over the function and all participants and dignitaries who attended the webinar and actively participated in the discussion with keynote speaker.

05-06-2022: Observed World Environment Day at IEI Seminar Hall, Nerukakkad, Palakkad in Hybrid Mode. Er Krishnan M N, Environmental Engineer, Kerala State Pollution Control Board, Palakkad was the guest speaker who delivered a speech with PPT presentation on the theme “Only one Earth” .

Er K.Madhan Mohan , Chairman of the Local Centre presided over the function and welcomed the members to the technical talk. He stated that our planet earth is under constant threat from manmade disasters. First and foremost is the climate change. Emission of GHG gases from various sources like energy sector or industry sectors or transportation sectors have contributed immensely to the



global warming and ultimately resulted in climatic change. Climatic changes manifest in the form of severe draught or heavy floods. The Chairman also said that the whole world is reeling under the impact of climate change and our country is also bearing the brunt of climatic change. Now every Nation is trying to bring down the global warming temperature rise by 1.5 Deg C as committed in the climatic change summit in Paris as well as Glasgow COP 26 summit by reversing/ undoing the manmade disasters reducing the carbon footprints. Another threat to our earth is ozone layer depletion due to CFC gas emissions by the use of Refrigeration and air conditioning leading to UV rays hitting the earth directly and now again trying to reverse this by replacing CFC gas by HFC gas in refrigeration system. Also land pollution, air pollution and water pollution levels are high in the present times and now efforts are on to reduce them in all possible ways. It's also to be borne in mind that all natural resources are depleting in a rapid pace especially fossil fuels, rare earths like lithium etc. Even ground water depletion is a cause of concern. So unless these manmade disasters are addressed and preventive measures are taken, we cannot preserve our planet for future generations as we have only one earth.

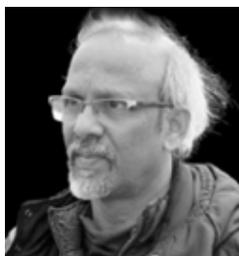
In the speech, the Chief Guest Er Krishnan M N explained the following:

Each World Environment Day is organized around a theme that focuses attention on a particularly pressing environmental concern. The theme for 2022, "Only one Earth," is the theme which set to focus on living sustainably in harmony with nature. He stressed the need to prevent pollution in order to preserve the earth's biodiversity and the sustainability of living things, including humans. He said it was the duty of every responsible citizen to reject single use/ disposable plastic products. Further, he said it was imperative to promote biofuels from bio-waste and to build specialized pedestrian-cycle parallel roads in cities to promote cycling. The speaker also discussed with the audience the health problems that can be caused by micro-plastic elements in different microns in the human body.

TRICHUR LOCAL CENTRE

05-06-2022: Observed World Environment Day in Webinar mode. Dr. B. Jayaraman Chillayill Co-founder and MD, EQUINOCT, Kochi delivered the lecture on the theme "Only One Earth: Living Sustainably in Harmony with Nature".

Speaker emphasized that humanity is failing to stop climate change which is way beyond urgency. Global surface temperatures are increasing and if the current warming rates continue, global warming could reach 1.5°C by 2030. The Indian Ocean heat content has increased abruptly which accounts for more than 70% of the global heat gain in the upper 700 m during the past decade. In the Indian Ocean region, the



chances of cyclonic disturbances known as low-pressure areas transform into cyclones in the Arabian sea. Climate change in Asia will translate into more floods, landslides, intense rains, and droughts. Science and technology should come up to combat the climate change phenomenon and to save mother earth.

KOCHI LOCAL CENTRE

14 & 15 May 2022: IEI Kochi Local Centre conducted a twodays National seminar on "Traditional Architecture and Technology" with the theme "Wisdom of Sages Through New Age Materials" organised with the approval of the Architectural Engineering Division Board of the Institution of Engineers (India) in association with Vastu Vidya Pratisthanam, (VVP) Calicut, Kerala, a research foundation promoting traditional Indian Architecture, conducted at IEI Kochi Local Centre.

The inaugural session was presided over by Er. P A Salahudheen Chairman IEI Kochi local Centre. Function



commence with prayer followed by welcome address by the Executive Director of VVP Er Sivasankara Menon. The Seminar was inaugurated by Mr Kanipayyor Krishnan Nambudiripad by lighting the traditional lamp followed by a brief inaugural speech. Dr.Muraleemadhavan presented keynote address. Subject was "Sanskrit in the technological Age and possibilities and challenges in Vasthusastra studies". Er K S Babu, Hon secretary IEI Kochi and Dr May Mathew, IEI, Kerala State Centre Committee Member felicitated the seminar. The inaugural session concluded with vote of thanks by Dr Gireeshan, Superintending Engineer KWA. Keynote address was delivered by Dr.Muraleemadhavan on 'Sanskrit in the technological age and the possibilities and challenges in Vasthusastra studies'.



