



CHAIRMAN SPEAKS

Er. P. Balakrishnan Nair, FIE.



725th Council meeting of IEI was held in Hosur during 29 - 31 March 2024. All the five Council members, representing Kerala State Centre, participated in the meeting. The main points centred upon how the revenue should be generated by each State and Local Centres. The grant from the Head Quarters is getting slashed and the Centres will have to think

of various modes of income generation. It is all the more a gratifying news that Kochi Local Centre was able to grab one National Seminar for Environmental Engineering Division and one for Civil Engineering Division this year to be held in August and October 2024 respectively.

The HQ will provide grant for only one 2-day National Seminar and one 1-day Conference per discipline for each centre henceforth. It is reminded to adhere to the norms for registering in advance.

My appeal to all members would be to showcase our events in a well-organised manner so as to enhance our reputation at the national level.

Jai Hind.

HONORARY SECRETARY'S DESK

Er. (Adv.) K. R. Suresh Kumar, MIE, FIITArb



Upcoming Events

11-04-2024: National Maritime Day Celebrations 2024. Lecture on the theme 'Sustainable Shipping: Opportunities and Challenges' by Er. N. M. C. Nair, Ex Mariner.

17-04-2024: "Materials for Carbon Dioxide Absorption" by Dr. S Ananthakumar, Chief Scientist, CSIR-IIIST, Thiruvananthapuram

24-04-2024: "Geopolymer Concrete – A material for Sustainable Development" by Renju C.M, Assistant Professor, Department of Civil Engineering, Marian Engineering College.

01.05.2024: Being holiday, there will not be Wednesday Talk.

WORLD ENGINEERING DAY CELEBRATIONS

04-03-2024: World Engineering Day was celebrated jointly with Marian Engineering College. Dr. Samson Mathew, Director, National Transportation Planning and Research Centre (NATPAC) & Professor of Civil Engineering, NIT-Tiruchirapalli inaugurated the celebration. He gave a lecture on the theme 'Engineering Solutions for a Sustainable World' at Marian Engineering College, Menamkulam, Kazhakuttam, Thiruvananthapuram. Dr. S. Narayanan, FIE, Professor & HoD, Civil Engineering introduced the Speaker. Er. P. Balakrishnan Nair, FIE, Chairman, IEI Kerala State Centre introduced the theme in his speech. Er. (Adv.) K. R. Suresh Kumar, MIE, FIITArb, Honorary Secretary, IEI Kerala State Centre gave felicitation speech. Dr. Abdul Nizar M., Principal, Marian Engineering College welcomed the audience. Prof. Abhijith R. P., CE Dept., Marian Engineering College proposed vote of thanks. Certificates were distributed to participants.



Dr. Abdul Nizar M., Principal



Er. P. Balakrishnan Nair, FIE, Chairman, IEI Kerala State Centre



Dr. V. Rani, Professor



Lecture by Dr. Samson Mathew



A view of audience



Vote of thanks by Er. K. R. Suresh Kumar

22-03-2024: WORLD WATER DAY CELEBRATIONS

World Water Day was celebrated jointly with St. Thomas Institute for Science & Technology, Kattaikonam, Kazhakuttam, Thiruvananthapuram. Dr. Shibu Krishnan, Associate Professor, College of Engineering, Thiruvananthapuram delivered a lecture on the theme 'Water for Peace'. Er. P. Balakrishnan Nair, FIE, Chairman, IEI Kerala State Centre introduced the speaker and introduced the seminar theme. Er. (Adv.) K. R. Suresh Kumar, MIE, FIITArb, Honorary Secretary, IEI Kerala State Centre delivered the felicitation address. Dr. Mathew A. G., Principal, St. Thomas Institute for Science & Technology welcomed the gathering. Prof. Asish Prasad, HOD, Civil Engineering Department, St. Thomas Institute for Science & Technology proposed the vote of thanks.



Dr. Mathew A. G.



