

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



The present team of office bearers is shortly completing 1st session in office. During Sept 19th & 20th, a National seminar on Geotextile Reinforcement was jointly organized with Department of Civil Engineering, Sarabhai Institute of Science & Technology .

At the National level, 697th (Special) and 698th Council meeting were held at Shimla on 23rd & 24th September.

Er. Sisir Kumar Banerjee has been elected as President of the Session 2017-2018. IEI Has opened one more Oversees branch in Nepal.

I take this opportunity to wish all of you a happy Pooja & Deepawali.

29-10-2017 70th Annual General Meeting at 4:30 pm. Notice and Details – Pages-2-7.
Public Meeting - Twenty-fifth Er.S.K.Sundaram Memorial Lecture at 5:30 pm.

Er. Sisir Kumar Banerjee, FIE to lead IEI for 2017-2018

The IEI Council at its 698th Meeting held at Shimla during September 23-24, 2017 elected Er. Sisir Kumar Banerjee, FIE as President for the Session 2017-2018. He will assume the office of the President in December, 2017 at the 98th Annual General Meeting at Chennai. IEI Kerala State Centre congratulates the President (Elect) and offers all support.



HONORARY SECRETARY'S DESK

Er. K. S. Udaya Kumar MIE

02-10-2017 World Habitat Day 2017 Celebrations. Theme 'Housing Policies: Affordable Homes'. Lecture by Er.P.A.Prabhakaran, Chief Engineer (Retd), ISRO, Department of Space, Govt of India 10.30 am.

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

14-10-2017 World Standards Day 2017 Celebrations.

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.



VOICE OF KERALA ENGINEERS

Attention Members

All Corporate Members of IEI, KSC are hereby informed that the News Magazine, 'Voice of Kerala Engineers' will be available on-line only at the website of IEI,KSC (www.ietyvm.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.

50TH ENGINEERS' DAY

The Institution of Engineers (India), Kerala State Centre observed the 50th Engineers Day on 15th September, 2017 coinciding with the 157th birthday of the great Engineer and Statesman, Bharat Rathna Sir M. Visvesvaraya at Visvesvaraya Bhavan, Thiruvananthapuram.

Er.P.Vijayachandran, Past Chairman, IEI, Kerala State Centre delivered the Engineers' Day lecture on the theme, 'Role of Engineers in a developing India'. Earlier, Er. N.Rajkumar, Chairman, IEI Kerala State Centre, garlanded the bust of



Er.P.Vijayachandran

Sir M.Visvesvaraya at IEI KSC premises, welcomed the gathering and introduced the speaker.

Er. K.G. Chandrasekharan, Past Chairman, IEI, KSC narrated the life sketch of Sir M.Visvesvaraya.

In his lecture, Er.P.Vijayachandran, pointed out that Sir M.Visvesvaraya was a visionary who spearheaded development in India. And now, make in India is going on well. According to him the standard of Indian Engineers is coming down due to the poor quality of Engineering education. Engineering education is now at crossroads. He appreciated the efforts of IEI KSC, in taking steps to guide young unemployed Engineers and those who have completed Engineering Course with backpapers.

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

Visvesvaraya Bhavan, Opposite Kanakakunnu Palace, Thiruvananthapuram-695033


NOTICE OF SEVENTIETH ANNUAL GENERAL MEETING

Notice is hereby given that the 70th Annual General Meeting of The Institution of Engineers (India), Kerala State Centre will be held on **Sunday, October 29, 2017 at 4.30 pm** at The Institution of Engineers Hall, Visvesvaraya Bhavan, Thiruvananthapuram to transact the business mentioned below. As a Corporate Member of The Institution of Engineers (India) attached to Kerala State Centre, you are requested to attend the meeting.

AGENDA

1. Welcome
2. Confirmation of minutes of the AGM held on October 30, 2016.
3. Approval of the Annual Report, 2016-2017.
4. Approval of the Audited Statement of Accounts, 2016-2017
5. Appointment of Auditor and to fix their remuneration.
6. Discussion, if any permitted by Chairman

Thiruvananthapuram
22-09-2017



Er. Udaya Kumar K.S.
Honorary Secretary

Programme

October 29, 2017

- 4:00 pm - Registration & Tea
04.30 pm to 05.15 pm - Annual General Meeting
05.30 pm - Public Meeting - Twenty-fifth Er.S.K.Sundaram Memorial Lecture.

Minutes of the 69th Annual General Meeting

Date & Time : 30th October 2016– 10.30 – 11.15 hrs.

