



CHAIRMAN SPEAKS

Prof. (Dr.) M. Jayaraju FIE



The Institution of Engineers (India), Kerala State Centre conducted a lot of programmes in September, 2023.

On 10-9-23, World Suicide Prevention Day a Seminar on 'Creating Hope through Action' was held jointly with Sanjeevani, Thiruvananthapuram under the aegis of Inter-disciplinary Coordination Committee.

On September 12, 2023, a One Day Seminar on 'Remote Sensing & GIS Application in Flood Risk Management' was held with good participation. The Seminar was conducted under the aegis of Civil Engineering Division Board, IEI jointly with St. Thomas Institute of Science and Technology, Thiruvananthapuram.

The 56th Engineers' Day was observed on 15th September, 2023 with a lecture on the topic, 'Strategies for Inter-Planetary Missions' by Sri. E. S. Padmakumar, Director, IISU, ISRO. Past Chairmen, Past Honorary Secretaries and Past Elected Council Members of Kerala were honoured on the occasion.

The State Committee Meeting was held on 30-9-2023.

It is proposed to observe World Habitat Day on 4-10-2023 with a lecture on the theme, 'Resilient Urban Economies – Cities as drivers of growth and recovery' by Prof.(Dr.) K. Manoj Kumar, Principal, Kerala State Institute of Design.

World Standards Day (October 14) will be observed on 11-10-2023 with a lecture on the theme, 'Shared Vision for a Better World' by Dr. C. V. Prashant, State Joint Secretary, IMA, Kerala.

A Two-Day All India Seminar on 'Processing and Value Addition in Agriculture for Increasing Farmers' Income – An Engineering Perspective' will be conducted during 25 – 26 October 2023 under the aegis of Agriculture Engineering Division Board, IEI in Thiruvananthapuram.

The Annual General Meeting of IEI Kerala State Centre will be held on 31 October 2023.

In this AGM, I will be relinquishing as Chairman, IEI KSC. It is without any doubt to mention that it was your whole-hearted advice and support that enabled me to perform to the best of my ability as Chairman. I extend my sincere thanks to All Office bearers of the National Council, council Members, SDG and all other members of the Headquarters, all Corporate Members, Members of State and Local Committees and Staff of State and Local Centres, individually, for all the cooperation given to me.

I request all Corporate Members to attend the Annual General Meeting.

HONORARY SECRETARY'S DESK

Er.Roy Mathew, MIE

Upcoming Events

11-10-2023 World Standards Day Celebrations 2023. Lecture on the theme 'Shared Vision for a Better World: Incorporating SDG 3' by Dr. C. V. Prashant, State Joint Secretary, IMA Kerala & Consultant, Pain and Palliative Department, RCC.

14-10-2023 One Day Seminar on Compassionate Communities: Together for Palliative Care' in connection with World Hospice and Palliative Care Day Organised by The Institution of Engineers (India) Kerala State Centre under the aegis of Interdisciplinary Coordination Committee of IEI in association with Rajeswary Foundation, Thiruvananthapuram

18-10-2023 will be announced later

25&26 October 2023 Two Day All India Seminar on 'Processing and Value Addition in Agriculture for Increasing Farmers Income- An Engineering Perspective' Organised by The Institution of Engineers (India) Kerala State Centre under the aegis of Agriculture Engineering Division Board of IEIS

31 October 2023 76th Annual General Meeting of Corporate Members of The Institution of Engineers (India) Kerala State Centre will be held on Tuesday, the 31st October 2023 at 11:00 am at The Institution of Engineers Hall, Visvesvaraya Bhavan, Thiruvananthapuram.



15-09-2023

56th Engineers' Day Celebrations



IEI Keala State Centere celebrated 56th Engineers Day on the theme 'Engineering a Resilient Future: Building Stronger, Smarter, Safer'.

Prof. (Dr) M Jayaraju, Chairman, IEI Kerala State Centre in the presence of Er.Roy Mathew, MIE, Honorary Secretary, IEI Kerala State Centre and other Members of IEI garlanded the bust of Sir.M.Visvesvaraya in the premises of IEI Kerala State Centre.

The Celebrations started with a silent prayer. Prof. (Dr) M Jayaraju, Chairman, IEI Kerala State Centre welcomed the gathering and Chief Guest Er. Padmakumar E S, Distinguished Scientist, Director, IISU, ISRO. Er.P.Balakrishnan Nair, FIE, Committee Member, IEI KSC narrated the life sketch of Sir.M.Visvesvaraya. Chief Guest garlanded the portrait of Sir.M.Visvesvaraya. Er. Padmakumar E S delivered the lecture on "Strategies for Interplanetary missions".

Honoured following Past Chairmen of IEI Kerala State Centre during the Engineers' Day.

Er.N.Jayakrishnan Nayar, FIE (1992-1994)

Er.J.Sankara Iyer, FIE (1994-1996)

Er.N.T.Nair, FIE (1996-1998)

Er.K.G.Chandrasekharan, FIE (1998-2000)

Er.P.Vijayachandran, FIE (2000-2002)

Er.N.Jayachandran, FIE (2004-2006)

Er.S.Radhakrishnan, FIE (2010-2012)

Er.S.R.Vijayamohanakumar, FIE (2012-2014)

Er.V.Vijayakumar, FIE (2014-2016)

Er.N.Rajkumar, FIE (2016-2018)

Er.K.K.Gopalakrishnan Nair, FIE (2018-2021)

Honoured following Past Honorary Secretaries of IEI Kerala State Centre during the Engineers' Day.

Er.R.Purushothaman Nair, FIE (2000-2002)

Er.S.Kumar, FIE (2006-2008)

Er.K.Sarat Kumar, MIE (2014-2016)

Er.Udaya Kumar K.S, FIE (2016-2018)

Honoured following Past Elected Council Members of IEI Kerala State Centre during the Engineers' Day.

Er.V.Vimal Prakash, MIE (2009-2013)

Er.Roy Mathew, MIE, Honorary Secretary, IEI Kerala State Centre proposed the vote of thanks. The celebration concluded with National Anthem.





10-09-2023: One Day Seminar on ‘Creating Hope Through Action’

The Institution of Engineers (India) Kerala State Centre under the aegis of Interdisciplinary Coordination Committee jointly with Sanjeevani, Thiruvananthapuram organised a one day seminar on ‘Creating Hope Through Action’ in connection with World Suicidal Prevention Day.

World Suicide Prevention Day (WSPD) was established in 2003 by the International Association for Suicide Prevention in conjunction with the World Health Organization (WHO). The 10th of September each year focuses attention on the issue, reduces stigma and raises awareness among organizations, government, and the public, giving a singular message that suicide can be prevented.

“Creating hope through action” is the triennial theme for the World Suicide Prevention Day from 2021 - 2023. This theme is a reminder that there is an alternative to suicide and aims to inspire confidence and light in all of us.

The seminar started with a Silent Prayer. Er.Roy Mathew, MIE, Honorary Secretary, IEI, KSC welcomed the gathering. Prof (Dr.) M.Jayaraju, FIE, Chairman, IEI KSC inaugurated the seminar by lighting the lamp and delivered the inaugural address.

Dr. Vanidevi P.T., Former Counsellor, Family Court delivered the Keynote Address.

Ms. Sosamma Punnen, Secretary, Sanjeevani presented the Report & Activities.

Dr. Mohan Roy RMO, Medical College, Thiruvananthapuram felicitated the function.

In Forenoon there was one technical Session, Skit and Music were held.

In Technical Session-1, Dr. Jayakumar G., Former Principal, MG College, Thiruvananthapuram delivered the lecture the topic ‘Suicide as an issue and need for intervention’

A Skit was performed by the Volunteers of Sanjeevani.

A Music programme performed by Er. Raveendran.

Afternoon there was two invited lectures and one presentation.

In the Technical Session-II Mr. John Punnen, Jt. Director (Rtd), Intelligence Bureau delivered the lecture on the topic ‘Drug addiction as a catalyst for suicide’

In the Technical session-III Dr. M.D.Ajithabai, Former Principal, N.S.S.College for Women, Karamana delivered lecture on the topic ‘Family problems and suicide’.

A Skit was performed by the Students of MG College

In Technical Session-IV Er. Matius Vengal, Former Consultant, State Planning Board presented the lecture on the topic 'Avoiding stress depression, and empty nest during old age : Lets work on it'.

A Panel Discussion on the topic 'How can we contribute to suicide prevention' was held. The Panel Members were Panikar Jacob, Mr. Abraham, Dr. Emilia Abraham, Mr. Mathew Varghese, Dr. Geetha, Mrs. Annie Samuel, Dr. Rajendra babu and Mr.Pavithran

In the Concluding session the vote of thanks proposed by Er. Udayakumar K.S, FIE, Convenor, One Day All India Seminar, Interdisciplinary Co-ordination Committee, IEI.

The seminar concluded with National Anthem.

After the seminar volunteers distributed pamphlet on suicide prevention in the Museum Premises, near by area of Visvesvaraya Bhavan, IEI Kerala State Centre.



12-09-2023: One Day Seminar on 'Remote Sensing & GIS Application in Flood Risk Management'

The Institution of Engineers (India) Kerala State Centre conducted a One day Seminar on 'Remote Sensing & GIS Application in Flood Risk Management' under the aegis of Civil Engineering Division Board of IEI jointly with Department of Civil Engineering, St.Thomas Institute for Science & Technology, Kattaikonam, Thiruvananthapuram. The venue of seminar is St Thomas Institute for Science and Technology, Kattaikonam,Thiruvananthapuram.

The seminar started with a silent prayer by the students.

Dr. A G Mathew, Principal, St. Thomas Institute for Science & Technology, Trivandrum welcomed the participants and

delivered the welcome address.

Er. P. Balakrishnan Nair, FIE, Member, IEI, KSC introduced the theme of the seminar.

Dr. (Prof.) M. Jayaraju, FIE, Chairman, IEI KSC delivered the presidential address.

Dr. (Prof.) K P Sudheer, Executive Vice President, KSCSTE, Trivandrum inaugurated the seminar by lighting the lamp and delivered the Inaugural Address.

Keynote Address delivered by Dr. K. Soman, Former Head, Resources Analysis Division, Centre for Earth Science Studies

In Technical Session-I Mr. Rahul Raj, Assistant Flood Modeller, Atkins, Bangalore presented the topic on 'Study of pluvial flooding in Trivandrum city under changing climate conditions'.

In Technical Session-II Dr. (Prof.) K P Sudheer, FIE, Executive Vice President, Kerala State Council for Science, Technology and Environment delivered lecture on the topic 'Disaster Risk Assessment and Mitigation supported by GIS,

In Technical Session-III Dr. K. Soman, Former Head, Resources Analysis Division, Center for Earth Science Studies delivered the lecture on the topic 'Remote Sensing and GIS application in preparation of flood zonation maps for risk management'.

In Technical Session-IV Er. Kurian George, Rtd. Executive Engineer, KSEB Ltd. Delivered the lecture on the topic 'Save Kuttanadu from massive floods and provide fresh water for drinking and irrigation purposes'.

In Technical Session-V Dr. N R Chips, Scientist, Centre for Environment and Development, Trivandrum delivered the lecture on the topic 'Navigating Floods : Mapping and Assessing Hazards'.

In the Valedictory Session Dr. V. Ganeshan, FIE, Director, CERCON IEI, KSC welcomed the gathering. About the Event was briefed by Er. Raam Krishnan Vinodh Babu Shylaja, MIE Member, Civil Engineering Division Board, IEI.

Summation of Seminar Proceedings was done by Er. Balakrishnan Nair P, FIE, IEI, KSC. Chief Guest Shri. Cherian Varghese, Treasurer, Mar Thoma Church Educational Society, Trivandrum delivered the special address.

Distributed Certificates to the participants.

Er. Roy Mathew, MIE, Honorary Secretary, IEI, KSC proposed the Vote of Thanks.