Address by Er. P. Balakrishnan Nair



Dr. Shibu Krishnan presenting theme



Presenting memento to Dr. Shibu Krishnan



Vote of thanks by Er. (Adv.) K. R. Suresh Kumar, MIE, FIITArb



Members of IEI and Faculty members of SIST

A Century of Service to be Nation

Kollam Local Centre

01-03-2024: WEBINAR. A Webinar was organized on 1 March 2024. Mr. George Abraham (General Manager, L&T Construction) and Mr. Ashish Kumar Saxena (Asst. Manager, L&T Construction) were the speakers. They spoke on the topic "Operational Excellence through Lean Management, Digital Technology and Innovation in Construction Industry". Dr. Madhusoodanan Pillai K., Chairman delivered welcome address. Dr. Sudhi Mary Kurian, Hon. Secretary gave an overview of the Webinar and Dr. Binulal B. R., Committee Member introduced the speakers.



29-02-2024 to 02-03-2024: WORKSHOP AND CHAMPIONSHIP ON AI & IoT

IEI Kollam Local Centre and the Departments of ECE & CSE jointly organized a 3-day workshop and championship on Artificial Intelligence (AI) and Internet of Things (IoT)



In Day 1, Mr. Bini Benny, Senior Developer & Trainer (AI & Data Science) gave a lecture on the topic "Applications and Importance of AI". In Day 2, Mr. Abdulla Hussain N. K., Embedded System and IoT Engineer handled a session on the topic "Hands-on training on IoT". In Day 3, Mr. Ranjith R. K., AI Engineer & Trainer talked on the topic "Integration of AI and IoT".

06-03-2024: INAUGURATION OF STUDENTS' CHAPTER

The inauguration of IEI Computer Science & Engineering Students' Chapter, TKM Institute of Technology, Karuvellil, Kollam was held on 6 March 2023. Dr. Madhusoodanan Pillai K., Chairman, IEI Kollam Local Center inaugurated the Chapter. Dr. D. Chithraprasad, Principal presided over the function. Dr. Sudhi Mary Kurian, Honorary Secretary of IEI Kollam Local Center felicitated the event. Dr. Sooraj T. R., HOD, Department of CSE welcomed the audience.



23-03-2024: WORLD WATER DAY

Was observed "World Water Day 2024" on the theme "Water for Peace", at Hotel All Seasons, Kollam on 23 March 2024. The program was co-sponsored by Kerala State Council for Science, Technology and Environment. The Kerala Minerals & Metal Ltd., Chavara, Kollam, IRE (India) Ltd., TKM College of Engineering, Kollam and TKM Institute of Technology, Karuvellil, Kollam were the other associate sponsors for this program.



Dr. P. K. Gopan, President, Jilla Panchayath, Kollam inaugurated the event. Dr. Madusoodanan Pillai K., Chairman, IEI KLC presided over the function. Er. P. Balakrishnan Nair, Chairman, IEI Kerala State Centre and Er. Beena A., Superintending Engineer, Kollam Corporation offered felicitations for the event. Er. Shajahan A., Convenor, World Water Day program & Executive committee member, IEI KLC welcomed the audience. Dr. Sudhi Mary Kurian, Honorary Secretary, IEI KLC proposed vote of thanks.

Inaugural session was followed by technical sessions. Dr. P. Harinarayanan, Senior Principal Scientist, KSCSTE talked on the topic "Leveraging water for peace & climate change". Mrs. Saritha S., Senior Scientist, Central Ground Water Board spoke on the topic "Occurrence and movement of ground water".