Following papers presented in the seminar sessions.

'Cultural legacy of India' by Dr Balagopalan T S Pabhu. 'Conservation Engineering and New age materials' by Dr A P Sasikala. Both sessions were chaired by Mr Kanipayyor Krishnan Nambudiripad.

Grammar of Temple Theater by Dr D. Gireeshan and Kutthambalam by Dr Madhuraj. Both sessions were chaired by Er. Gopakumar

Traditional Residential Architecture by Dr Ms. Ashalatha Thamburan, Aesthetics in Architecture by Er. K Chitra lekha and Temple Renovation Work by Er. Raman Bhattathripad All the sessions were Chaired Er. K. S. Babu.

Theme- Innovative technique and use of building materials by Er. Sivasankara Menon. Session was Chaired by Er. K.S Babu.

The valedictory session Chaired by Er. T P Raveendran, Past Chairman and valedictory address by Er K S Babu on behalf of IEI.

Er Suresh Lal of VVP proposed a vote of thanks and the seminar concluded with the National Anthem.

Recommendation and outcome of the seminar

Vastusastra is one of the ancient Indian sciences of Building Design and Architecture having the treasure of Knowledge for the development of modern architectural applications for vibrant buildings for peaceful habitats.

This seminar recommends the government and technical educational institutions to give possible assistance to promote Traditional Architecture Research and development with modern technological Development.

Vasthuidya Prathisthan Calicut is ready to Associate with IEI Kochi Local centre to develop a Curriculum and to provide trainers for the benefit of beginners and newcomers in the field of Architecture.

17.05.202: Observed World Telecommunication & Information Society Day Celebration 2022 in webinar mode on the theme "Digital Technologies for Older Persons & Healthy Ageing".

This webinar was started with an opening remark by the Chairman of IEI Kochi Local Centre. He welcomed the speaker and participants and narrated briefly about the World Telecommunication & Society Day and he described the fast-growing and affordable telecom.



Dr. D Madhu, Convener Technical Activity Committee and IEI, Kerala State Centre Committee Member introduced the speaker.

Speaker Dr P T Mathew is an ITS officer holding the position of Deputy Director-General of Ernakulam circle having extensive experience in modern telecommunication systems.

The speaker started his speech with an explanation of the

concept of WT&SD. and clearly explained 1G to 5G mobile communication system. He extends his speech by about one Hour followed by an interactive session.

During the discussion, the speaker explained all the queries raised by the participants on various aspects of telecommunication systems it's developments.

The session was coordinated by Dr. G Madhu. Hon Secretary of Kochi LC proposed vote of thanks.

05.06.2022: Observed World Environment Day Observation 2022 in webinar mode on the theme "Only One Earth". This webinar was started with an opening remark and welcome speech by the Chairman of IEI Kochi Local Center. He welcomed the speaker and participants and narrated briefly about the World Environment Day emphasizing the need for everybody's personal involvement



to avoid the activities harmful to Mother Nature. Er. K S Babu, Hon. Secretary of Kochi Local Centre introduced the speaker to the participants. Speaker Dr. E V Ramaswamy, Dean and Professor of School of Environment Science and who is a veteran Environmental activist having eminent knowledge in Environmental issues both in the National and international level. The speaker started his speech with the Historical background of environmental day celebrations and their importance for the sustainability of Mother Earth. He extended his speech by about one hour followed by an interactive session.

During the discussion, the speaker explained all the queries raised by the participants on various aspects of environmental issues faced by the society and Nation as a whole section concluded with the vote of thanks to the speaker and other dignitaries by Hon Joint Secretary.

Recommendation and outcome of the Webinar.

From the deliberations, this Seminar raised various issues faced by the nation and society due to Carbon footprint issues and usage of Coal based Power generation, and its environmental impact. This webinar concluded with a recommendation to the IEI to guide the respective government to resolve this issue from both long terms and short terms perspectives

08.06.2022 : Lecture Meeting on 'Rare On Earth Processing And Its Value Addition'.