The seminar concluded with National Anthem.





30-09-2023 The 14th IEI Kerala State Centre Committee Meeting held at Trichur hosted by IEI Trichur Local Centre.

The 14th IEI Kerala State Centre Committee Meeting held at Trichur hosted by IEI Trichur Local Centre. The Institution of Engineers (India) Trichur Local Centre Honoured following committee members of the session 2021-2023 present in the meeting by donning ponnada.

- Prof (Dr) M Jayaraju FIE**, Chairman
- Er Roy Mathew MIE**, Honorary Secretary
- Er K K Gopalakrishnan Nair FIE**, Immediate Past Chairman
- Dr G Madhu FIE**, Council Member - Kerala
- Er P A Salahudeen, FIE**, Chairman, Kochi Local Centre
- Er Surendranathan K, FIE**, Chairman, Kozhikode Local Centre
- Er Madhana Mohan K, FIE**, Chairman, Palghat Local Centre
- Dr (Ms) May Mathew FIE**, Architectural Engineering
- Er Raam Krishnan Vinodh Babu Shylaja MIE**, Civil Engineering
- Er Abdu E A FIE**, Civil Engineering
- Er K R Suresh Kumar MIE**, Electrical Engineering
- Er T P Raveendran FIE**, Electronics & Telecommunication Engineering

Er T Sreepakash FIE, Electronics & Telecommunication Engineering

Dr Bipinbal P K MIE, Metallurgical & Materials Engineering

Er P Balakrishnan Nair FIE, Mechanical Engineering

Er Santhosh Kumar K AMIE, Mechanical Engineering

Er Jagadeesa Chandra Pisharady S K, FIE, Aerospace Engineering

Er Sreekumaran Nair P, FIE, Environmental Engineering

Er Sarat Kumar K, MIE, Editor, Voice of Kerala Engineers, Newsletter.

During the occasion **Er T R Krishnan, FIE** (2005-2009), Past Council Member elected from IEI Kerala State Centre was honoured by The Institution of Engineers (India) Kerala State Centre.





Election Notice

Election from Architectural, Chemical and Electrical Engineering Divisions to the Committee of Kerala State Centre of the Institution of Engineers (India) for the sessions 2023-2024 & 2024-2025.

Bio-data of Contestants

Architecture Engineering

1.Er. Binu S B-Tech (Arch), MIE,CE,FIV,FIITarb

Mob: 09447389430, E-mail: archway56@gmail.com

Seeking assignments, in relation to buildings, architecture with planning, designing and constructing form, space and ambience that reflect functional, technical, social environmental and aesthetic considerations.

Academia

Bachelors of Technology (B-Tech) -National Institution of Technology (NIT) Calicut.

The Institution of Engineers (India)-MIE

The Institution of Engineers (India)- Chartered Engineer Reg No.M-136117-6

FIV Fellow in Institution of valuers F-19113

Indian Institution of Technical Arbitration F-0623

Registration with CBDT under wealth Tax Act 1957 Reg No.1-8/AC/CC-TVM/2021 16.03.2022 (under Section 34AB Wealth Tax Act 1957)

PERSONAL VITAE

| | | |
|----------------|---|---|
| Name | : | Binu S |
| Fathers's Name | : | E.Shanmugham |
| Date of Birth | : | 05-02-1962 |
| Address | : | Binu S TC9/2760(11) "Kalyani" Thampuram Nagar, Edappazhanji, Sasthamangalam, P.O, Trivandrum-695010 |
| Phone | : | 09447389430 |
| E-mail | : | archway56@gmail.com |

Place: Trivandrum

Date: 01/09/2023

2. Er. May Mathew

Profession: Civil Engineer, Town and Country Planner & Social Scientist with specialization in Sustainable Cities

Present Position : Founder Trustee and Chief Planner, Centre for Environmental Efficiency (www.centreforeenvironmentalefficiency.org)

Total Experience : 36 years

Address for Communication: 5 A, Skyline Amity Park, Edappally, Cochin-682024

Tel: 0091 484 2535094

Mob: 0091 0447957102

Email: maykatticaran2@gmail.com

Key qualifications

B.Sc Engg (Civil), University of Kerala 1979-1984 passed out with first class and Distinction.

Master of Planning in Urban and Regional Planning, School of Planning and Architecture, N.Delhi 1986-88.

Post Graduate Diploma in Geo informatics and Remote Sensing From Centre for Environment and Development, Kochi-2005.

Ph.D in Social Science from the School of Management Studies, Cochin University of Science and Technology on the Topic 'Environmentally-Efficient Development Management system For Greater Kochi in Kerala State'

Postgraduate Diploma in 'Green Cities for Eco-efficiency' from IHSRotterdam, Erasmus University, The Netherlands.

Membership of Professional Societies

Fellow, Institute of Town Planners India

Fellow, Institution of Engineers (India) Architectural Engineering Stream

Fellow, Indian Institute of Technical Arbitrators.

Employment Record

From 5/18 onwards – Founder Trustee and Chief Planner, Centre for Environmental Efficiency

2016 to 4/18 – Senior Town Planner, Greater Cochin Development Authority, Kochi-682020

2002-2016 – Town Planner, Greater Cochin Development Authority, Cochin-682020

1999-2002 – Deputy Town Planner, Greater Cochin Development Authority, Cochin-682020

1998-1999 – Deputy Town Planner, Office of the Chief Town Planner, Thiruvananthapuram.

1988-1998 – Junior Engineer, Military Engineer Services, Govt of India.

Few Research Papers Published/Technical Presentations Made

Urban October Talk, 'New Ways by Bridging the Gaps: Global to Local Tantras for a Prosperous World' hosted online by NIT Calicut on 29th October 2022.

'New-normalisation: India to become a role model country-strengths and strategies', Online talk delivered on 28th July 2022 for IMPRI and National Institute of disaster Management (NIDM) platform.

'K'rail project: Through the eyes of a spatial planner' presentation made online at the Institution of Engineers India Kochi Local Centre on 3rd Feb 2022.

Online presentation given to Regional Planning Dept. SPA New Delhi on 8th Dec 2021 'An innovative approach for regional planning: Greater Kochi Regional in the State of Kerala'.

Including Objectively in the Spatial Planning Process; Theory of Environmental Efficiency, custom to Law' Talk conducted on 2nd Feb 2021 for the Institution of Town Planners (India) Kerala Regional Chapter.

TEDx presentation made on 25th January 2017 at TED Choice School, Cochin, Kerala on the topic 'Environmental Management Systems for the warming world'.

'Towards a smarter India through EE & CC based Development Management of Cities and Metropolitan Regions' at Smart Cities in India Conference, Oct 26-27, 2016, New Delhi.

Technical paper " Nine stiches to save many Policies and Projects suitable for Kerala and Greater Kochi at Keralite Engineers Forum technical seminar at Doha, Qatar on November 17 2012

Technical paper "Two strong sustainability indicators Environmental Efficiency (EE) and Carrying Capacity (CC) published at the Global Summit London 2012, Aug 16-17 2012

Technical paper "Towards a prosperous India Through EE and CC Based Development planning and Management at Cities and Metropolitan Regions" presented at Indian Engineering Congress 2011, 15-18 December 2011 which was held at Palace Ground,

Bangalore

Technical presentation made on the topic 'Cities and Climate Change' on 5th October 2011 at the Institution of Engineers, Kerala State Centre Conference hall in connection with World Habitat Day Celebrations.

Environmentally efficient Development Management System for Greater Kochi Remote 'Sensing and GIS capabilities paper presented at the Institution of Engineers, Kochi Local Centre Conference Hall on 22nd June 2011.

'An Approach paper Towards Legislative Imperatives for A Sustainable Kerala' paper presented At the 55th National Town and Country Planners Congress in January 2007

'Towards More Liveable Cities Through Smart Growth Initiatives' paper presented at the 21st National Convention of Civil Engineers of Institution of Engineers India at Kochi on 1st October 2005

'Urban Indicators pilot Study on Thrissur and Kunnankulam in Kerala State' paper presented at India Habitat Centre, N.Delhi in the Seminar Conducted By Town and Country Planning Organisation, N.Delhi on 4th July 2003.

'Rain Water Harvesting for Sustainable Urban Development' paper presented at the seminar jointly conducted by Institution of Engineers (India) Cochin Local Centre and Water Management Forum Ahmedabad at IEI Cochin Conference Hall on 30th Dec 2022.

'Rain water harvesting, shall it be a mandatory Building Requirement?' Paper presented at the Seminar on NBC Revision which was being conducted by IEI Cochin Local Centre on 27th October 2022.

'Strategies for a sustainable development of Kochi City' presentation made at the Development Seminar Conducted by Corporation of Cochin in July 2022.

Articles published

'Achieving Compact and High Density Development' property Plus, The Hindu dated 1st Oct 2005.

Device Ways for sustainable development', City express Hale Kochi Campaign, New Indian Express dtd 11th August 2003.

Book Published.

Environmental Efficiency and Carrying Capacity Indicators For Development Management towards sustainability: Global to Local LAP LAMBERT Academic Publishing Co.

Chemical Engineering

1. Dr M.P.Sukumaran Nair FIE

General & recent assignments

Chemical Engineer and Corporate Manager with extensive technical and management experience in the industry and Governments for over four decades. Currently Director, Centre for Green Technology & Management, Cochin and President of the Thrikkakara Municipal Co-operative Hospital Society, Cochin, Kerala.

Positions held

Chairman, Public Sector Restructuring and Audit Board (RIAB, apex body overseeing the working of 42 public sector industries), Government of Kerala.

Chairman, Kerala Minerals and Metals Ltd., (KMML, www.kmml.com)

Chairman & Managing Director of Travancore Titanium Products Ltd. (TTPL www.travancoretitanium.com)

Both are India's public sector Titanium processing industries owned by the Government of Kerala)

Special Secretary to Chief Minister, Government of Kerala looking after development projects and program implementation.

Managing Director of Chlor-Alkali major Travancore Cochin Chemicals (TCC) Ltd, Cochin, India (www.tcckerala.com)

Chief of Production and Corporate Planning at Fertilizers And Chemicals Travancore (FACT) and its consultancy wing FACT Engineering & Design Organization (FEDO) Ltd.

Director, Kerala Financial Corporation (KFC) and Kerala Institute for Labour and Administration (KILA)

Independent Director at Central Railside Warehouse Company (CRWC, Govt of India) Ltd Managing Director, Cybene Consultants P Ltd, Cochin, Kerala.

Education

BS degree in Chemistry and B.Tech Chemical Engineering, Postgraduate degree in Ecology and Environment, MBA (Marketing) and Doctorate (PhD) in Environment Management.

Specialization & Consultancy

State-level policy planning for industrial development and Corporate management of major industrial units.

Project evaluation, Market studies, Sustainability studies, Project economics, Development of DRPs and techno-economic feasibility studies, Energy/water/environment management,

Pilot plant scale-up and facilities planning for major industrial units,

Engineering design, standardization and consultancy management,

Turnaround strategies, retrofits, revamps for industrial units,

Decarbonization, Connected facilities, Process plant environment, health and safety management studies

Technology selection, development, and technical services to chemical processing units.

Faculty: To various industry fora and academic institutions on Corporate Management, Technology development, review and selection, Oil and Gas, Digitization and Industry 4.0, Sustainability, Green Chemistry, decarbonization, Hydrogen economy, Process plant Environment, Safety and Risk Management.

Association with Professional bodies

Actively involved in the Institution of Engineers (India) at the national level for four decades as Council Member, Chairman of various for a and senior level Committees of the Institution, Member IEI Draft Committee on 'Engineers' Bil'.

Also associated with various Professional bodies, Industry associations, scientific societies and serves several expert advisory committee to the Central and State Governments in India.

