



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

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CHAIRMAN'S MESSAGE

Er. N. Rajkumar FIE



Our team of State Centre office bearers is completing one year of office (1st session) with 2017 AGM. This is a time for analyzing our functioning. Compared to the magnitude of problems faced by the Engineering community, I have to confess that what we have achieved is much less than my expectations.

Apathy of the power centers to the problems of Engineers in the country and State continues. The latest being the non inclusion of Institution of Engineers in the implementation of Smart City programme in our State in spite of our offer for voluntary services.

A new President is taking over at the National level. The lone voice of the great Engineer Dr. E. Sreedharan on the neglect of Engineers is not given proper importance by the higher power centres. The State Centre Newsletter is also getting ready to go digital shortly.

The 32nd Indian Engineering Congress is being held in Chennai on 21st to 23rd December at Hotel Le Royal Meridian, Chennai. Theme is "Innovation in Engineering: Competitive Strategy Perspective"

HONORARY SECRETARY'S DESK

Er. K. S. Udaya Kumar MIE

Kerala State Centre Diary

08-11-2017 Talk on 'Mosquito Breeding Disruptive Device – Take it Easy' by Mr.E.C.Thomas, Thiruvananthapuram.

15-11-2017 Will be announced later

22-11-2017 Will be announced later

29-11-2017 Talk on 'Potable Water Supply – Consumer satisfaction ; a myth or reality' by Er.S. Kumar, Past Honorary Secretary, IEI, Kerala State Centre and Dy Chief Engineer (Retd), KWA.

06-12-2017 Will be announced later



IEI COUNCIL ELECTION



Er. V. Vijayachandran Nair, MIE has been elected to IEI Council from Kerala State Centre for the sessions, 2017-2021. He is Past Honorary Secretary, IEI Kochi Local Centre and Senior Section Engineer, Indian Railways.

Voice of Kerala Engineers to go Online

All Corporate Members of IEI, KSC are hereby informed that the News Magazine, 'Voice of Kerala Engineers' will be available online only at the website of IEI,KSC (www.ietvm.org) and WhatsApp of IEI, KSC from January,2018 onwards. However, those Corporate Members, who replied to our earlier notifications, will receive hard copy of the News Magazine.

70th ANNUAL GENERAL MEETING OF IEI KERALA STATE CENTRE

The 70th Annual General Meeting of The Institution of Engineers (India),Kerala State Centre was held on 29th October, 2017 at Visvesvaraya Bhavan, Thiruvananthapuram. Er.N.Rajkumar, Chairman welcomed the members and delivered the presidential address. Er. K.S.Udaya kumar presented the minutes of the 69th AGM held on 30th October 2016. The minutes was passed and confirmed. Subsequently the Annual Report for the year 2016-17 and Audited Accounts for the year 2016-17 were passed by AGM. Auditor was appointed and remuneration fixed.

Thereafter, Er.S.Radhakrishnan, Convenor, BoS announced the result of the election of one Member from KSC to IEI



70th AGM in progress. Er. N Rajkumar speaking (L-R) Er. V. Vijayakumar, Er. K.S Udaya Kumar, Er. K Sarat Kumar

Council. Er. V.Vijayachandran Nair, MIE was declared elected for the sessions 2017-2021..

In the discussion, that followed, topics on continuation and improvement of educational activities, training of Chartered Engineers, digitalizing Wednesday talks, technical tour programmes, lease land issue, honouring of veterans, project guidance and presenting a model of bust of Sir.M.Visvesvaraya as gift were taken into consideration. A resolution moved by Er. V. Vimal Prakash, former IEI, Council Member and seconded by Er. K. Ramanarayanan for naming the road in front of IEI KSC as Sir M.Visvesvaraya Road was passed. Chairman and Honorary Secretary assured to take appropriate action on the topics of discussion. The AGM concluded with vote of thanks by Er.K.S.Udaya Kumar, Honorary Secretary, IEI KSC.

AWARDS – 2017

Awards instituted by IEI, Kerala State Centre were distributed to meritorious students after the AGM.

Er. N.Jayakrishnan Nayar Award

To the best candidate of Section B Examination (Mechanical) (Year 2016) in Mechanical Engineering, appeared from the Kerala State Centre. **Winner: Mr.Abhilash S., Er.K.I.Idiucal Award**

To the best candidate of Section B Examination (Civil) (Year 2016) in Civil Engineering, appeared from the Kerala State

Centre. **Winner: Ms.Salini K. S.**

Er. Tom T Joseph Award

To the best Candidate of Section B Examination (Electrical) (Year 2016) appeared from examinations centres in Trivandrum and Cochin. **Winner: Ms.Reshma M. Nair**

Er. C.S.P. Iyer Endowment Awards

1. Prize to the First Rank holder in M.Tech., Hydraulics Engineering from the College of Engineering, Trivandrum.

Winner: Ms.Theja S.N.