This Lecture meeting was started with an opening remark and welcome speech by Er. P. A. Salahudheen, Chairman of IEI Kochi Local Center and narrated briefly about the Rare Earth and his previous experience with Rare Earth processing Industries Dr. G. Madhu Kerala State Committee Member and Professor in CUSAT introduced the speaker.

Speaker Dr. Ragupatruni Bhima Rao, Dean & Professor of School of Environment Science and who is a veteran Environmental activist having eminent knowledge in

Environmental issues both in the National and international level scientist in the field of Minerals with specialization in Rare-earth Elements.

The speaker started his speech with statistics on the availability and demand of rare earth elements. Speaker described resources, demand, production, and Utility pattern both in India and abroad.

He extended his speech by about one Hour followed by an interactive session and a dinner.

During the discussion, the speaker explained all the queries raised by various participants on Rare-Earth classification and chemical derivatives and its Industrial application. This session concluded with the vote of thanks by Er. K S Babu, Hon. Secretary and followed by a presentation of memento by senior most member of the Local Centre Er K K George.

Recommendation and outcome of the lecture meeting.

From the deliberations, Speaker and other dignitaries expressed about vast scope for further research and development as well as for an All India Seminar in the very near future.

11.06.2022: Webinar on 'Marine Pollution: Imperative for Sustainable Marine Operation'.

This webinar commenced with a welcome address by Er. P A Salahudheen, Chairman of IEI Kochi Local Center. And Er Krishnan Kutty Chairman of the Institute of Marine Engineers Kochi Chapter narrated the details of the theme of the meeting with emphasis on the minimization of marine pollution followed by felicitation by Dr. Bhasker Bhandarkar, He narrated the need for more marine engineers in the IEI he also mentioned about the effort taken by present President Dr. Thakre Ji for his special interest in conducting this webinar.

Subsequently, Dr. Renganath Chairman CATE facilitated the webinar and appreciated the effort taken by D. Bhandarkar followed by the Presidential address by Dr. Hemanth Omkar Thakare Ji.

The main faculties of this webinar are Prof Rajendra Kumar V Saraf and Cmdr Uday Talwelkar He explained the main source of marine pollution due to marine operation as well as shipping industries and its mitigation methods Main Speaker Prof Rajendra Kumar V Saraf explained the subject with the help of a PowerPoint presentation. He covered all most all areas of marine pollution such as, the dumping of Radioactive waste, Chemical Waste, Plastic waste, other non-degradable solid waste, and oil spillage from marine operations mainly due to marine accidents or due to inadvertent acts of marines.



He explained various rules in the various ports on this pollution-related issue.

During the discussion, the speaker clearly explained all the queries raised by various participants. The webinar concluded at about 07.00 PM. with a vote of thanks by Er. N Rajan Hon. Secretary IME(I) Kochi Chapter, followed by National Anthem.

Recommendation and outcome of the webinar.

From the deliberations, speaker and other dignitaries expressed about the vast scope for minimizing the marine pollution from the shipping industries operation by adopting various new fuels and technological advancement.

12.04.2022: Webinar on 'Indian Railway – Safety Policy And Its Execution' by Dr. Ravikumaran Nair, IRSEE, Sr. Divisional Electrical Engineer operations, Madurai Division. Southern Railway.

The webinar was announced as a lecture meeting on Physical mode but due to heavy rain and inclement weather condition, the same had been converted to an online platform session. This webinar was started with an opening remark by the Chairman of IEI Kochi Local Centre and welcomed the speaker and participants and narrated a brief history of the Railway system and its evaluation. Er. Vijayachandran Nair, National Council member introduced the speaker.

Speaker is a working Railway Electrical Engineering and past Divisional safety officer in southern Railway.

Speaker described the safety system, and its national-level policy outline adopted by Indian Railway. He has mentioned various real-time practical safety-related incidents. His speech was followed by an interactive session. Several participants were actively involved during the discussion

During the discussion, the speaker cleared all the queries raised by the participants on Indian Railway systems and Railway. This discussion session was coordinated by Dr. G. Madhu successfully

Hon Secretary of Kochi Local center proposed a vote of thanks to the speaker and other dignitaries and before concluding the webinar a memento was also presented to the speaker.

28.04.2022 : Webinar on 'Future Trends in Computer Science' by Dr. Bijoy Antony Jose, Associate Professor, Department of Computer science, Cochin University Science and Technology.

This webinar was started with an opening remark by the Chairman of IEI Kochi Local Center. He welcomes the speaker and participants and narrated briefly about the development of Computer science within 40 years

Dr. D Madhu , Convener Technical activity committee and, State council member introduced the speaker.