Fellow of the Institution of Engineers (India), Member of the American Institute of Chemical Engineers (AIChE) and the European Federation of Chemical Engineers (EFCE), National Safety Council & All India Management Association (AIMA).

International studies

Reviewer/contributing author of

ASM International

UNEP Millennium Ecosystem Assessment reports and

UNEP's 2017 Global Environmental Outlook (GEO 6 & GEO 7)

IPCC AR 6 Reports, UNEP

Awards

CISCO Sustainability Leadership Award (2015)

Outstanding Chemical Engineer award of IICChemE (2008)

Distinguished Alumnus of the Institution of Engineers (India) (2010)

Listed in the Marquis' Who's Who in the World.

Speaking assignments

Invited Chair/Speaker to major international conference of

The Gulf Petro Chemical Association (GPCA)-Dubai

Argus FMB International – London, UK

International Titanium Association-USA

Arab Fertilizer Association-Cairo, Egypt

CREON Energy, Moscow, Russia

British Publishing House-London, UK

CRU international-London, UK

International Fertilizer Development Centre-USA,

Gulf Publishing Company-USA,

National Association of Corrosion Engineers (NACE) International India Section-Mumbai, India

Kolkata University, Kolkata, India

World Federation of Engineering Organisations-Pars, France

Institution of Engineers (India), Kolkata, India

The Fertilizer Institute, Washington-USA,

Indian Institute of Technology-Kanpur, India
 European Federation of Chemical Engineers-Czechoslovakia and
 Copenhagen Business School, Copenhagen, Denmark

Publications

Contributed over 140 papers/articles to international journals such as
 Hydrocarbon Processing, Houston, US,
 Fertilizer International-CRU, London,
 Nitrogen & Methanol, British Sulphur, London,
 Chemical Engineering-US,
 Chemical Processing, US,
 Chemical Industry Digest, Mumbai, India
 Chemical Weekly, Mumbai, India
 Hydrocarbon Asia, Singapore,
 Oil & Gas India-National Convention, Mumbai, India
 Chemical Weekly, Mumbai and Chemical Engineering World, Mumbai.
 H2Tech, Houston, US
 Indian Management, All India Management Association, New Delhi.

2. Er. Venugopal S

PERSONAL DETAILS

Name : VENUGOPAL S
 Address : Keerthanam, T.C 17/595(4), Pathirappally Road, Poojappura,
 Trivandrum – 695012, Kerala
 Contact Number : 0471-2341749 / 0471-340410 / 09495155869
 Email : venugopalhll@gmail.com
 Languages Known: Malayalam, English, Hindi and Tamil

ACADEMIC DETAILS

| SI No. | Qualification | University | Year | Subject | % Achived |
|--------|---|---------------------------|------|----------------------|---|
| | Bachelor of technology (B Tech) | University of Kerala | 1992 | Chemical Engineering | 73 % |
| | Master of Business Administration (MBA) | University of Kerala | 1994 | Operations & HR | 74 % |
| | Part time Research fellow | IMK, University of Kerala | 2015 | Quality Management | Currently pursuing PHD under the guidance of Dr.K.S.Chandrasehar Head IMK |

AWARDS & RECOGNITIONS

Received Honorary Doctorate (Honoris Causa) in the specialized areas of Training and Management from Common wealth vocational University ,kingdom of Tonga during June 2020

Received National Award 1ST IN THE CATEGORY OF BEST TRAINER from National Rubber Skill Development council New Delhi for the year 2019(initiative of Hon Prime minister(PMKVY Scheme)) on 21/11/2019

Received National Award as BEST PROFESSIONAL TRAINER IN MANAGEMENT & SKILL DEVELOPMENT from EDUCATION COUNCIL OF INDIA New Delhi on 11/01/2020

Received Best International Global Trainer Award of the year 2020 from M/s Eudoxia Research centre Gauhati during Feb 2020

Received Life time achievement Indian Glory Award for the contribution in Management training during 2021

Received Global Teaching Excellence awards 2021 for the innovative CSR model in teaching Management subjects

Received the best Presentation award during June 2021 for the paper titled Problem solving in Quality Management using 8D techniques presented on RAMAS 2021

Received Six Sigma Quality Award from Quality Council of India during April 2014.

Participated in 'Productivity Contest 2011 on Reduction in Wastages & Reduction in Copper T Moulding Operations conducted by Indian Institute of Industrial Engineering, Kerala Chapter in 2011and received 3rd Prize conducted by Indian Institute of Industrial Engineering Kerala Chapter during 2011

ORGANIZATIONAL EXPERIENCE(28 years experience)

Presently working as GENERAL MANAGER [Quality Assurance, Safety & Environment) in HLL LIFECARE LIMITE (Govt of India Enterprises) , PEROORKADA FACTORY, TRIVANDRUM heading QA, QC functions for the production of male & female contraceptive condoms and Safety & Environment functions and experience in various functions such as production, Testing, Management Representative in various units of HLL (25 years' experience in HLL), Currently technical manager of HLL at Peroorkada a factory for NABL standard as per the ISO 17025.

Hands-on experience in product testing & handling QA activities in Hospital Product Manufacturing Unit of HLL at Akkulam Trivandrum manufacture Blood Bags, CopperT, Surgical Sutures, Tubal Ring and MR functions.

3 years' experience in M/s.APPOLO TYRES LTD' as 'SENIOR OFFICER' in the production division in the Bias Tyre Manufacturing plant at Perambra, Chalakkudy, Trichur Dt. Kerala.

OTHER QUALIFICATIONS

Technical assessor of NABL on Mechanical testing of rubber products

Certified Quality System internal auditor on NABL (ISO 17025:2017) laboratory management system

Certified Quality system internal auditor on ISO 4500102018,SA8000

Certified Quality System Six Sigma Black belt from Confederation of Indian Industries (CII). Six Sigma Black Belt Professional with demonstrated experience in the practical implementation and on-going success six sigma methodologies.

Certified Chartered Engineer in Chemical Engineering stream from Institution of Engineers All India Chapter.

Certified Lead Auditor on ISO 9001-2015 Quality Management Systems.

Technical Member of Board of studies in Kerala Technological University for Chemical Engineering & bio chemical Engineering stream as industry expert.

Certified Lead Auditor on ISO14001:2015 Environment Management Systems.

Certified accessor and trainer of Rubber Skill Development Centre for rubber related training council

Certified accessor on India Manufacturing Excellence Award of M/s.Frost & Sullivan – UK

Certified Assessor for CII Business excellence model

MAJOR PROFESSIONAL ACHIEVEMENTS / CONTRIBUTIONS

Implemented several environmental initiatives and innovations including development of green protocol in residents association level & industrial level and contributed for the expansion/modification of effluent treatment plant as part of implementation of zero liquid discharge systems in HLL.

Implemented various TQM Concepts and Six Sigma projects and lean concepts approach across approach and quality improvement team across HLL

Approved assessor & coordinator of Rubber skill Development Centre (RSDC) for conducting rubber skill development programs and certification courses of HLL Management Academy in conducting Recognition Prior Learning(RPL) course covering 1000 employees of HLL (Group 1 & 2)

Expertise in managing the production operations on day-to-day basis, conducting working study and ensuring proper yields & quality of product.

A keen planner with proficiency in enhancing the production process operations, quality process, optimizing resource utilization, escalating productivity and operational efficiencies.

Significant exposure in installation, commissioning & validation of Condom Manufacturing Plants (Richter Hi Tech Malaysia Technology and Okamoto technology – Japan)

Excellent analytical, troubleshooting and interpersonal skills with proven ability in driving numerous quality enhancement, process improvement and cost savings initiatives during the career span.

Core Competencies

Functioned as internal Faculty/Trainer for the Employees & Executive of the company in all the units including various areas of Good Manufacturing Practices covering 50 batches of Employees/Executive such as:

RPL training for the employees of HLL in 5 batches (conducted by RSIDC)

Total Quality Management – covered 20 batches.

Six Sigma, Statistical Process Control & 7 QC Tools

Lean Manufacturing, Manufacturing Excellence

Business Excellence Models

Zero Defects, Kaizen and Poke Yoke

Environment Management Systems

Rubber Technology

Effluent Treatment systems including ZLD systems.

Faculty Member of University of Kerala for MBA programme since 2015 in operation and HR streams.

Conducting validation, stability studies, quality audits, technical training, Skill Development programs and facility up gradation to meet the requirements of regulated market; organizing continuous audits to ensure compliance and sound functioning of the process.

Highly expertise in dealing with various statutory bodies and skill development centres.

Reviewing SOP's/technical specifications/batch manufacturing record/validation protocols, validation protocols, validation reports and other quality documents/change-control procedures for SOP'S.

Testing of raw materials, packing materials, in process materials, and finished goods; handling the investigation of our of specification results, market complaints, etc.

Developing methods and validating analytical systems i.e. rigorous testing of the methods to ensure that they are precise, accurate, reproducible, "fool-proof" & specific to the product, etc.

Imparting training to executives on instruments, process, analytical methods and safety measures

Coordinator and Organising training on GMP, Batch Manufacturing Process, Rubber Technology, Six Sigma, Statistical Process Control, Lean Manufacturing, 5S Safety system, Environmental Excellence etc.

MEMBERSHIPS

Served as:

Fellow Member of Institution of Engineers India Ltd.

Council Member in the State Committee of Life member of Institution of Engineers in Chemical Engineering division for the year 2022-2024.

Chartered Chemical Engineer from M/s Institution of Engineers India Ltd and conducted consultancy projects.

Honorary Secretary of Indian Society for Training and Development (ISTD), Trivandrum Chapter and Life Member of ISTD New Delhi associated with Trivandrum Chapter.

Life member of Indian Institute of Industrial Engineering since 2015 and executive committee member of the Trivandrum Chapter

Life Member of Indian Institute of Chemical Engineers (IICHE) & Executive Committee Member of IICHE-Trivandrum Regional Centre and past vice chairman of Vice chairman of Indian Institute of Chemical Engineers Trivandrum regional centre.

Technical committee member in Hazardous Waste Management and Battery Management rules of Kerala State Pollution Control Board as Industry representative from the industries of Kerala

Faculty of Academics Staff College-University of Kerala in the area of Environment & Quality

Technical committee member (Industry nominee) of the Dept of Bio Chemical Engg and Technology, Sree Chitra College of Engineering, Trivandrum since 2018

Stake holder in the Quality Improvement cell at the Dept of Chemical Engineering of, TKM College of Engineering, Kollam since

2019

National/ International Publication Details

Published 15 national level and international publications relating to Management (operations, Quality & Environment) and Environment in various journals.

Electrical Engineering

1. Er.TONY JOSEPH, C.Eng.(I) (AM-141196-1)

Er.Tony Joseph is a Chartered Engineer, Consultant and a Mentor who has made significant contribution to Electrical Engineering. He is graduated from IEI and holds M.Tech in power Electronics from VTU, Karnataka. He is expertise in Electrical System Design for commercial, residential and industrial projects and specifically auditorium, multiplex resorts, academic and religious Institutions projects. As a young entrepreneur, he is the founder of M/s ADVICECUBE Engineers & Consultants and M/s Bella Future Enterprise, dealing with production and distribution of disposable nonwoven items for hospitals/clinics. Er.Tonly Joseph is the Managing Director of Pureosoul Technologies Pvt Ltd, a start-up company in Kerala, that concentrating on Research & Development in IAQ, design and manufacturing of disinfection products by using advanced UVGI and other technologies.