Kochi Local Centre

04-03-2024: WORLD ENGINEERING DAY FOR SUSTAINABLE DEVELOPMENT

Was observed World Engineering Day for Sustainable Development 2024 on 4 March 2024. An enlightening speech was given on the

theme "Engineering Solutions for a Sustainable World" by Dr. Anil Joseph, FIE, Chairman of the Civil Engineering Division Board at IE (I), President of the Indian Geotechnical Society and Managing Director of Geostructurals Pvt. Ltd. Er. G Velayudhan Nair, FIE, Chairman delivered welcome speech and Prof. Dr. G. Madhu, FIE and Council Member of IEI introduced the speaker. Dr. Anil Joseph's speech focused on the vital role of sustainability in geotechnics and presented various



16-03-2024: TECHNICAL PRESENTATION

A Technical Talk was hosted on the topic "Light Weight Beam Element Made from Recycled Plastic Laminate Encompassed with Cold-Formed Steel" on 16 March 2024. Dr. Kavitha P. E., Associate Professor, Dept. of Civil Engg., Federal Institute of Science and Technology, Angamaly was the speaker.



22-03-2024: WORLD WATER DAY CELEBRATION

Was observed World Water Day Celebration on the topic "Leveraging Water for Peace" in physical mode. Prof. (Dr.) M. M. Prabhakaran, FIE, Chief Consultant, Saras Engineering & Environ Consultants, Maradu, Executive Engineer (Retd.), Kerala Water Authority & Former Principal, AACET, Thodupuzha was the speaker.



Trichur Local Centre

25-02-2024: INTERACTIVE SESSION AT ESCI, HYDERABAD

Er. Kumar P. R., Honorary Secretary, Trichur Local Centre attended the interactive session for Chairmen and Honorary Secretaries at Engineering Staff College of India, Hyderabad on 25 February 2024.



04-03-2024: WORLD ENGINEERING DAY FOR SUSTAINABLE DEVELOPMENT

"World Engineering Day for Sustainable Development 2024" was celebrated on 4 March 2024. Er. Saju Antony Pathadan, Construction Engineer & Former Lions Kerala Multiple Chairman was the chief guest who spoke on the theme "Engineering Solutions for a Sustainable World". Er. Thomas John, Chairman welcomed the gathering.



Dr. T. N. Sathyanesan participated in floor discussion & presented a memento to the chief guest. Prof. Dr. E. K. Kurien, FIE, Past Hon. Secretary proposed the vote of thanks. Er. Saju Antony presented the theme "Engineering Solutions for a Sustainable World" with special reference to 17 SDGs of UN & UNESCO's mission. He explained the 4 pillars of sustainability viz. Human, Social, Economic & Environmental. He also narrated the 4C's of sustainability viz. Consumption, Conservation, Community & Cooperation.



19-03-2024: TECHNICAL SEMINAR

A Technical Seminar on the topic "Quantum Computing – A Paradigm Shift in the Computational World" was conducted at CSE Department, Government Engineering College (GEC), Thrissur on 19 March 2024. Er. K. Madhana Mohan, FIE, former IRSEE Officer, Past Chairman, IEI Palakkad Local Centre and consultant for EV manufacturing industries was the chief speaker on the theme. Dr. Jiji



K. S., Dean (Research), GEC, Thrissur inaugurated the event. Prof. Dr. C. E. Krishnan, FIE, Past Chairman delivered a speech about IEI, different categories and eligibility to become corporate members and highlighted the benefits of becoming corporate member. Er. Thomas John V., FIE, Chairman felicitated the function.

22-03-2024: WORLD WATER DAY 2024

“World Water Day” was celebrated on 22 March 2024. Dr. N. Sajikumar, Retd. Professor and HoD, CE Department & Dean (Research), Govt. Engineering College, Thrissur was the chief guest who spoke on the theme “Water for Peace”. Er. Thomas John, Chairman welcomed the gathering and briefly introduced the topic.