Speaker is an Associate professor working in CUSAT Kochi having ample expertise in the subject and leading various projects connected with AI and ML and also a project guide for various Research scholars Speaker started the presentation with a brief history of computers and their development Speaker clearly explained AI and ML, Social media Security systems Etc.

He extends his speech by about one Hour followed by an interactive session.

During the discussion, the speaker explained all the queries raised by the participants on various computer applications and the modern developments. The session was coordinated by Dr. G Madhu successfully and proposed a vote of thanks to the speaker and other dignitaries and before concluding the webinar a memento was also presented to the speaker.



with a vote of thanks by Nesna Haris. The inauguration of an initiative, "PLANT A GARDEN, NURTURE LIFE" was done by Dr. J. Udayakumar, Associate Professor, TKM College Of Engineering, by planting a sapling on the courtyard of Civil Engineering department. After a tea break, a very entertaining and informative talk on "Emergency of climate emergency" was handled by Dr.J. Udayakumar. Speaker had a nice interactive session with the students. He had discussed about various aspects of climate change. He had also explained about the influence of wind on cloud formation which in turn leads to drastic weather change. His talk covered the topics like Global warming, greenhouse gases and its positive and negative effects. He had also mentioned about the drastic changes in rainfall pattern for the past one year. Chief guests were honored with mementos & the session thus ended on a pleasant note.

04.06.2022:The Institution of Engineers (India), Kollam Local Centre successfully observed "World Environment Day 2022" in befitting manner. The program was organized on the 4th of June 2022. The event started at 10.00 am with silent prayer. During inaugural session, Dr. Sheeba R (Hon. Secretary, IEI Kollam Local Centre) delivered welcome address and the presidential address was given by Er. Rajan K (Chairman, IEI Kollam Local Centre). Er.Sridhar Radhakrishnan (Environmentalist) was the chief guest and he inaugurated the event. After inauguration Dr. Jayaraju.M was honored on being elected as the chairman of IEI Kerala



KOLLAM LOCAL CENTRE

17.05.2022: The Institution of Engineers (India), Kollam Local Centre and IEI Students chapter, Department of Civil Engineering jointly conducted "World Earth day celebrations" on 17th May 2022, Tuesday 01.30 pm in the EEE Department Seminar hall. The programme was started with a two minute silent prayer. Charu. J. Krishnan, student member, IEI recited the poem "Bhoomikkoru Charamageetham". Prof. Anees Beegom. H, Staff coordinator, Students' Chapter welcomed the gathering. Dr. Najee. M, Principal, MESITAM delivered the presidential address. The Inauguration of the function was done by Er. K. Rajan, Chairman, IEI local center, Kollam. Dr. J. Udayakumar, Associate Professor, TKMCE, Kollam delivered the felicitation address. The prize winners of the poster competition were honored with certificates and prize money. The formal inauguration ceremony was ended



State Centre. The inaugural session was wound up with the vote of thanks by Dr.Biju K (Joint Secretary, IEI KLC).

The second session was the Expert lecture session. During this session the keynote address was delivered by Er.Sridhar Radhakrishnan. The speech was about the topic “Only one wounded earth- The challenges is to heal”. He emphasized about the importance to endure the environment to sustain the lives in nature and also talked about the evolution of earth. It was great awareness to all those who were gathered in the function. Next was an expert talk by Er.Biju.B (District Environmental Engineer, Kerala Pollution Control Board, Kottayam). The talk was about the “Public participate model in environmental conservation”. After the session the guests were honored on behalf of IEI Kollam Local Centre. The main highlight of the program was the tree sapling distribution. This tree sapling distribution was organized in association with “Kerala Forest and Wild Life Department”. About 50 saplings of plants were distributed to the chief guests, corporate members and the student chapter under the jurisdiction of IEI Kollam Local Centre. Around 60 students from various colleges and 20 corporate members were participated in the event. The event was concluded with planting tree sapling in TKM college of Engineering campus by the chief guests, Principal TKM College of Engineering and corporate members of IEI Kollam Local Centre.