2. Er. Shaji Jacob MIE, C.Eng.(I) (M-155473-5)

Er. Shaji Jacob, IEI graduate, MIE and a Chartered Engineer, completed his AMIE in EE and M.Tech in Electrical Energy System from VTU, Karnataka. In Energy Sector, he worked as Technical Manager, SIEMENS/Dresser-Rand AS, Norway, OPRA Turbines, BV, Netherlands and Dutch Solar System BV, Netherlands. In India, he worked as Consultant-Power System in PRDC Pvt Ltd. Bangalore. In technical education sector-8 years of experience provided training to many AMIE graduates and led them to cherish their ambition to work in core engineering with very high score in GATE. He is the Founder and Managing Director of M/s TICEON-HSE LLP, a startup company working on Health. Safety and Environment and Director of pureosoul Technologies Pvt Ltd. Worked in many engineering colleges in Kerala and finally worked as Associate Professor and Dean, Mangalam College of Engineering, Kottayam.

3. Er. Mohammed Sajin S AMIE, CH ENG

Profile

I am the co-founder and technical director of Arcite Educational Solutions Pvt Ltd., an eminent technical training institute providing job oriented skill training to engineering aspirants. Being the President of Indian Society for Heating and Refrigeration Engineering (ISHRAE) Kollam sub Chapter, I have organised and been part of various state and nation level activities throughout the past years. I am also an affiliate member of CILT, IAENG, and IDA. With 5+ years of teaching career at reputed engineering colleges in Kerala and having finished my MBA in Logistics and Supply Chain management. At present I am aiming at carving a better engineering culture among the young engineers along with the importance of sustainability.

Experience

Co-Founder & Technical director in Arcite Educational Solutions Pvt. Ltd (Skill Training Institution for BTech and Diploma Students)
10 years of teaching & consultancy experience.

Conducting workshops in engineering colleges related to electrical system designing.

Engineer Trainee under 'A Class' Electrical Contractor.

Conducted various prorammes in colleges as staff representative.

Have experience n Lab setting.

Declaration

I hereby declare that the above-furnished information is true to the best of my knowledge.

Education

MBA (Logistics and Supply Chain Management) Bharathiar University.

BTech (Electrical and Electronics Engineering) Kerala University

Skill

Associated Member of Institution of Engineers

Member of Indian Society for Heating and Refrigeration Engineering (ISHRAE)

Member of Confederation of Indian Industry.

Professional Member in IAENG

Secretary of Mesitam Alumni Association.

Personal Profile

Date of birth : 02 October 1991

Sex & Marital status: Male, married

Nationality: Indian

Permanent Address: Saji Dale, UNRA-5, Kavalpura, Eravipuram PO Kollam PIN-691011

Languages known: English, Malayalam, Tamil

Procedure for Electronic Voting

(a) Those Members of Architecture, Chemical and Electrical Engineering Divisions who are reachable by mobile / e-mail will receive a login password.

(b) An eligible voter visiting the Institution website www.ieindia.org will be guided to the election portal. The voter can access the voting page of the relevant election by using log-in ID and password for voting online. A system generated One Time Password shall be sent to the registered Mobile / e-mail for casting of vote electronically. The One time Password shall have a validity of five minutes. Separate One time Password shall be issued for all elections. The vote cast by a voter shall be encrypted and not available to anyone. The details of the voter by his membership number shall be available in the system. The electronic voting details cannot be downloaded and vote cast is encrypted. The bio data of the contestants will be available for voters reference in the portal.

(c) In case a voter misplaces his password or has not received it for any reasons, he can request for computer auto-generated log-in ID and password from the HOME page of the IEI election web site which can be accessed through www.ieindia.org, which shall be sent to his mobile / e-mail.

(d) In case of members residing abroad who have registered their e-mail id, they will be provided the log-in credentials through his e-mail only.

Security:

(a) A voter can log in using his / her password issued to him in his / her registered mobile / e-mail on the starting day of the election. However, while casting the vote, a system generated One Time Password (OTP) shall be sent to his / her registered mobile / e-mail. Voter has to use that password for casting his / her vote. The validity of the OTP shall be for five minutes only or till its first successful use whichever is earlier.

(b) Voting web site shall close at 2400 hours on the date of closing of online voting and no voting on web can be done thereafter.

Election Schedule:

| | |
|-----------------------|-------------------|
| e-voting start date | : 10 October 2023 |
| e-voting closing date | : 24 October 2023 |
| Counting & Result | : 25 October 2023 |

Er.R.Purushothaman Nair, FIE

Convener, BOS,

Election from Divisions to IEI Kerala State Centre Committee -
for the Sessions 2023-2024 and 2024-2025

07-10-2023

NOTICE OF THE SEVENTY SIXTH ANNUAL GENERAL MEETING

Notice is hereby given that the 76th Annual General Meeting of Corporate Members of The Institution of Engineers (India) Kerala State Centre will be held on Tuesday, the 31st October 2023 at 11:00 am at The Institution of Engineers Hall, Visvesvaraya Bhavan, Thiruvananthapuram to transact the business mentioned below. All members are requested to attend.

AGENDA

1. Welcome
2. Confirmation of minutes of the 75th AGM held on 24th October 2022.
3. Approval of the Annual Report for FY 2022-2023.
4. Approval of the Audited Statement of Accounts for FY 2022-2023
5. Appointment of Auditor and to fix their remuneration.
6. Announcement of Election Result
7. Installation of New office Bearers
8. Discussions, if any, permitted by the Chair.

Thiruvananthapuram
01-10-2023

Er.Roy Mathew, MIE
Honorary Secretary

Programme 31st October, 2023

Registration
76th Annual General Meeting
29th Er.S.K.Sundaram Memorial Lecture.

The Institution of Engineers (India) Kerala State Centre

Minutes of 75th AGM of IE(I) Kerala State Centre

Date & Time : 24th October 2022 Monday, 11.00 AM-12.15 PM

Venue : IE(I) Kerala State Centre

The 75th Annual General Meeting was called to order by Prof(Dr) M Jayaraju, FIE Chairman, IEI Kerala State Centre as per the notice dated 01-10-2022.

The meeting started with silent prayer.

1. Welcome

Prof (Dr) M Jayaraju, FIE Chairman welcomed all the Corporate Members.

2. Approval of minutes of 74th Annual General Meeting

Er. Roy Mathew, MIE, Honorary Secretary presented minutes of the last AGM (#74) which was already circulated to Members. The AGM approved the minutes of 74th AGM. It was proposed by Er. V Vimal Prakash, MIE and seconded by Dr.R.Murugesan, FIE.

3. Approval of the Annual Report for FY 2021-22

The Honorary Secretary presented the Annual Report. After brief discussion, the AGM accepted the Annual Report for FY 2021-22. It was proposed by Dr.Sunil Kumar C.P., FIE and seconded by Er.V.Vijayakumar, FIE.

4. Approval of the Audited statement of Accounts for FY 2021-22

The Honorary Secretary presented the audited statement of accounts for FY 2021-21 by the statutory Auditor M/s Ratheesan & Co. It was observed that there are no adverse comments by the auditor. It was proposed by Er.Gopakumar B, MIE and seconded by Er.N.Jayachandran, FIE.

5. Appointment of Auditor and remunerations

The Honorary Secretary informed that M/s Ratheesan & Co, Thiruvananthapuram have agreed to be the statutory auditor for FY 2022-23 and has requested for increase of fees of 10% and 15% respectively for auditing the accounts of Kerala State Centre and for consolidation of all Centres from that paid for FY 2021-22.

After discussions and also taking into account the recommendations of the Finance Committee, the AGM approved the following: Appointment of M/s Ratheesan & Co, Thiruvananthapuram as the statutory auditor for IE(I) Kerala State Centre for FY 2022-23.

The fees to be paid are approved as given below:-

State Centre audit : Rs 46,200/- (5% increase from FY 20-21)

Consolidation : Rs.34,788/- (10% increase from FY 20-21)

VoKE Audit : Rs 9,000/- (No change)

The decisions were proposed by Er. R. Murukesan, FIE and seconded by Er. R. Satheesh, FIE.

6. Election of vacant post of the Chairman conducted for the sessions 2021-2022 (remaining session) & 2022-23.

Reported about the election of Prof (Dr) M Jayaraju, FIE as Chairman for the sessions 2021-2022 (remaining session) & 2022-23.

AGM Noted.

7. Resolutions received

No resolutions received.

8. Discussions if any

Some members enquired about the status of naming of the road in front of IEI Kerala State Centre (Museum – Vellayambalam Road) as Sir.M.Visvesvaraya Road.

9. Vote of thanks

Er. Roy Mathew, MIE, Honorary Secretary expressed the vote of thanks. He thanked all corporate members for their cooperation and active involvement in the affairs of the State Centre.

The AGM was concluded at 12.15 PM.

Prepared by

Er. Roy Mathew, MIE

Honorary Secretary

Approved by

Prof (Dr) M Jayaraju, FIE

Chairman

Annual Report for the period April 1, 2022 - March 31, 2023 Presented in the 76th Annual General Meeting

The Chairman and Members of the Committee of The Institution of Engineers (India) Kerala State Centre have pleasure to present the Annual Report for the period April 1, 2022 - March 31, 2023 at the Seventy-Sixth Annual General Meeting of IEI KSC on this day the 31st October 2023.

Governance

Er.Asok Kumar K, FIE and Er.Roy Mathew MIE continued as Chairman and Honorary Secretary respectively along with the present Committee with following Corporate Members who also continued as Members representing Engineering Divisions indicated against their names for the session 2021-2023 after the 74rd Annual General meeting held on 29th October 2021.

Following are the State Centre Committee members elected for the session 2021-2023.

| Sl No | Name | Position | Membership No | Division |
|-------|--------------------------------|-----------------------------------|---------------|----------|
| 1 | Er Asok Kumar K FIE | Chairman | F-1110256 | AS |
| 2 | Er Roy Mathew MIE | Honorary Secretary | M-1443385 | AG |
| 3 | Er K K Gopalakrishnan Nair FIE | Immediate Past Chairman | F-0144262 | EL |
| 4 | Er Asok Kumar K FIE | Immediate Past Honorary Secretary | F-1110256 | AS |

| | | | | |
|----|--|--|-----------|----|
| 5 | Er V Vijayachandran Nair MIE | Council Member - Kerala | M-1473543 | MC |
| 6 | Er Udaya Kumar K S MIE | Agricultural Engineering Division | M-1426561 | AG |
| 7 | Dr (Ms) May Mathew FIE | Architectural Engineering Division | F-1171980 | AR |
| 8 | Dr G Madhu FIE | Chemical Engineering Division | F-0164166 | CH |
| 9 | Dr P Sojan Lal FIE | Computer Engineering Division | F-0166576 | CP |
| 10 | Er Raam Krishnan Vinodh Babu Shylaja MIE | Civil Engineering Division | M-1711827 | CV |
| 11 | Er Abdu E A FIE | Civil Engineering Division | F-1165794 | CV |
| 12 | Dr Anil Joseph MIE | Civil Engineering Division | M-1388600 | CV |
| 13 | Er K R Suresh Kumar MIE | Electrical Engineering Division | M-1218640 | EL |
| 14 | Prof (Dr) M Jayaraju FIE | Electrical Engineering Division | F-1156914 | EL |
| 15 | Er T P Raveendran FIE | Electronics & Telecommunication Engineering Division | F-1223573 | ET |
| 16 | Er T Sreepakash FIE | Electronics & Telecommunication Engineering Division | F-1160504 | ET |
| 17 | Dr Bipinbal P K MIE | Metallurgical & Materials Engineering Division | M-1524210 | MM |
| 18 | Er P Balakrishnan Nair FIE | Mechanical Engineering Division | F-0170765 | MC |
| 19 | Er Santhosh Kumar K AMIE | Mechanical Engineering Division | AM1689048 | MC |
| 20 | Er.P.A.Salahudeen, FIE | Chairman, Kochi Local Centre | F-1199295 | MC |
| 21 | Er.K.Rajan, FIE | Chairman, Kollam Local Centre | F-1266264 | EL |
| 22 | Er.Surendranathan K, FIE | Chairman, Kozhikode Local Centre | F-1091745 | MR |
| 23 | Er.Madhana Mohan K, FIE | Chairman, Palghat Local Centre | F-1216224 | EL |
| 24 | Prof.(Dr) C.P.Sunilkumar, FIE | Chairman, Trichur Local Centre | F-1205699 | MC |
| 25 | Dr V Ganesan FIE | Director, CERCON | F-1081981 | MC |
| 26 | Er.Sarat Kumar K, MIE | Editor, VoKE | M-1104365 | CV |
| 27 | Er. Jagadeesa Chandra Pisharady S K, FIE | Aerospace Engineering Division | F-1153176 | AS |
| 28 | Er. Sreekumaran Nair P, FIE | Environmental Engineering Division | F-0160255 | EN |
| 29 | Dr.Koombel Antony Simon, FIE | Marine Engineering Division | F-1072699 | MR |
| 30 | Er. Chandra Sekar V., MIE | Mining Engineering Division | M-1432588 | MN |
| 31 | Er.Ganapathy Natarajan, FIE | Production Engineering Division | F-0152945 | PR |
| 32 | Er.Jayakrishnan M S, AMIE | Textile Engineering Division | AM1569050 | TX |
| 33 | Dr V Radhakrishnan, FIE | Outstanding Engineering Personality | F-0079738 | PR |
| 34 | Prof S Radhakrishnan, FIE | Outstanding Engineering Personality | F-1078131 | MC |