2. Prize to the candidate who secured the highest marks in the subject 'Water Resources Systems Analysis' in M.Tech., from the College of Engineering, Trivandrum. **Winner: Ms.Sreedevi V.**

3. Prize to the candidate who secured highest marks in Section A- Non-Diploma of the AMIE Examination (Year 2016) from among those who appeared at the Kerala State Centre. **Winner: Ms.Jayalekshmi J S.**

4. Prize to the candidate who secured highest marks in Section A -Diploma of the AMIE Examination (Year 2016) from among those who appeared at the Kerala State Centre. **Winner: Mr.Vishnu S.**

Award for attending Wednesday Talks

To the person who attended the maximum number of Wednesday Talks at IEI, KSC –**Er. V.S.Sivasankaran Nair.**

25th ER.S.K.SUNDARAM MEMORIAL LECTURE

The 25th Er.S.K.Sundaram Memorial Lecture was held following the Awards distribution. Er.N.Rajkumar, Chairman, IEI Kerala State Centre made the welcome address. Er.V.Vijayakumar, Immediate Past Chairman, IEI Kerala State Centre narrated the life profile of Er.S.K.Sundaram. The



Er.K.G.Chandrasekharan speaking

memorial lecture was delivered by Er.K.G.Chandrasekharan, FIE, Past Chairman, IEI Kerala State Centre & Former Member (Civil), KSE Board on 'Planning of Hydro Electric Project – An Overview' Er.K.G.Chandrasekharan gave an overview of various types of hydroelectric projects from the design stage to commissioning. The talk also covered the pros and cons of hydro projects. The most important aspect is the selection of turbines and generators for a successful hydroelectric project.



Er.K.S.Udaya Kumar

The function concluded with vote of thanks by Er.K.S.Udaya Kumar, Honorary Secretary, IEI KSC.

GANDHI JAYANTHI CELEBRATION



Mr. T.Madhava Menon

The Institution of Engineers (India), Kerala State Centre celebrated Gandhi Jayanthi on October 2,2017 at Visvesvaraya Bhavan, Thiruvananthapuram. True to the teachings of the Father of our Nation, the celebration kicked off with cleaning of the premises of

IEI KSC by the Corporate Members and Staff. This cleaning on Swachh Bharat Diwas was in tune with the call of our Prime Minister, Sri Narendra Modi that "Swachhata has to become Swabhav – it is our collective responsibility to keep our Nation clean."

Later, there was a talk on the topic, 'Gandhiyan Chinthakalum – Adivasi Oorukalum' by Mr. T.Madhava Menon IAS (Retd) and Former Vice Chancellor, Kerala Agricultural University.



Demonstration of Spiral Incinerator for dry bio-waste designed by Mr. C.K Unnikrishnan, Resource Person, EMC-Kerala

Er.K.S.Udaya Kumar, Hon. Secretary, IEI KSC who welcomed the gathering opined that Mr. Menon was the oldest retired IAS Officer in Kerala, still as active as ever. Er.N.Rajkumar, Chairman, IEI KSC, who presided over the function remarked that Mr. Menon is an expert in the knowledge on Adivasis.

According to Mr. Menon, the degree of exploitation of Adivasis is much more than their degree of poverty. He made it clear that the procedures of Government Departments should not stand in the way of completion of projects beneficial to society. Also the system of awarding public works to Contractors has to be ended. The Contractors and the society are the two ends with Govt. Departments in between. This creates a lot of problems with the society suffering the most with low quality of completed projects. Instead now there is a system avoiding the Contractors with direct execution of works by Departments. It is also necessary to have Technical Audit of projects. For the improvement of Adivasis, the elected Panchayat should be given more powers in implementing developmental projects rather than giving powers to bureaucracy. He concluded by saying that rules and regulations are remaining in paper as far as Kerala is concerned. Unless they are put into practice, the future of Panchayati Raj seems bleak for the development of Adivasis.

WORLD HABITAT DAY

The Institution of Engineers (India), Kerala State Centre observed World Habitat Day on October 2, 2017 at Visvesvaraya Bhavan, Thiruvananthapuram. Er.P.A.Prabhakaran, Chief Engineer (Retd.), ISRO and Advisor to Chairman, ISRO, Dept. of Space, Govt. of India, delivered the talk on the theme, 'Housing Policies; - Affordable Homes'. Earlier, Er.K.S.Udaya Kumar, Hon. Secretary, IEI KSC welcomed the gathering and introduced the speaker.