26.05.2022: A technical talk was organized by The Institution

of Engineers (India), Kollam Local Centre at Bishop Jerome Institute, Kollam as part of World Telecommunication and Information society Day 2022 celebration. The event was organized in association with Bishop Jerome Institute, Kollam. Dr.M Padmadas, AGM,BSNL, Kollam was invited as Key note speaker .Inaugural session was started at 9:30 a.m. and Prof. Beena Varghese M. staff advisor IEI EEE, BJI ,delivered welcome speech.Dr.D.Roshen Kumar, Principal ,BJI gave Presidential address and Dr. Sheeba R.Hon. secretary, IEI, local center, Kollam delivered Felicitation for the program . The session was inaugurated by Dr. M. Padmadas and he gave inaugural address and was followed by the Technical session on “Unveiling the innovations in communications and IT “by Key note speaker. It was an interactive session. Students have got an idea in the development of telecommunication sector. Students of S1, S4, S6 and S8 of Electrical and Electronics and Electronics and Communication Engineering were (110 Nos.) attended the Programme. The technical talk came to an end at 12.40 pm. Ms. Mariya Johnson of S8 EEE delivered the vote of thanks.



Exhibition of Projects of Final year Students of various Engineering colleges and Polytechnic Colleges

The Institution of Engineers (India) Kerala State Centre is planning to conduct an exhibition of final year student projects carried out at various Engineering colleges and Polytechnic Colleges in and near Trivandrum and Kollam district during Christmas vacation in December 2022 .

As such we request you to depute completed B Tech / Polytechnic projects with two students to be presented on this exhibition tentatively fixed during the Christmas vacation in December 2022. Certificate of participation and cash prize will be given for selected meritorious projects. We request colleges to send workable projects to participate in this exhibition with a list of projects and name of students to us at the earliest.

COURSES

(With More than **Two Decades** of experience in GATE & IES Coaching)

Guidance Classes for **GATE 2023**

for the following Engineering Branches

Civil Engineering
Electrical Engineering
Electronics & Communication Engineering
Mechanical Engineering
Computer Science & Information Technology

Classes will commence from July 2022

Better GATE score will help in getting employment in many public sector companies, Undertakings also.

Guidance Classes for **Lateral Entry to B Tech** for all Engineering Branches

Classes will commence from July 2022

For details contact :

Phone : 0471 2322991 / 2322992 extension : 27

Mobile: 8078027563 / 9447696486

email : keralasc@ieindia.org / ieitvm@gmail.com

The Institution of Engineers (India)

Kerala State Centre

Visvesvaraya Bhavan, Opposite Kanakakunnu Palace,
Thiruvananthapuram 695 033

Kerala State Centre- WEDNESDAY TALKS - Glimpses

08-06-2022 Talk on 'Energy Efficient Motors for Industrial Applications' by Er Aneesh Rajendran, Certified Energy Auditor, Energy Management Centre-Kerala.



15-06-2022 Talk on 'Assistive Technology a Path towards Independence' by Dr. Suja. K. Kunnath Ph. D., Professor and Principal (In-charge), Department of Neurodevelopmental Sciences, National Institute of Speech and Hearing (NISH), Thiruvananthapuram.



22-06-2022 Talk on 'A Digital Currency for India: Prospects and Challenges' by Mr Satish Babu, Co-Founder & Board Member, InApp Technopark, Trivandrum.



29-06-2022 Talk on 'What is Deep in Deep-Learning?' by Dr Achuthsankar S Nair, Director, Dept of Computational Biology & Bioinformatics, University of Kerala.



Voice of Kerala Engineers

July 2022



Date of Publication : 07-07-2022

To

If undelivered please return to:

The Institution of Engineers (India)

Kerala State Centre
Visvesvaraya Bhavan
Opposite Kanakakunnu Palace
Thiruvananthapuram - 695 033

Phone: 0471-2322991, Fax: 0471 - 2322992
E-mail: ieitvm@gmail.com, keralasc@ieindia.org
Web: www. ieitvm.org

Disclaimer: The Institution of Engineers (India) Kerala State Centre, as a body, accepts no responsibility for the statements made by individuals.

Editorial Board : Er.Sarat Kumar K, MIE, Editor, Er.Balakrishnan Nair P, FIE, Er.K.R.Suresh Kumar, MIE, Er. R.K. Subramonian, MIE, Prof. (Dr.) M. Jayaraju, FIE, Chairman-KSC, Er.Roy Mathew, MIE, Honorary Secretary-KSC

Printed and published by Prof. (Dr.) M. Jayaraju, FIE, Chairman on behalf of The Institution of Engineers (India) Kerala State Centre. Printed at Akshara Offset, Kunnumpuram, Thiruvananthapuram (Ph: 0471-2471174). Published at IEL-KSC, Visvesvaraya Bhavan, Opposite Kanakakunnu Palace, Thiruvananthapuram. Editor: Er. Sarat Kumar K.