Sub Committees for the Sessions 2021-2023

1. Finance

1. Er.Asok Kumar K, FIE
2. Er.N.Rajkumar, FIE
3. Er.Udaya Kumar K.S, MIE
4. Er.R.Purushothaman Nair, FIE
5. Er.Sarat Kumar K, MIE
6. Er.K.R.Suresh Kumar K, MIE
7. Er.Roy Mathew, MIE

2. Editorial Board

1. Er.Sarat Kumar K, MIE, Editor VoKE
2. Er.Balakrishnan Nair P, FIE
3. Er.K.R.Suresh Kumar, MIE
4. Er.Asok Kumar K, FIE
5. Er.Roy Mathew, MIE

3. CERCON

1. Er.N.Rajkumar, FIE
2. Dr.V.Ganesan, Director, CERCON
3. Er.Asok Kumar K, FIE
4. Er.P.Balakrishnan Nair, FIE
5. Dr.R.Hari Kumar, AMIE
6. Er.Udaya Kumar K S, MIE
7. Er.Sarat Kumar K, MIE
8. Er.Rini Rani, MIE
9. Er. Raam Krishnan Vinodh Babu Shylaja, MIE
10. Prof (Dr) M.Jayaraju, FIE
11. Er.Roy Mathew, MIE

4. Membership & Student/Technician Chapter

1. Prof (Dr) M Jayaraju, FIE
2. Dr.Surendran Jose, FIE
3. Dr.S.Narayanan, FIE
4. Er.Vimal Prakash V, MIE
5. Dr.Anil Joseph, MIE

6. Er. Jagadeesa Chandra Pisharady S K, FIE
7. Er.K.R.Suresh Kumar, MIE
8. Er. Raam Krishnan Vinodh Babu Shylaja, MIE
9. Er.Asok Kumar K, FIE
10. Er.Roy Mathew, MIE

5. Library, Seminar & Liaison with other Professional Bodies

1. Er.S.Radhakrishnan, FIE
2. Er.Koruthu P.Varughese, FIE
3. Dr.S.Narayanan, FIE
4. Er. Jagadeesa Chandra Pisharady S K, FIE
5. Dr. May Mathew, FIE
6. Dr.Hajilal, M.S., FIE
7. Er.Asok Kumar K, FIE
8. Er.Roy Mathew, MIE

6. Land & Building

1. Er.Sreekumaran Nair P, FIE
2. Er.Prabhakaran P.A., FIE
3. Er.N.Rajkumar, FIE
4. Er.S.Radhakrishnan, FIE
5. Er.Sarat Kumar K, MIE
6. Er.Abdu E. A., FIE
7. Er.K.R.Suresh Kumar, MIE
8. Er.Asok Kumar K, FIE
9. Er.Roy Mathew, MIE

7. Young Engineers Forum

1. Er. Raam Krishnan Vinodh Babu Shylaja, MIE
2. Er.Srijith S. Donthi, AMIE
3. Er.Santhosh Kumar K., AMIE
4. Er.Asok Kumar K., FIE
5. Er.Roy Mathew, MIE

Election of vacant post of the Chairman conducted for the sessions 2021-2022 (remaining session) & 2022-23.

Er.Asok Kumar K, FIE resigned from the post of Chairman. Prof (Dr) M Jayaraju, FIE elected as Chairman for remaining term. However the Committee Members remains same.

Reported about the election of Prof (Dr) M Jayaraju, FIE as Chairman for the sessions 2021-2022 (remaining session) & 2022-23. AGM Noted.

2. 75th Annual General Meeting

75th Annual General Meeting of The Institution of Engineers (India), Kerala State Centre was held on 24-10-2022.

Prof. Dr. M.Jayaraju, FIE, Chairman welcomed the members and delivered the presidential address. Er. Roy Mathew, MIE, Honorary Secretary presented the minutes of the 74th AGM held on 29th October 2021. The minutes was passed and confirmed. Subsequently the Annual Report for the year 2020-21 and Audited Accounts for the year 2020-21 were passed by AGM. Auditor for the FY 2021-22 was appointed and remuneration fixed.

3. Meetings of the State Centre Committee

Seven meetings of Kerala State Centre Committee were held.

| | | |
|---|------------|-------------|
| 1 | 01.05.2022 | Meeting # 3 |
| 2 | 22.05.2022 | Meeting # 4 |
| 3 | 26.06.2022 | Meeting # 5 |
| 4 | 28.08.2022 | Meeting # 6 |
| 5 | 25.09.2022 | Meeting # 7 |
| 6 | 24.12.2022 | Meeting # 8 |
| 7 | 05.02.2023 | Meeting # 9 |

Statement of accounts and minutes of the meetings were forwarded to the IEI HQ after due approval by the Centre Committee.

4. Sub Committees

a) Nine meetings of the Finance Sub Committee were held.

| | | |
|---|------------|----|
| 1 | 01.04.2022 | FC |
| 2 | 29.04.2022 | FC |
| 3 | 13.05.2022 | FC |
| 4 | 15.06.2022 | FC |
| 5 | 24.08.2022 | FC |
| 6 | 25.09.2022 | FC |
| 7 | 24.10.2022 | FC |
| 8 | 24.12.2022 | FC |
| 9 | 01.02.2023 | FC |

b) Seven meetings of the CERCON Sub Committee was held.

| | | |
|---|------------|--------|
| 1 | 15.06.2022 | CERCON |
| 2 | 10.08.2022 | CERCON |
| 3 | 02.10.2022 | CERCON |
| 4 | 20.11.2022 | CERCON |
| 5 | 21.12.2022 | CERCON |
| 6 | 25.01.2023 | CERCON |
| 7 | 18.03.2023 | CERCON |

c) Four meetings of the Land and Building Sub Committee was held

| | | |
|---|------------|-------------------|
| 1 | 05.06.2022 | Land and Building |
| 2 | 10.08.2022 | Land and Building |
| 3 | 27.11.2022 | Land and Building |
| 4 | 11.07.2023 | Land and Building |

d) Five meetings of the Library, Liaison with Professional Societies Sub Committee were held.

| | | |
|---|------------|--|
| 1 | 22.06.2022 | Library, Liaison with Professional Societies |
| 2 | 29.06.2022 | Library, Liaison with Professional Societies |
| 3 | 24.07.2022 | Library, Liaison with Professional Societies |
| 4 | 26.07.2022 | Library, Liaison with Professional Societies |
| 5 | 10.08.2022 | Library, Liaison with Professional Societies |

e) One meeting of the Membership Sub Committee were held.

| | | |
|---|------------|---|
| 1 | 22.06.2022 | Membership & Student Technician Chapter |
|---|------------|---|

5. Appointment of Auditor

M/s Ratheesan & Co., Kunnumpuram, Thiruvananthapuram was appointed as Auditors for the Financial Year 2022-23 for a remuneration of Rs.48510/- for IEI KSC and Rs.38270/-for Consolidated Report.

6. Representation in Other Bodies

The Chairman of the Kerala State Centre continued to be a Member in the following Governing Bodies/Committees:

- * Governing Body of Energy Management Centre - Kerala. (EMC-K)
- * Governing Body of Agency for New and Renewable Energy Research and Technology, ANERT

7. Publicity

Newsletter "Voice of Kerala Engineers"

Monthly newsletter 'Voice of Kerala Engineers' was published regularly as e-version under the relevant provisions governed by Registrar for Newspapers of India during the period. Few print copy of Voice of Kerala Engineers are kept in Library. Only the E-version is being sent to the Members.

Website of IEI Kerala State Centre

The website was redesigned and revamped for better user experience. All activities of the Centre as well as general information from IEI HQ are being posted in the site including the e-version of the VoKE for use by members, students as well as the general public.

8. Other Media

The State Centre published the details of programmes in Newspapers and other media. Dissipation of information through WhatsApp and e-mails were also used for close interaction with members and well wishers of the Institution.

9. Library

Total stock of books in the library was 2988 as on 31-03-2023. Regular subscription to Newspapers and important periodicals are also made by the State Centre and the same were displayed in the Library. Presently and we subscribe to:

2 Nos of Newspapers

5 Nos of periodicals

13 No of journals

10. Centre for Continuing Education Research and Consultancy Services (CERCON)

Dr.V.Ganesan, Ph.D, FIE, Prof (Retd) Former Dean i/c KCAE&T, Tavanur, Malappuram, Kerala Agricultural University continued as Director CERCON.

GATE 2023 Class

Conducted GATE 2023 class 22-08-2022 at Visvesvaraya Bhavan, Thiruvananthapuram.

Summer Vacation Class for High School Students 2023.

Summer Vacation Class for High School Students was conducted from 18.04 2022 to 07.05.2022.

18.04.2022 – 22.04.2022 conducted 5 days training Estimation and Costing for Engineers.

11. Engineering Consultancy Services & Arbitration

The Institution of Engineers (India), Kerala State Centre offered consultancy services to the M/s. Sapna Foods, Police Sub Inspector Police Station, M/s. Constance Eric, KLD Board, KELTRON. Milma, M/s. Marikar Green Earth, Mr. Ramesh Babu, Canara Bank, Soil Conservation and Trivandrum Spinning Mill Ltd.

Total 11 nos of consultancy works were undertaken. All these works were carried by our expert Corporate Members empanelled with us.

12. Membership

The number of Members in the Kerala State Centre as on March 31, 2023 is given below.

| Sl No | Type | 2023 | 2022 | 2021 | 2020 | 2019 | 2018 | 2017 | 2016 |
|-------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1. | Corporate | | | | | | | | |
| | a. Fellow | 1684 | 1634 | 1589 | 1537 | 1485 | 1472 | 1432 | 1382 |
| | b. Member | 5023 | 4891 | 4658 | 4350 | 4146 | 3932 | 3751 | 3558 |
| | c. Associate Member | 7842 | 7642 | 7274 | 6894 | 6618 | 6215 | 5721 | 5367 |
| | Total | 14549 | 14167 | 13521 | 12781 | 12249 | 11619 | 10904 | 10307 |
| 2. | Senior Technicians and Technicians | 27295 | 27381 | 27377 | -- | 27208 | 26889 | 26306 | 25556 |
| | Grand Total | 41844 | 41625 | 40898 | 12781 | 39457 | 38508 | 37210 | 35863 |

Institutional Member

As on 31-03-2023 there are 41 institutions enrolled as Institutional Members (IM) under the Kerala State Centre.