Venue: The Institution of Engineers (India) Hall,
Visvesvaraya Bhavan, Thiruvananthapuram

The 69th Annual General Meeting was convened by Er. K.Sarat Kumar, MIE, Honorary Secretary, chaired by Er. V.Vijayakumar, FIE, Chairman, IEI Kerala State Centre and Er. Vijayamohanakumar S.R., FIE, Immediate Past Chairman, IEI, Kerala State Centre.

The meeting started with silent prayer.

1. Welcome

Chairman welcomed all the members to the 69th AGM and requested their full cooperation for smooth conduct of the AGM. One minute silence was observed in memory of all departed members. Chairman highlighted the major events and other developments in the Centre.

2. Confirmation of minutes of the AGM held on 31st October 2015

Honorary Secretary Er. K.Sarat Kumar presented the Minutes of the 68th AGM held on 31-10-2015 and it was passed after it was proposed by Er. N.Jayachandran, FIE, Past Chairman, KSC, IEI and seconded by Er. V.V.Sudhakaran, FIE, Immediate Past Chairman, Trichur Local Centre, IEI.

3. Approval of the Annual Report, 2015-2016

Honorary Secretary presented Annual Report for the period from 01-04-2015 to 31-03-2016 and it was passed by the AGM after it was proposed by Prof.P.O.J.Lebba, MIE, and seconded by Er. N.Hariharan, MIE.

4. Approval of the Audited Statement of Accounts 2015-2016

Honorary Secretary presented the audited statement of accounts prepared by M/s.Ratheesan & Co for the year ending 31st March 2016. It was passed by the AGM after it was proposed by Er. V.V.Sudhakaran, FIE and seconded by Er. T.Sreeprakash, FIE.

5. Appointment of Auditor and fixing their remuneration

The Auditor M/s.P.Ratheesan & Co. has agreed to audit during the financial year 2016-17 and requested Rs.40000/- as remuneration for the same. The proposal was placed in the 13th Committee Meeting of the Kerala State Centre for the sessions 2014-2016 of The Institution of Engineers (India) held on 10th September 2016. The committee decided to recommend M/s.P.Ratheesan & Co as the auditor for the Financial year 2016-17 for Rs.35,000 + Service Tax as given in the last year. It was approved by the AGM after it was proposed by Er. K.G.Chandrasekharan, FIE, Past Chairman, KSC, IEI and second by Er. J.Sankara Iyer, FIE, Past Chairman, KSC, IEI.

6. Election Report of Board of Scrutineers.

Er. V.Vijayakumar, FIE, Chairman, IEI Kerala State Centre presented the Election Report of Board Scrutineers.

Based on the Letter No.IEI-KSC-22-2016-17 dt 23.4.2016, the Board of Scrutineers consisting of Dr.V.Ganesan, FIE, Er.Nandan Menon S., MIE, Er. Subramonian R.K., MIE, Er. K.Ramanarayanan, MIE and Er.S.R.K.Rasalam, FIE took necessary action for Election of Corporate Members of IEI of Kerala State Centre for the sessions 2016-17 and 2017-18 as per Regulations stipulated for Election by IEI.

Notice for the Kerala State Centre of IEI Committee Election was published in the Voice of Kerala Engineers, June, 2016 issue and sent to all the Corporate Members. In this Notice, a Format of Nomination by the Proposer as well as the Agreement to serve in the Kerala State Centre Committee of IEI by the Nominated Engineer were published. The last date and time for receipt of the proposals by post was fixed as 5.00 pm on June 25, 2016.

The BoS completed the Election Procedures and submitted their report on 27-07-2016. But Er. R.Satheesh, FIE, (Environment Division) submitted a petition to the, SDG, Headquarters challenging the rejection of his nomination on technical grounds.

After obtaining a detailed report on the above petition from the BoS, Chairman, Kerala State Centre forwarded the same to the SDG. Thus SDG vide his letter dated 26.10.2016 directed that as

per provisions of Bye-laws and Regulations of IEI the President, IEI has issued the following Directions.

(a) Annual General Meeting of the Kerala State Centre shall be conducted on 30 Oct 2016 as already planned.

(b) The result of the election to the Kerala State Centre Committee for the session 2016-2018 shall be announced excluding Civil, Electrical, Environmental, Mechanical and Marine Engineering Division seats.

(c) Fresh elections are to be conducted for the vacancies that exist in the Civil, Electrical, Environmental, Mechanical and Marine Engineering Division seats immediately after the AGM based only on the nominations already received by the BOS for those Engineering Division elections and this shall be announced during the AGM.