According to Er.Prabhakaran, the Central Govt. aims at providing 50 million homes by 2025. He made it clear that Engineers have to bring out results by completing projects in time keeping in view escalation of the cost of labour



Er.P.A.Prabhakaran

and materials. The problem with Low Cost Housing is that there is lack of standards. There is also no uniformity in construction. Each project has its own method of construction.

Even after 70 years of Independence, 50% of the population lives in slums.

The function concluded with vote of thanks by Er.N.Rajkumar, Chairman, IEI KSC.

WORLD STANDARDS DAY 2017

The Institution of Engineers (India), Kerala State Centre observed World Standards Day on 14th October, 2017 at Visvesvaraya Bhavan, Thiruvananthapuram. Dr.Aniyan, Deputy General Manager, BrahMos Aerospace Thiruvananthapuram Ltd., Thiruvananthapuram presented a talk on the theme, 'Standards make Cities Smarter.' Earlier, Er.N.Rajkumar, Chairman, IEI KSC delivered the welcome address and introduced the speaker.

Dr.Aniyan defined a Smart City as one that uses information and communication technologies (ICT) for the efficient utilization of resources for the overall improvement in the quality of life in the city. A Smart City should be able to handle its economic and environmental problems. The



Dr.Aniyan

Smart City Standard - ISO 37120 is the first ISO Standard on city indicators.

The function concluded with vote of thanks by Er. K.S.Udaya Kumar, Hon. Secretary, IEI KSC.

The Institution of Engineers (India) KERALA STATE CENTRE
Skill Development for Engineering Graduates

Three Day Training on Construction Management

Period of Training: In November 2017. Dates will be announced.

Venue: The Institution of Engineers (India) Hall, The Institution Engineers (India), Kerala State Centre, Visvesvaraya Bhavan, Opposite Kanakakunnu Palace, Thiruvananthapuram- 695033

About the Training: A number of skills are needed for enabling engineering graduates to get good employment or to start their own ventures. In addition to the technical knowledge, skills, and training during their education, certain key management skills are imperative for sustained good performance & success in their preferred fields of working. These skills are generic in nature but essential for performance excellence.

IEI is providing an opportunity for engineering graduates who are looking for employment, self employment, or improvement in their career growth.

Objectives: • Provide awareness & basic skills for enabling engineers to get good jobs. • Provide awareness & basic skills for self employment / entrepreneurship. • Impart social awareness & basic skills for High performance by engineers.

Suitable for:

- Engineering Graduates seeking good Employment.
- Engineering Graduates seeking self employment.
- Engineering Graduates seeking High Performance in their career.

SYLLABUS - CONSTRUCTION MANAGEMENT

1. Managing Building Construction
2. Contract and contract management
3. Quality Aspects In Building Construction.
4. Quality of Concrete
5. Art of Site Inspection

Facilitators: Experienced serving / retired experts from educational, industrial, and research institutions.

Timing: 09.00 am to 1.00 pm on all days

How to Apply: Workshop is open to all engineering graduates and

those who have completed the course. Registration can be done by sending duly filled-up form in the prescribed format. Advance registration is necessary for reserving the seats. Forms can be downloaded from the website www.ietvm.org

Course Fee: Rs. 3500 /-

Mode of payment: By Cheque or DD in favour of "The Institution of Engineers (India) Kerala State Centre", payable at Thiruvananthapuram.

Course Coordinator: Er.P.A.Prabhakaran, (Retd. Chief Engineer), Department of Space- ISRO.

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**Kerala State Centre-
WEDNESDAY TALKS - Glimpses**

04-10-2017 Talk on 'Sasthravum Charithravum' by Prof.V.Karthikeyan Nair, Director, Kerala Bhasha Institute, Nalanda, Thiruvananthapuram.



11-10-2017 Talk by Er S.Venugopal, DGM, HLL Lifecare Ltd, Thiruvananthapuram on 'Lean manufacturing for manufacturers competitiveness'.



18-10-2017 Talk on 'Best Vehicle Performance by Efficient Driving Practices' by Er.Sudheesh A.S., Territory Head, Popular Maruti Driving School, Thiruvananthapuram.



25-10-2017 Talk on 'Climate Change, Global Challenges and Action Plans, Dr.M.Subramonia Iyer, Retd.Professor Kerala Agricultural University, Thrissur.



Examination Announcement

Winter 2017 Examination will be held during December 02-08, 2017 at the Centres as per the following programme.

Section A (Diploma) December 02-05, 2017

Section A (Non Diploma) December 02-08, 2017

Section B December 02-09, 2017

For more details: visit www.ieindia.org

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To



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