Engineering Colleges = 39

Organisations = 2

| | | |
|---|-----------|----|
| 1 | Kerala | 8 |
| 2 | Kollam | 2 |
| 3 | Kochi | 12 |
| 4 | Trichur | 9 |
| 5 | Palghat | 8 |
| 6 | Kozhikode | 2 |
| | Total | 41 |

Student Chapters

| | | |
|---|-----------|-----|
| 1 | Kerala | 12 |
| 2 | Kollam | 31 |
| 3 | Kochi | Nil |
| 4 | Trichur | 8 |
| 5 | Palghat | 2 |
| 6 | Kozhikode | Nil |
| | Total | 53 |

13. Examinations

The AMIE Winter 2021 examinations for Sections A and B were conducted at the Centre in an orderly manner between 17-23 October 2022. Er.Jagadeesa Chandra Pisharady S K, FIE was the Officer-in-Charge. 109 of students attended against the total registration of 192 candidates.

The AMIE Summer 2022 examinations for Sections A and B were conducted at the Centre in an orderly manner between 18-24 March 2023. Er.Jagadeesa Chandra Pisharady S K, FIE was the Officer-in-Charge. 115 of students attended against the total registration of 169 candidates

14. Weekly Wednesday Talks (Online Mode)

43 nos of technical /general presentations on various topics were made by eminent engineers, doctors, scientists and experts in online mode as part of the Wednesday talk program. The programme was jointly organized by IEEE, Aeronautical Society of India, Computer Society of India, Systems Society of India, Project Management Institute, INSARM, Society of Aerospace Manufacturing Engineers (SAME), IETE, ISTD and IITArb.

15. Observation of Statutory Days of IEI

17-05-2022: Celebrated World Telecommunication and Information Society Day. Chief Guest Dr. S. Jyothi Sankar, ITS, Former Principal General Manager, BSNL Kerala Telecom Circle Trivandrum delivered the lecture on the theme 'Digital technologies for older persons and healthy ageing'. Prof (Dr) M Jayaraju, FIE, Chairman, IEI KSC welcomed the gathering and introduced the speaker. After the lecture Er.Roy Mathew, MIE, Honorary Secretary, IEI KSC proposed the vote of thanks.

05.06.2022: Celebrated World Environment Day. Chief Guest Er. S. Subramanian, IIS, Director, Directorate of Soil Survey & Soil Conservation Kerala delivered the lecture on the theme 'Only One Earth. The Celebration started with planting of Seedlings at the premises of IEI Kerala State Centre, Visvesvaraya Bhavan. Social Forestry Department Kerala donated 50 numbers of seedlings. These seedlings were distributed to the participants.

09-09-2022 Celebrated Royal Charter Day in webinar mode by IEI Kerala State Centre jointly with all Local Centres in Kerala on the theme 'Royal Charter: Its Legal Status and Present Scenario. Welcome Address' was done by Er. P. A. Salahudheen, FIE, Chairman, IEI Kochi Local Centre. Prof.(Dr.) Sunil Kumar C.P., FIE, Chairman, Trichur Local Centre introduced the Panelists and narrated about the webinar. Presidential address was provided by Prof. (Dr.) M. Jayaraju, FIE, Chairman, IEI Kerala State Centre.

Theme presentations were done by Dr. M. P. Sukumaran Nair, FIE, Director, Centre for Green Technology & Management and Past Council Member, IEI. and Er. V. B. Singh, FIE, Vice President, IEI National Council. A discussion on various issues faced by the present engineering community, Court case and its present status also held. Er. Madhanmohan K., FIE, Chairman, Palakkad Local Centre proposed vote of thanks.

15-09-2022 Celebrated 55th Engineers' Day. Prof (Dr) M Jayaraju, FIE, Chairman, IEI KSC welcomed the gathering. Life sketch of Sri Dr M. Visvesvaraya was narrated by Er. P. Balakrishnan Nair, FIE, Committee Member, IEI KSC & Recipient of Dr M Visvesvaraya Award and Medallion. Garlanding the portrait of Sir. M. Visvesvaraya & Lighting the lamp were done by Dr. M. C. Dathan, Scientific Advisor to Chief Minister of Kerala, (Indian Space Scientist & Former Director, VSSC). Dr. M. C. Dathan, delivered the inaugural address. Chief Guest of the function Prof (Dr) K. P. Sudheer, FIE, Ex Officio Principal Secretary S&T Department & Executive Vice President KSCSTE delivered the special address.

During the celebrations a book titled 'Construction Management' written by Er. P. A. Prabhakaran, FIE, Chief Engineer (Rtd), Department of Space, Government of India released by Dr. M. C. Dathan. Dr. Suresh Subramoniam, Professor & Director, CET School of Management, Thiruvananthapuram delivered the lecture on the theme "Smart Engineering for a Better World". Er. Roy Mathew, MIE, Honorary Secretary, IEI KSC proposed vote of thanks. The function concluded with National Anthem.

19-10-2022 Celebrated World Habitat Day. Prof. (Dr) M. Jayaraju, FIE, Chairman, IEI Kerala State Centre, welcomed the gathering and introduced the speaker Dr. Manoj Kumar K., Principal, Kerala State Institute of Design. Dr. Manoj Kumar K delivered the lecture on the theme 'Mind the Gap, Leave No One and Place Behind'. Er. Roy Mathew, MIE, Honorary Secretary, IEI Kerala State Centre proposed the vote of thanks.

26-10-2022 Celebrated World Standards Day. Prof. (Dr) M. Jayaraju, FIE, Chairman, IEI Kerala State Centre, welcomed the gathering and introduced the speaker Er. C. Athi Pagavan, Group Director (Retd), SRQA, IISU & Chairman, NIQR Trivandrum Branch. Er. C. Athi Pagavan delivered the lecture on the theme 'A Shared Vision for a Better World'. Er. Roy Mathew, MIE, Honorary Secretary, IEI Kerala State Centre proposed the vote of thanks.

14-12-2022 Energy Conservation Day Celebrations 2022. Prof. V. K. Damodaran, Fellow, IE (India); Life Senior Member, IEEE (NY), Founder Director, Energy Management Centre-Kerala delivered the lecture on 'Move towards Carbon Neutrality: Need to redefine Conservation'. Er. N. Rajkumar, FIE, Past Chairman, IEI KSC welcomed the gathering and introduced the speaker. After the lecture Er. Roy Mathew, MIE, Honorary Secretary, IEI KSC proposed the vote of thanks.

04-03-2023 The Institution of Engineers (India) Kerala State Centre jointly with Mar Baselios College of Engineering and Technology, Thiruvananthapuram celebrated 'World Engineering Day for Sustainable Development at Senatus Hall, Mar Baselios College of Engineering and Technology, Nalanchira, Thiruvananthapuram. Prof. K. P. Sudheer, Ex Officio Principal Secretary, Department of Science & Technology, Government of Kerala and Executive Vice President, Kerala State Council for Science, Technology and Environment delivered the lecture on the theme 'Engineering Innovation for a more Resilient World'. Er. P. Balakrishnan Nair FIE, Member MCDB introduced the theme to the audience. Er. Roy Mathew, MIE, Honorary Secretary, IEI KSC proposed a vote of thanks.

22.03.2023 Celebrated World Water Day. Dr. V. Subhash Chandra Bose, Former Director, CCDU (Communications and Capacity Development Unit), Government of Kerala, delivered the lecture on the theme 'Accelerating Change' Global Campaign theme: Be the change you want to see in the world. Prof (Dr) M Jayaraju, FIE, Chairman, IEI KSC welcomed the gathering and introduced the speaker. After the lecture Er. Roy Mathew, MIE, Honorary Secretary, IEI KSC proposed the vote of thanks.

16. Other Important Events:

Celebration of the 75th year of Independence

The Institution of Engineers (India), Kerala State Centre celebrated the 75th year of Independence in IEI Kerala State Centre, Visvesvaraya Bhavan, Thiruvananthapuram. On 13th August 2022 morning Prof (Dr) M Jayaraju, FIE Chairman hoisted National Flag. Er. Roy Mathew, MIE, Honorary Secretary, State Centre Committee Members and staff of KSC attended. As per the direction from Government of India, this year IEI Kerala State Centre observed Independence day from 13th to 15th August 2022 all over the nation. On 15th August 2022 evening the national flag was lowered by Prof (Dr) M Jayaraju, FIE Chairman in the presence of Committee Members.

02.10.2022 Observed Gandhi Jayanthi. Prof. Dr. M. Jayaraju, FIE, Chairman, Garlanded the portrait of Gandhiji in the presence of Committee Members & Staff.

26-01-2023 Celebrated 74th Republic Day. Er. S. Radhakrishnan, Past Chairman of IEI Kerala State

Centre hoisted National Flag at IEI Kerala State Centre, Visvesvaraya Bhavan, Thiruvananthapuram in the presence of Committee Members, Members and Staff.

17. Student Chapters

Student Chapters attached to the State and Local Centers conducted various technical talks/programmes in online mode.

18. Local Centres

All the Local Centres in Kerala State (Kochi, Kozhikode, Kollam, Palghat and Trichur) excelled in technical activities during 2022-2023, which was held.

19. Financial support from HQ

IE(I) Kerala State Centre received the recurring grant and manpower grant from the IE(I) HQ, as in previous years and not received Library Grant.

20. Lease Issue

Lease rent case is going on in the Hon'ble High Court of Kerala with the continuation of Status Quo. The payment of lease rent cheques were returned as in previous year stating that it was not paid as per revised rates.

21. Election

Election to the Council from IEI Kerala State Centre for the sessions 2021-2025 was conducted. Er.N.Rajkumar, FIE, Covenor, was the BoS. Er.V.Vijayachandran Nair, MIE completed the term and Prof (Dr) G Madhu, FIE. After election to the Council from Kerala Dr.G.Madhu resigned the post from Chemical Engineering Division. Er.Venugopal S, FIE elected to the vacant seat of Chemical Engineering Division for the remaining session.

Seminar

23-04-2022 The Institution of Engineers (India) Kerala State Centre jointly with IEEE, CSI, AeSI, SSI, PMI, INSARM, SAME, ISTD, IETE, IITArb organized a seminar on Silver Line and Green Benefits" by Er. Ajith Kumar V, IRSSE, Managing Director, K-Rail.

28-04-2022 The Institution of Engineers (India) Kerala State Centre jointly with IEEE,CSI, AeSI, SSI, PMI, INSARM, SAME, ISTD,IETE, IITArb organized a seminar on "K-Rail –Another Perspective" by Padma Vibhushan Dr. E. Sreedharan, Former Managing Director, Delhi Metro Rail Corporation & Honorary Life Fellow, IEI.

26.07.2022 conducted One Day Seminar on 'Adaptability of Urban Flood Management Suitable to Trivandrum City'. The seminar was inaugurated by Shri. K. Rajan, Hon'ble Minister for Revenue and Housing, Government of Kerala. Five distinguished speakers took part and presented their topics which was very well attended.

28th Er.S.K.Sundaram Memorial Lecture

28th Er. S.K.Sundaram Memorial Lecture was held on 24-10-2022 in connection with 75th Annual General Meeting. Prof.(Dr) M.Jayaraju, FIE, Chairman, IEI Kerala State Centre, welcomed the gathering and narrated life sketch of Er.S.K.Sundaram and garlanded the portrait of Er.S.K.Sundaram. Prof. (Dr.) M. Jayaraju, Chairman introduced the speaker Dr.R.Murugesan, FIE, Retd. Chief Engineer, Kerala PWD. Dr.R.Murugesan delivered lecture on the topic 'Strong and Wise Decisions of Engineers Create Strong and Useful Structures'. Er.Roy Mathew, MIE, Honorary Secretary, IEI Kerala State Centre proposed the vote of thanks.