Considering the above direction of the President, IEI excluding the five Divisions viz. Civil, Mechanical, Electrical, Environmental and Marine, the results of other Divisions were announced by the Chairman IEI Kerala State Centre as follows based on report of BoS.

Agricultural Engineering (One Vacancy)

Er. Roy Mathew

Architectural Engineering (One Vacancy)

Er. Binu S.

Aerospace Engineering (One Vacancy)

Er. Asok Kumar K

Chemical Engineering (One Vacancy)

Er. G. Madhu

Electronics & Telecommunication Engineering (Two Vacancies)

Er. N.T. Nair

Textile Engineering (One Vacancy)

Er. Bose A.T.

The following vacancies may be appropriately filled by Nominations by the Committee of the Kerala State Centre of IEI.

Nominations were not received for the following Engineering Divisions

- ✦ Computer Engineering – One Vacancy
- ✦ Electronics & Telecommunication Engineering – Remaining One Vacancy
- ✦ Metallurgical & Materials Engineering – One Vacancy
- ✦ Mining Engineering – One Vacancy
- ✦ Production Engineering – One Vacancy

The Chairman IEI, Kerala State Centre announced that the BOS was requested to conduct the election of 5 engineering divisions (Civil, Electrical, Environmental, Mechanical and Marine Engineering) as directed by President, IEI.

7. Installation of Chairman and Honorary Secretary

The 11th Committee Meeting of The Institution of Engineers (India) Kerala State Centre for the session 2014-2016 held on Sunday 29th May 2016 at The Institution of Engineers (India) Hall, Visvesvaraya Bhavan, Thiruvananthapuram elected Er. N. Rajkumar, FIE as Chairman, IEI Kerala State Centre and Er. K.S. Udayakumar, MIE as Honorary Secretary, IEI Kerala State Centre for the sessions 2016-2017 & 2017-2018

The Chairman, IEI Kerala State Centre Er. V. Vijayakumar requested Er. N. Rajkumar, FIE, and Er. K.S. Udaya Kumar MIE to take charge of the office of the Chairman and Honorary Secretary respectively. Er. N. Rajkumar, FIE, took charge as Chairman, IEI Kerala State Centre and Er. Udaya Kumar K.S., MIE as Honorary Secretary, IEI Kerala State Centre during the AGM.

Er. N. Rajkumar, FIE addressed the AGM and expressed thanks for the selection of both of them as the Chairman and Honorary Secretary respectively for the next two years and requested co-

operation from all members for the good performance of the State Centre.

8. Discussion, if any permitted by Chairman

It was discussed and decided to put up a new Name Board of IEI KSC in a new position in the front facing the road.

Honorary Secretary Er. Udaya Kumar K.S., MIE proposed vote of thanks to all the members who attended the meeting and the meeting came to a close at 11:15 am.

Sd/-
Er. Udaya Kumar K S
Honorary Secretary

Sd/-
Er. N. Rajkumar
Chairman

ANNUAL REPORT

For the period April 1, 2016 - March 31, 2017

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, 2016 - March 31, 2017 at the Seventieth Annual General Meeting of IEI KSC on this day the October 29, 2017.

1. Governance

Er. V. Vijayakumar FIE and Er. Sarat Kumar K., 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 2015-2016 after the 68th Annual General meeting held on 31st October 2015..