25-03-2024: SEMINAR ON ENERGY CONSERVATION THROUGH POWER QUALITY

IEI Trichur Local Centre in association with EEE Dept., IES College of Engineering, Chittilapilly conducted a programme for EEE students of 2nd, 3rd and 4th years. Er. John Tharayil Porinchi, Managing Director, Emac Automation Pvt. Ltd. gave a technical talk on topic “Energy Conservation through Power Quality”. He also discussed about “Ham Radio - the space age hobby” with the students. Dr. John Chembukkavu, HOD, EEE Dept. inaugurated the programme. Er. Thomas John V., FIE, Chairman felicitated the function.



Palghat Local Centre

04-03-2024: WORLD ENGINEERING DAY FOR SUSTAINABLE DEVELOPMENT

World Engineering Day for Sustainable Development was celebrated at Hotel Gazala Palakkad on 4 March 2024. Er. G. Natarajan, Retired Senior Scientist, CSIR-CMERI Durgapur, West Bengal was the guest speaker who spoke on the theme “Engineering Solutions for a Sustainable World”. Er. A. V. Rajappan, Chairman presided over the function. Dr. Rajesh Menon B., Honorary Secretary welcomed the members to the meeting.



22-03-2024: WORLD WATER DAY

Palghat Local Centre celebrated World water Day for Sustainable Development at Hotel Gazala Palakkad on 22 March 2024. Dr. Sudheer Padikkal, General Manager, Kerala Irrigation Infrastructure



AWARD

HLL, Thiruvananthapuram received Quality Innovation Award 2024 from IEI Safety Quality Forum in Gandhinagar, Ahmedabad on 11.03.2024.



HLL, Thiruvananthapuram receives Quality Innovation Award 2024

Development Corporation, Government of Kerala was the guest speaker who spoke on the theme of the day “Water for Peace”. Er. A. V. Rajappan, Chairman delivered the presidential address.

22-03-2024: AWARD FOR OUTSTANDING IEI STUDENTS’ CHAPTER 2024

IEI Palghat Local Centre, presented the ‘Best IEI Students’ Chapter Award 2024’ on 22 March 2024, from among IEI Students’ Chapters in the Engineering Colleges of Palakkad and Malappuram districts. IEI Students’ Chapter, Dept. of Electrical and Electronics Engineering, NSS College of Engineering, Palakkad was selected for the Award for Outstanding Students’ Chapter for the year 2023-2024. The award, which consisted of a citation and a memento plaque, was handed over by Er. A. V. Rajappan, Chairman at a function held after the World Water Day programme. The chapter created its own website, seminars, workshops, industrial visits etc. Chairman Er. A. V. Rajappan presented the award to Dr. Leena N, Students’ Chapter Advisor and to Mr. Sajesh, Student-Coordinator, IEI Students’ Chapter, EEE Dept., NSS College of Engg., Palakkad. Dr. B. Rajesh Menon, Hon. Secretary congratulated the Students’ Chapter members.



Kozhikode Local Centre

04-03-2024: WORLD ENGINEERING DAY FOR SUSTAINABLE DEVELOPMENT

A Technical Presentation session was held at East Avenue Hotel, East Nadakkavu, Kozhikode 4 March 2024, in connection with the World Engineering Day for Sustainable Development. Prof. Dr. Abdul Gafur M., Principal, KMCT Institute of Emerging Tech. & Management (KMCT-IETM) made a presentation on the topic “Engineering Solutions for a Sustainable World”. Dr. Gireesan P., FIE, Chairman presided over the function.



22-03-2024: WORLD WATER DAY

“World Water Day was observed at Conference hall of the Office of the Centre on 22 March 2024. Dr. George K. Varghese, Associate Professor, Department of Civil Engineering, NIT Calicut made a detailed presentation on the topic “Water for Peace”. Dr. Gireesan P., FIE, Chairman presided over the function.



3rd National Quality Convention 2024

13-04-2024: 3rd National Quality Convention 2024. Er.P.Balakrishnan Nair, Chairman, IEI Kerala State Centre delivered a talk ‘Safety Leadership for ESG Excellence’



Kerala State Centre- WEDNESDAY TALKS - Glimpses

06-03-2024: Talk on 'Carbon Net Zero for Cities: What Can Residents Associations and Professional Societies Do?' by Prof. V. K. Damodaran, Chair, IEEE Life Member AG, Kerala Section.