Panel Discussion of Vizhinjam Harbour Project

On 16.11.2022 Panel Discussion on 'An Overview of Vizhinjam Harbour Project'. Moderator Er. Satheesh Gopi, MIE, Deputy Hydrographer (Rtd). Department of Port, Government of Kerala. Panellists Dr Anil Joseph, MIE, Council Member, IEI, Geo structural Engineer & Managing Director, Geo structurals (P) Ltd., Kochi. Er. G. Vijayaraghavan, Founder CEO, Technopark & Ex-Member Kerala State Planning Board and Dr K.V. Thomas, Former Scientist G &Group Head, NCESS &Former Dean, Kerala University of Fisheries and Ocean Studies, Kochi. Prof. Dr M. Jayaraju, Chairman, IEI Kerala State Centre welcomed the gathering and Er. Roy Mathew, MIE, Honorary Secretary, IEI Kerala State proposed the vote of thanks.

Prof (Dr) M. Jayaraju and Er.PSreekumaran Nair handed over the report of Panel Discussion on 'An Overview of Vizhinjam Harbour Project' held on 16-11-2022 to Hon'ble Minister for Ports, Museum, Archaeology & Archives Shri.Ahammad Devarkovil on 29th November 2022 at Symphony Hall, Mascot Hotel, Thiruvananthapuram.

08.02.2023 25th Er. C. S. Padmanabha Iyer Memorial Lecture was held. Er. N. Rajkumar, FIE, Past Chairman of IEI Kerala State Centre welcomed the gathering and introduced the speaker Er. P. Balakrishnan Nair, Committee Member, IEI Kerala State Centre. Er. N. Rajkumar narrated a brief profile of Er. C. S. Padmanabha Iyer. Er. P. Balakrishnan Nair delivered the lecture on the topic "How the Kubler-Ross Model of Change Can Apply in the Workplace?". Er. Roy Mathew, MIE, Honorary Secretary, IEI Kerala State Centre proposed a vote of thanks. The function concluded with National Anthem.

06.09.2022 Onam was celebrated at IEI Kerala State Centre with active participation of Members and Staff.

7-10 September 2022: Exhibited Electric Vehicles by Hundai Cars during the Onam week in the premises of IEI Kerala State Centre.

22. Conclusion

The successful conduct of the activities during the reporting year was possible due to the guidance, assistance, support and whole-hearted cooperation of all Corporate Members, Members of State Centre Committee, Conveners & Members of Sub Committees, Corporate Members and all the staff members of the State Centre.

The State Centre is immensely grateful to all Local Centres for their wholehearted support for the various activities. We sincerely thank our sister professional bodies who played a vital role in jointly organising technical talks on all Wednesdays, throughout the year.

We gratefully acknowledge the support received from State and Central Governments, Government Departments, PSUs, other non-Governmental organizations and Print & Visual Media for their support in conducting the activities of the Centre.

The Chairman, Honorary Secretary and Members of the State Centre Committee would like to place on record the support received from President, Vice Presidents, Secretary & Director General, Council Members, Chairmen of various functional Sub Committees of the Council, Directors of Departments and staff at IEI HQ.

We place on record our sincere gratitude to each and every Corporate Member of the Institution and the executive staff for all the assistance received.

Prof (Dr)M.Jayaraju, FIE
Chairman

Er.Roy Mathew, MIE
Honorary Secretary

INDEPENDENT AUDITOR'S REPORT

To

The Members

**The Institution of Engineers (India),
Kerala State Centre.**

Report on the Financial Statements

Opinion

We have audited the accompanying financial statements of The Institution of Engineers (India) Kerala State Centre, which comprise the Balance Sheet as at 31st March, 2023 signed by us under reference to this report and the related Income and Expenditure Account and the Cash Flow Statement for the year then ended, and notes to the financial statements, including a summary of the significant accounting policies and other explanatory information (hereinafter referred to as „financial statement“).

In our opinion and to the best of our information and according to the explanations given to us, the aforesaid financial statements of the Institution give the information in accordance with the generally accepted accounting principles and the applicable Accounting Standards issued by the Institute of Chartered Accountants of India and read with the Other Matters paragraph below, give a true and fair view of the state of affairs of the Institution as at March 31, 2023 its surplus and its cash flows for the year ended on that date.

Basis for Opinion

We conducted our audit of the financial statements in accordance with the Standards on Auditing (SA) issued by the Institute of Chartered Accountants of India. Our responsibilities under those Standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the Institution in accordance with the Code of Ethics issued by the Institute of Chartered Accountants of India (ICAI) together with the ethical requirements that are relevant to our audit of the financial statements and we have fulfilled our other ethical responsibilities in accordance with these requirements and the ICAI's Code of Ethics. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the financial statements.

Management's Responsibility for the Financial Statements

The Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance and cash flows of the Institution in accordance with the accounting principles generally accepted in India, including the applicable Accounting Standards. This responsibility also includes maintenance of adequate accounting records for safeguarding the assets of the Institution and for preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statement that give a true and fair view and are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Institution's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Institution or to cease operations, or has no realistic alternative but to do so.

The management of the Institution is also responsible for overseeing the Institution's financial reporting process.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- ◆ Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and

perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

◆ Obtain an understanding of internal controls relevant to the audit in order to design audit procedures that are appropriate in the circumstances.

◆ Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.

◆ Conclude on the appropriateness of managements use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Institution's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Institution to cease to continue as a going concern.

◆ Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

Obtain sufficient appropriate audit evidence regarding the financial information of the Institution to express an opinion on the financial statements. We are responsible for the direction, supervision and performance of the audit of the financial statements of the Institution of which we are the independent auditors.

Materiality is the magnitude of misstatements in the financial statements that, individually or in aggregate, makes it probable that the economic decisions of a reasonably knowledgeable user of the financial statements may be influenced. We consider quantitative materiality and qualitative factors in (i) planning the scope of our audit work and in evaluating the result of our work; and (ii) to evaluate the effect of any identified misstatements in the financial statements.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

Other Matters

Disclosure on other matters has been reported in the Annexure-III annexed herewith along with other observation stated in notes. Our opinion is not modified in respect of these matters.

Report on Other Legal and Regulatory Requirements

This report does not contain a statement on the matters specified by the Companies (Auditor's Report) Order 2016 („the Order“) issued by the Central Government of India in terms of sub section (11) of section 143 of the Companies Act 2013 as the said Order is not applicable to the Institution.

We further report that:

1. We have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of the audit;
2. In our opinion proper books of accounts as required by law have been kept by the Institution so far as appears from our examination of those books;
3. The Balance Sheet, the Statement of Income and Expenditure and the Cash Flow Statement dealt with in this Report are in agreement with the books of account.
4. We further report that according to the information and explanation given to us:
 - I. The Institution has disclosed the impact of pending litigations on its financial position in its financial statements.
 - II. The Institution did not have any long-term contracts including derivative contracts for which there may be any material foreseeable losses.

Thiruvananthapuram,
16th June 2023.

UDIN - 23020361BGXGMM4576
Statutory Auditors

NOTES FORMING PART OF ACCOUNTS (SCHEDULE11)

FOR THE YEAR ENDED 31stMARCH 2023

1. Expenses under establishment expenses have been allocated to research and development; and education in the ratio 40% and 60% respectively in the financial statements as per the direction of head office. All other expenses are allocated in the ratio adopted in the previous year.
2. Fixed assets are shown in the books at cost price and no depreciation has been provided in the books of accounts.
3. Interest on fixed deposits are accounted on accrual basis and the interest due is accounted based on the certificates received from the banks.
4. The bank balances as at 31st March 2023 as shown in Schedule 5 of Balance sheet are the balances as per the books of account. However such balances are subject to reconciliation.
5. The balance of fixed deposits as on 31st March 2023 is arrived at, considering the confirmation certificate from the banks.
6. The balances of caution deposit, and library deposit have been arrived at, after considering the deposits received and refunded during the year.
7. For the matured Fixed deposits Bank has deducted tax on interest for the full period of deposit.
8. A demand of Rs.3,22,38,652/- has been raised for lease rent against which a case was filed and subsequently a stay order was issued vide no. WP (C) No – 18931/ 2016(N).

Thiruvananthapuram
16th June 2023.

UDIN - 23020361BGXGMM4576
Statutory Auditors

Balance Sheet as at 31st March 2023

| 31st March 2022 Rs. | LIABILITIES | Schedules | 31st March 2023 Rs. | 31st March 2022 Rs. | ASSETS | Schedules | 31st March 2023 Rs. |
|------------------------|----------------------------------|-----------|------------------------|------------------------|---|-----------|------------------------|
| 32,375,534.40 | Reserve & Surplus | 7 | 33,104,989.98 | 7,761,761.34 | Fixed Assets | 1 | 7,762,608.80 |
| | | | | | <u>Investments : Long Term</u> | | |
| | Capital Reserve | 8 | | | Fixed Deposits with Banks | 2 | |
| | | | | 19,250.20 | <u>Current Assets</u> | | |
| | | | | | Stock | 3 | 1,700.00 |
| 705,514.00 | Earmarked Funds | 9 | 705,514.00 | | Sundry Receivables | 4 | |
| | | | | 25,835,420.40 | Cash & Bank Balances and short term Fixed Deposits with Banks | 5 | 26,707,272.94 |
| 545,182.56 | Current Liabilities & Provisions | 10 | 668,994.58 | 9,799.02 | Other Advances | 6 | 7,916.82 |
| | | | | | Interest Outstanding and accrued on Investments | 2 | |
| 33,626,230.96 | TOTAL | | 34,479,498.56 | 33,626,230.96 | TOTAL | | 34,479,498.56 |
| | Notes to Accounts | 11 | | | | | |

THE INSTITUTION OF ENGINEERS (INDIA)
Income and Expenditure Account for the year ended 31st March 2023
KERALA STATE CENTRE

ANNEXURE-1 (Page 2 of 7)

| 2 0 2 1 - 2 0 2 2 | | I N C O M E | R A T I O | | 2 0 2 2 - 2 0 2 3 | | T O T A L |
|------------------------|------------|---|-----------|-----|------------------------|------------|--------------|
| Research & Development | Education | | R & D | EDU | Research & Development | Education | |
| Rs. | Rs. | | | | Rs. | Rs. | |
| | | <u>Grant received from Head Quarter:</u> | | | | | |
| 444,972.00 | 111,243.00 | For Manpower Grant | 80 | 20 | 647,527.20 | 161,881.80 | 809,409.00 |
| | | For Sr/Jr Most Salaries | 80 | 20 | | | - |
| | | For Leave encashment | 80 | 20 | | | - |
| | | For Bonus/ Exgratia | 80 | 20 | | | - |
| | | For Staff Welfare Expenses | 80 | 20 | | | - |
| | | For Technical activities | 100 | | | | - |
| | | For Seminars and Symposia | 100 | | 10,000.00 | - | 10,000.00 |
| | | For National convention | 100 | | | | - |
| | | For International Conference | 100 | | | | - |
| | | For Recurring Grant | 100 | | | | - |
| | | For Engineering Congress Grant | 100 | | | | - |
| | | For Election Grant | 100 | | | | - |
| | | For Technical publications | 100 | | | | - |
| | | For Jubilee celebration | 100 | | | | - |
| | | For opening New centre | 100 | | | | - |
| | | For Best Centre award | 100 | | | | - |
| | | For procurement of hardware for election | 100 | | | | - |
| | | Student chapter income | | | | | - |
| | 55,087.00 | For Examinations Expenses- From HQ | | 100 | - | 50,994.00 | 50,994.00 |
| | | For Convocation Grant | | 100 | | | - |
| | | For Technician/students chapter | | 100 | | | - |
| 280,419.20 | 70,104.80 | For Annual Recurring Grant | 80 | 20 | 372,756.80 | 93,189.20 | 465,946.00 |
| | | For Special Repairs Grant | 80 | 20 | | | - |
| | | For Land and Building Grant | 80 | 20 | | | - |
| | | For Non conventional energy Grant | 80 | 20 | | | - |
| 4,000.00 | 2,000.00 | For Incentives | 80 | 20 | 4,800.00 | 1,200.00 | 6,000.00 |
| | | For Special Grant | 80 | 20 | | | - |
| | | For Recurring Grant | | | | | - |
| | | For reimbursement of TA/DA | 80 | 20 | | | - |
| | | Exam balance amount from HQ | | | | | - |
| | | For Miscellaneous Grant | 80 | 20 | | | - |
| 729,391.20 | 238,434.80 | Sub-Total (A) | | | 1,035,084.00 | 307,265.00 | 1,342,349.00 |