Er. V. Vijaya Kumar FIE	Chairman
Er. Sarat Kumar K MIE	Honorary Secretary
Er. Vijayamohanakumar S R FIE	Immediate Past Chairman & Council Member (Aerospace)
Er. M. P. Sukumaran Nair FIE	Council Member (Kerala State)
Er. Umasankar J MIE	Council Member (Electrical)
Er. R. Sivanandan FIE	Aerospace
Er. Udaya Kumar K S MIE	Agricultural
Er. Binu S MIE	Architectural
Er. Anurag Kamal AMIE	Chemical
Er. M. P. Eldhose MIE	Civil
Er. Vidya Sagar D P MIE	Civil
Er. K. G. Chandrasekharan FIE	Civil
Er. R. Purushothaman Nair FIE	Computer
Er. K. R. Suresh Kumar MIE	Electrical
Prof. (Dr.) M. Jayaraju FIE	Electrical
Er. T. Sreepakash FIE	Electronics & Telecommunication
Er. N. T. Nair FIE	Electronics & Telecommunication
Er. Mohanachandran Nair P MIE	Environmental
Er. K. Gireesh Kumar MIE	Marine
Er. K. S. Rajeev AMIE	Mechanical
Er. N. Rajkumar FIE	Mechanical
Dr. M. R. Suresh FIE	Metallurgy & Materials Science
Er. Chandra Sekar V MIE	Mining
Dr. M. K. Balakrishnan Nayar FIE	Production
Er. M. Ganesh FIE	Textile
Er. G. Narayanan FIE	Outstanding Engineer
Dr. V. Ganesan FIE	Outstanding Engineer
Dr. G. Madhu FIE	Chairman, Kochi Local Centre
Dr. S. Jose FIE	Chairman, Kollam Local Centre
Er. N. Ramakrishnan FIE	Chairman, Kozhikode Local Centre
Er. V. P. Kunhalan FIE	Chairman, Palghat Local Centre
Er. V. V. Sudhakaran FIE	Chairman, Trichur Local Centre
Er. S. Radhakrishnan FIE	Honorary Director, CERCON
Er. K. Ramanarayanan MIE	Editor, Newsletter
Er. S. R. K. Rasalam FIE	Convener, Library Committee

Er.N.Rajkumar FIE and Er.Udaya Kumar K.S., MIE took charge as Chairman and Honorary Secretary respectively at the 69th Annual General Meeting held on 30-10-2016.

Following are the State Centre Committee members elected for the session 2016-2018.

1	Er N Rajkumar FIE	Chairman
2	Er Udaya Kumar K S MIE	Honorary Secretary
3	Er V Vijaya Kumar FIE	Immediate Past Chairman
4	Er Sarat Kumar K MIE	Immediate Past Honorary Secretary
5	Er Roy Mathew MIE	Agricultural Engineering Division
6	Er Binu S MIE	Architectural Engineering Division
7	Er Asok Kumar K FIE	Aerospace Engineering Division
8	Dr G Madhu FIE	Chemical Engineering Division
9	Mr N T Nair FIE	Electronics & Telecommunications Engineering Division
10	Er Bose A T AMIE	Textile Engineering Division
11	Er R Satheesh FIE	Environmental Engineering Division
12	Er T R Krishnan FIE	Civil Engineering Division
13	Er N Hariharan MIE	Civil Engineering Division
14	Er G Velayudhan Nair MIE	Civil Engineering Division
15	Er K K Gopalakrishnan Nair FIE	Electrical Engineering Division
16	Prof (Dr) M Jayaraju FIE	Electrical Engineering Division
17	Er V Vijayachandran Nair MIE	Mechanical Engineering Division
18	Er Bobby George AMIE	Mechanical Engineering Division
19	Er P V Sasi Kumar FIE	Marine Engineering Division

The following Members formed part of the State Centre Committee after change of session in their capacity indicated against their names

1	Dr M P Sukumaran Nair FIE	Council Member - Kerala
2	Er N Paul George FIE	Chairman, Kochi Local Centre
3	Er P Rajendraprasad FIE	Chairman, Kollam Local Centre
4	Dr Mohanadas K P FIE	Chairman, Kozhikode Local Centre
5	Er A Kesavan FIE	Chairman, Palghat Local Centre
6	Er Damodaran V FIE	Chairman, Trichur Local Centre

The State Centre co-opted the following corporate members against the vacant seats as per the relevant Regulation in vogue.

1	Dr M R Suresh FIE	Materials and Metallurgical Engineering Division
2	Er R Purushothaman Nair FIE	Computer Engineering Division
3	Dr.M K Balakrishnan Nayar FIE	Production
4	Er.T.P.Raveendran MIE	Electronics and Telecommunication Engineering
5	Er.P.T.Ambujakshan MIE	Mining Engineering

The State Centre Committee after due consideration nominated the following Corporate Members as Outstanding Engineering Personalities to the Committee for the Session 2016-2018 as per the recommendation of the duly constituted Committee of three Past Chairmen-(Er.S.R.K.Rasalam, FIE, Er.S.Radhakrishnan, FIE and Er.V.Vijayakumar, FIE)

1	Dr Jayakumar FIE	Outstanding Engineering Personality
2	Er Vijayamohanakumar S R FIE	Outstanding Engineering Personality

The following Corporate Members were co-opted to the State Centre Committee under Regulation 3(d) for specific purposes –

1	Er K G Chandrasekharan FIE	Convenor, Land, Building, Liaison with Government Sub Committee
2	Er S R K Rasalam FIE	Convenor, Finance Sub Committee
3	Er S Radhakrishnan FIE	Honorary Director, CERCON & Student Affairs Sub Committee