Prof. V. K. Damodaran delivers talk.



Chairman hands over memento to the speaker.

13-03-2024: Talk on "Basics of Road Infrastructure, Vehicular Technology and Safe Way of Interaction" by Er. Subin B., Senior Scientist and in-Charge, Information Liaison and Training Division (ILTD), KSCSTE-NATPAC, Thiruvananthapuram.



Er. Subin B delivers talk.



Chairman hands over memento to the speaker.

20-03-2024: Talk on "Floating Solar System: The Thermal Pillar in Solar Energy Generation" by Er. M. R. Narayanan, Chairman of Adtech Systems Ltd. and Managing Director, Floatels India Pvt. Ltd.



Er. M. R. Narayanan delivers talk.



Chairman hands over memento to the speaker.

27-03-2024: Talk on "Thermochemical Conversion of Biomass for a Low Carbon Circular Economy" by Dr. Rakesh N., Freelance Consultant.



Dr. Rakesh N. speaks on the theme.



Chairman hands over memento to the speaker.

OBITUARY



Er. N. Antony Paul, MIE (M-101679-7, MC), Past Hon. Jt. Secretary (2014-16) of Palghat Local Centre passed away on 22 March 2024. He was Retired Senior Divisional Mechanical Engineer, Indian Railways. "May his soul rest in eternal peace".

EDITOR'S DESK

Prof. Dr. C. P. Sunil Kumar, FIE



Of course, there is no definite/unique format for Technical Report Writing, in the broad sense. Still a protocol for arraying the speakers can be adhered to, according to the importance of the various phases of the event. Those who read leading newspapers will underline the impact of such protocol.

While submitting Report of Activity, please have a uniform format such as the format given under:

1. Give a title/name of the event with date as a header.
2. Then specify the type of event:
 - (i) Which event or activity, (ii) Organised by whom, (iii) On which theme, (iv) On which venue, (v) On which date etc.
3. Then the chief guest(s) or main speakers should be given first priority. For eg: The celebrity or chief guest who inaugurates OR The guest (main) speaker who talks on the central theme.
4. Next importance is to the one who presides over the function.
5. Next the one who delivers keynote/subjective address.

6. Next the ones who gives felicitation speeches.
7. Then the one who gives welcome speech.
8. Then the one who gives introductory speech, if any.
9. Lastly the one who proposes vote of thanks.
10. Inbetween these, we can insert other important activities (such as distribution of certificates/prizes, release of souvenir, unveiling the website logo etc.) held in the midst of the function, if significant.
11. If more technical sessions/workshops/exhibitions/competitions are held as part of the major event, relevant details of each one can be amended.
12. No need to submit too much detailed subjective content of the talk as the Newsletter is meant for only reporting the activity in concise form, as the number of pages are limited.

Each Local Centre is requested to submit the content for May 2024 issue of VoKE onwards, in this format, as soon as the programme is over. This will eliminate the delay in releasing the Newsletter.

Editorial Board:

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- Prof.Dr. C.P.Sunil Kumar, FIE (Editor)
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Voice of Kerala Engineers

Published by IE (I) KSC, Visvesvaraya Bhavan, Opposite to Kanakakunnu, Palace, Thiruvananthapuram.
Editor: Prof. Dr. C. P. Sunil Kumar, FIE. Mob: 9447391035.

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

Printed and published by Er. P. Balakrishnan Nair, Chairman on behalf of IEI Kerala State Centre.



Voice of Kerala Engineers

The Institution of Engineers (India)

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

Phone: 0471-2322991, Mob: 8078027563. Email: ieitvm@gmail.com, keralasc@ieindia.org Visit: www. ieitvm.org

April 2024
Date of Publication: 07-04-2024