Contd/-

| 2021-2022 | | I N C O M E | R A T I O | | 2022-2023 | | TOTAL |
|------------------------|-----------|-------------|-----------|-----|------------------------|-----------|-------|
| Research & Development | Education | | R&D | EDU | Research & Development | Education | |
| Rs. | Rs. | | | | Rs. | Rs. | |

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| | | <u>Income Generated by Centre:</u> | | | | | |
|--------------|------------|---|-----|-----|--------------|------------|--------------|
| | | Receipts for National Convention of Division | 100 | | | | - |
| | | Receipts from Seminars and Symposia | 100 | | 29,661.00 | - | 29,661.00 |
| | | Receipts for Technical Activities | 100 | | 108,000.00 | - | 108,000.00 |
| 109,500.00 | | Consultancy charges | 100 | | 59,000.00 | - | 59,000.00 |
| 9,425.00 | | Dormitory income- Guest room charge | 100 | | 31,297.00 | - | 31,297.00 |
| | | GATE course Fee | | | | | - |
| | | Sponsorship fees | 100 | | | | - |
| | | Donations | 100 | | | | - |
| | | Lease Rent refund | | | | | - |
| | | Library subscription and stationery | 100 | | 250.00 | | 250.00 |
| | 209,173.00 | Receipts for Continuing education | | 100 | - | 209,795.00 | 209,795.00 |
| 902,566.33 | 225,641.58 | Interest from Investments & Bank Fixed Deposit | 80 | 20 | 894,050.46 | 223,512.61 | 1,117,563.07 |
| 2,256.00 | 564.00 | Interest from Savings Bank Accounts | 80 | 20 | 4,973.98 | 1,243.49 | 6,217.47 |
| 95,424.80 | 23,856.20 | TDS on Investment & Fixed Deposit | 80 | 20 | - | - | - |
| 56,898.40 | 14,224.60 | Hall/Space rent | 80 | 20 | 86,775.20 | 21,693.80 | 108,469.00 |
| | | Sale of Scrap | 80 | 20 | 565.60 | 141.40 | 707.00 |
| 7,293.35 | 1,823.34 | Miscellaneous Receipts | 80 | 20 | 4,584.44 | 1,146.11 | 5,730.55 |
| 7,440.00 | 1,860.00 | Reverse entry income | 80 | 20 | | | - |
| | | TDS Collected | | | | | - |
| | | Professional Tax collection | | | | | - |
| | | GST Received | | | | | - |
| | | GST received from Kochi Local centre | | | | | - |
| | | GST received from Palaghat Local centre | | | | | - |
| 133,134.40 | 33,283.60 | Share of GST filing / Auditing charge from Local Centre | 80 | 20 | - | - | - |
| 784.00 | 196.00 | Flood cess | 80 | 20 | | | - |
| | | Liabilities no longer required written back | 80 | 20 | | | - |
| | | Sale of Institution Ties and Badges | 100 | | | | - |
| | 19,250.20 | Closing stock | | | | 1,700.00 | 1,700.00 |
| 1,324,722.28 | 529,872.52 | Sub-Total (B) | | | 1,219,157.67 | 459,232.42 | 1,678,390.09 |
| 2,054,113.48 | 768,307.32 | : GRAND TOTAL (A+B) : | | | 2,254,241.67 | 766,497.42 | 3,020,739.09 |

THE INSTITUTION OF ENGINEERS (INDIA)
Income and Expenditure Account for the year ended 31st March 2023

KERALA STATE CENTRE

ANNEXURE-1 (Page 3 of 7)

| 2021 - 2022 | | EXPENDITURE | RATIO | | 2022 - 2023 | | TOTAL |
|------------------------|------------|--|-------|-----|------------------------|------------|------------|
| Research & Development | Education | | R & D | EDU | Research & Development | Education | |
| Rs. | Rs. | | | | Rs. | Rs. | |
| | 11,635.60 | Opening stock | | | | 19,250.20 | 19,250.20 |
| 525,462.40 | 821,877.10 | Salaries and Allowances, etc. to Permanent staff | R | R | | | |
| | 92,544.50 | Salaries and Allowances, etc. to Temporary staff | R | R | 385,546.40 | 578,319.60 | 963,866.00 |
| 36,941.00 | | Direct Expenses for conducting Examination | 0 | 100 | | 83,789.01 | 83,789.01 |
| | | Technical Publication | 100 | 0 | 29,917.00 | - | 29,917.00 |
| | | Expenses for Seminars and Symposia | 100 | 0 | 73,896.00 | - | 73,896.00 |
| | 5,506.00 | Statutory events and Memorial Lecture | 0 | 100 | - | 20,089.00 | 20,089.00 |
| | 201,214.52 | Expenses for Continuing education | 0 | 100 | - | 207,935.80 | 207,935.80 |
| | | Illumination | | | - | 6,400.00 | 6,400.00 |
| 14,775.00 | | Expenses for Lectures | 100 | 0 | 52,145.00 | - | 52,145.00 |
| | | Annual General Meeting Expenses | 100 | 0 | 16,275.61 | - | 16,275.61 |
| - | 800.00 | Committee Meeting Expenses | 100 | 0 | 62,392.00 | - | 62,392.00 |
| 9,201.20 | 2,300.31 | Printing and Stationery | 80 | 20 | 18,666.83 | 4,345.20 | 23,012.03 |
| 3,644.00 | 911.00 | Postage expenses | 80 | 20 | 3,012.00 | 753.00 | 3,765.00 |
| 37,203.20 | 9,300.80 | Telephone Expenses | 80 | 20 | 34,812.00 | 8,703.00 | 43,515.00 |
| 34,967.20 | 8,741.80 | Electricity Charges | 80 | 20 | 51,792.80 | 12,948.20 | 64,741.00 |
| | | Advertisement Expenses | 80 | 20 | | | - |
| | | | | | | Condt/- | |

| 2021 - 2022 | | EXPENDITURE | RATIO | | 2022 - 2023 | | TOTAL |
|------------------------|-----------|-------------|-------|-----|------------------------|-----------|-------|
| Research & Development | Education | | R & D | EDU | Research & Development | Education | |
| Rs. | Rs. | | | | Rs. | Rs. | |

.. 2 ..

| | | | | | | | |
|--------------|--------------|--|-----|----|--------------|--------------|--------------|
| 4,912.00 | 1,228.00 | Website Maintenance- Data Process expense | 80 | 20 | | | - |
| 2,189.00 | | Water charges paid | 80 | 20 | 9,544.80 | 2,386.20 | 11,931.00 |
| 1,734.80 | 433.70 | Election Expenses | 100 | 0 | - | - | - |
| 76,144.80 | 19,036.20 | Bank Charges | 80 | 20 | 1,784.00 | 446.00 | 2,230.00 |
| 8,960.00 | 2,240.00 | General Charges | 80 | 20 | 53,658.20 | 13,414.55 | 67,072.75 |
| | | Calender | 80 | 20 | 8,949.60 | 2,237.40 | 11,187.00 |
| | | Washing charges & Upkeep of Office and Guest House | 80 | 20 | 1,476.00 | 369.00 | 1,845.00 |
| 25,529.60 | 6,382.40 | Rent, Rates and Taxes | 80 | 20 | 19,463.20 | 4,865.80 | 24,329.00 |
| 87,400.00 | 21,850.00 | Professional Consultancy & Filing for GST | 80 | 20 | 93,160.00 | 23,290.00 | 116,450.00 |
| 531.20 | 132.80 | Refreshment Expenses | 80 | 20 | 5,347.20 | 1,336.80 | 6,684.00 |
| 60,500.00 | 15,125.00 | Statutory Audit Fees | 80 | 20 | 64,790.40 | 16,197.60 | 80,988.00 |
| 7,200.00 | 1,800.00 | Other Auditors' Fees | 80 | 20 | 2,400.00 | 600.00 | 3,000.00 |
| 6,440.85 | 10,074.15 | Books and Periodicals | R | R | 4,272.00 | 6,408.00 | 10,680.00 |
| 38,593.01 | 9,648.26 | Repairs and Maintenance on Buildings | 80 | 20 | 44,360.61 | 11,090.15 | 55,450.76 |
| 38,211.46 | 9,552.87 | Repairs and Maintenance on Others | 80 | 20 | 106,176.54 | 26,544.13 | 132,720.67 |
| 54,151.20 | 13,537.80 | Data Processing Expenses | 80 | 20 | 25,725.62 | 6,431.41 | 32,157.03 |
| 26,008.00 | 6,502.00 | Travelling and Conveyance | 80 | 20 | 32,243.20 | 8,060.80 | 40,304.00 |
| 14,399.02 | 3,599.76 | Miscellaneous expenses | 80 | 20 | 18,612.52 | 4,653.13 | 23,265.65 |
| 520.00 | 130.00 | Staff Welfare | 80 | 20 | | | - |
| 11,296.80 | 2,824.20 | Flood Cess given | 80 | 20 | | | - |
| 1,126,915.74 | 1,278,928.77 | Sub-Total (C) | | | 1,220,419.53 | 1,070,863.98 | 2,291,283.51 |
| 927,197.74 | - 510,621.45 | Excess of Income/exp. over Exp./income [Surplus/(Deficit)] [{A+B} - C = D] | | | 1,033,822.14 | - 304,366.56 | 729,455.58 |
| 2,054,113.48 | 768,307.32 | : GRAND TOTAL (C + D) : | | | 2,254,241.67 | 766,497.42 | 3,020,739.09 |

Wednesday Talk Glimpses

20-09-2023 Talk on “Universal Human Values and Ethics” (Session-3)” by Dr S Ushakumari, Professor and Dean, Corporate Relations, Mar Baselios College of Engineering and Technology, Thiruvananthapuram



27-09-2023 Talk on “Removal of Iron from Contaminated Water” by Er. Kurian George, Retd. Executive Engineer, KSEB Ltd.



07-09-2023 Royal Charter Day 2023 Celebrations.

IEI Keala State Centere celebrated Royal Charter Day. Prof. (Dr) M Jayaraju, Chairman, IEI Kerala State Centre welcomed the gathering and speaker Er.N.Rajkumar, Past Chairman, IEI Kerala State Centre. Er.N.Rajkumar delivered the lecture on 'Royal Charter Day'. Afeter the lecture Er.Roy Mathew, MIE, Honorary Secretary, IEI Kerala State Centre proposed the vote of thanks. The celebration concluded with National Anthem.



04.10.2023 World Habitat Day Celebration

IEI Kerala State Centre celebrated World Habitat Day 2023. Prof. (Dr) M Jayaraju, Chairman, IEI Kerala State Centre welcomed the gathering and speaker Prof. (Dr.) Manoj Kumar K., Principal, Kerala State Institute of Design. Prof. (Dr.) Manoj Kumar K delivered the lecture on 'Resilient urban economies. Cities as drivers of growth and recovery'. Afeter the lecture Er.Roy Mathew, MIE, Honorary Secretary, IEI Kerala State Centre proposed the vote of thanks. The celebration concluded with National Anthem.



02.10.2023 Gandhi Jayanthi Celebration

IEI Kerala State Centre celebrated Gandhi Jayanthi. Prof. (Dr) Er.Roy Mathew, MIE, Honorary Secretary, IEI Kerala State Centre garlanded the portrait of Gandhiji, in the presence of committee members, members and staffs.



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October 2023

To

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