4	Er Pullat Appu Prabhakaran FIE	Convenor, Skill Development Sub Committee
5	Er K Ramanarayanan MIE	Editor, Newsletter, Voice of Kerala Engineers
6	Er Vimal Prakash V MIE	Convenor, Membership Campaign Sub Committee
7	Er Subramonian R K MIE	Convenor, Intellectual Affairs & Programme Coordination
8	Er Nandan Menon S MIE	Convenor, Library, Liaison with Other Professional Societies
9	Er Mohanachandran Nair P MIE	Nodal Officer, Safety & Quality Forum

2. Appointment of Auditor

M/s Ratheesan & Co., Kunnumpuram, Thiruvananthapuram was appointed as Auditors for the Financial Year 2016-17 for a remuneration of Rs.35000/- and Service Tax.

3.Representation in Other Bodies

Kerala State Centre is included in the Panel of Arbitrators constituted by the Hon'ble High Court of Kerala.

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 Non-conventional Energy and Rural Technology (ANERT).

State Level Steering Committee for Technical Education Quality Improvement Programme (TEQIP).

Governing Body of Bureau of Indian Standards (BIS)

4.State Centre Committee Meetings

Five meetings of the State Centre Committee (11th to 13th committee) & (1st & 2nd Committee) for the session 2014-16, & 2016-18 were held during the period under report on 29-05-2016, 24-07-2016, 10-09-2016, 11-12-2016 and 05-02-2017. Minutes of the meetings and statement of accounts presented in the meetings were recorded and copies forwarded to the HQ after due approval of the Committee.

5.Sub Committees

Nine meetings of the Finance Sub Committee, Two meetings of Building, Land and Liaison with Government Sub Committee, One meeting of CERCON and Student affairs Sub Committee and Two meetings of Library, Liaison with Other Professional Societies, Intellectual Affairs & Programme Coordination Sub Committee.

6.Publicity

i) Monthly Newsletter 'Voice of Kerala Engineers'

Monthly newsletter 'Voice of Kerala Engineers' was published regularly with Er.V.Vijayakumar FIE as the Publisher, Er.K.Ramanarayanan MIE as Editor and Er.K.Sarat Kumar MIE as Member of the Editorial Board for the session 2014-2016 under the relevant provisions governed by Registrar for Newspapers of India during the period with a current circulation of 9580.

The Committee wishes to record its appreciation for the contributions of the Editor Er.K.Ramanarayanan MIE, those who supported with contents and the Printer M/s.Akshara Offset. Thiruvananthapuram. Print copy of Voice of Kerala Engineers is posted to all other State and Local Centres and also to the Council members. The e-version of the Voice of Kerala Engineers is also circulated to the Members through email

ii) Other Media

The State Centre publishes the details of programmes in Newspapers and other media. New generation publicity through SMS and Group mails are deployed for close interaction with members and well wishers of the Institution.

7.Library

During the period under report 20 books worth Rs.4277/-

purchased and 43 books received as donation were added to the stock. Total stock of books in the library is 2763. Regular subscriptions to Newspapers and important periodicals are also made by the State Centre.

8.Membership

The Membership of the Centre as on March 31, 2017 is given below and is compared with previous years.

Sl No	Type	2017	2016	2015	2014	2013
1.	Corporate					
	a. Fellow	1432	1382	1309	1269	1226
	b. Member	3751	3558	3405	3289	3189
	c. Associate Member	5721	5367	4952	4596	4268
	Total (AMIE, MIE & FIE)	10904	10307	9666	9154	8683
2.	Senior Technicians and Technicians	26306	25556	24664	23816	22662
	Grand Total	37210	35863	34330	32970	31345

As on 31-03-2017 there are 28 Engineering Colleges enrolled as Institutional Members (IM) under the Kerala State Centre.

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

Guidance classes were conducted for GATE (Civil, Electrical & Electronics, Electronics & Communication, Applied Electronics & Instrumentation and Computer Science).

The Institution of Engineers (India), Kerala State Centre undertook the consultancy work for Kerala State Textile Corporation and KSIE. This work has been carried out with the help of our Corporate Members.

10.Examinations

The AMIE Examinations (Summer 2016 and Winter 2016) for Sections A and B were conducted at the Centre in an orderly manner. Er.V.N.Rajan, FIE was the Officer-in-charge for the AMIE examinations.

Online Professional Engineers Examination was also conducted on 31-10-2016, 30-12-2016 and 29-12-2016. Er.R.K. Subramoniam MIE, was the officer in charge for the Professional Engineers examination.

11.Weekly Talks

Fifty technical /general presentations on various topics were made by eminent engineers, doctors, scientists and experts in management in The Institution Hall on Wednesdays during the period. The programmes were co-sponsored by IEEE, Aeronautical Society of India, Computer Society of India, Systems Society of India, Project Management Institute, INSARM and Society of Aerospace Manufacturing Engineers (SAME).

12.Renovation of Building and infrastructure

Electrical works were completed for modernization of electrical system in the Institution Hall during the period.

13.Conventions/Seminars/Workshop

Two numbers of two day seminars and one number of one day workshop were conducted during the period by IEI KSC.

a.Two Day All India Seminars

i). Two Day All India Seminar on "Futuristic Innovative Research In Mechanical Engineering"

ii). Two Day All India Seminar on "Emerging Trends in Smart Grid"

b.Workshops

i) One Day Workshop on 'Building up Societal Innovators'

14.Observation of Important Days

i) Electrical Safety Week

ii) World Telecommunication and Information Society Day – 2016

iii) World Environment Day Celebrations 2016

iv) Engineers' Day 2016

v) World Habitat Day 2016 Celebrations.

vi) World Space Week Celebrations 2016

vii) World Standards Day 2016 Celebrations

viii) Energy Conservation Day 2016

ix) World Water Day 2017

15.ISRO Scientists felicitated

The Institution of Engineers (India), Kerala State Centre felicitated five top scientists of Indian Space Research Organisation (ISRO) at a special public function held on March 29th, 2017 at IEI Hall, Visvesvaraya Bhavan, Thiruvananthapuram.

16.Other Important Events

i) Independence Day Celebration

ii) Republic Day Celebration

17.C.S.Padmanabha Iyer Memorial Lecture

The Institution of Engineers (India), Kerala State Centre conducted the 20th Er.C.S.Padmanabha Iyer Memorial Lecture on 15-02-2017 at Visvesvaraya Bhavan,Thiruvananthapuram.

18.Technology Day 2016 Celebrations

Technology Day was celebrated on 13-05-2016. A lecture on '3 D Printing and Materials' by Er. Prasanth David, Head, MakerCity, Thiruvananthapuram was held.

19.Technical Visit

The Institution of Engineers (India) Kerala State Centre conducted a two day technical visit to Hydro Electric Project at Moozhiyar dam and High Tech Dairy Farm, Kolahalamede on 9th and 10th of April 2016.

20.Summer Vacation classes for High School Students

Summer Vacation classes conducted for High School Students on fundamental theory and practice on assembly and testing of electronic devices.

21.Special Talk

Role of IEI in Engineering Education and Professional Development
The Institution of Engineers (India) is on a mission to create awareness among the student community, teachers and technologists on the role of IEI in Engineering Education and Professional Development. As part of this mission, Dr.Jitendra Saxena, Director, Education, Examinations & Accreditation (EEA), The Institution of Engineers (India), Kolkata visited IEI, Kerala State Centre, Thiruvananthapuram on March 17,2017 and conducted a presentation at IEI Hall,Visvesvaraya Bhavan, Tvm.

22.Publications

CD containing proceedings of Two Day All India Seminar on 'Engineering for Life' under the aegis of Interdisciplinary Coordination Committee, IEI in association with Department of Mechanical Engineering, Heera College of Engineering and Technology, Thiruvananthapuram.

23.Condolence Meeting

Sri.Natarajan, Staff of IEI Kerala State Centre, passed away on 6th May 2016. The Institution of Engineers (India), Kerala State Centre paid homage at a condolence meeting conducted on 11th May 2016 at Visvesvaraya Bhavan.

Dr.K.V.Valsarajan, FIE, Past Chairman (2002-2004), IEI Kerala State Centre, passed away on 10th June, 2016. The Institution of Engineers (India), Kerala State Centre paid homage at a condolence meeting held on 15th June 2016 at Visvesvaraya Bhavan.

24(1). 69th Annual General Meeting

The 69th Annual General Meeting of The Institution of Engineers (India), Kerala State Centre was held on 30th October, 2016 at Visvesvaraya Bhavan, Thiruvananthapuram.

24(2). Honouring of Veterans

The Annual General meeting was followed by a ceremony honouring IEI, Corporate Members of the age of 80 years and above, who were unable to attend the honouring ceremony on the 49th Engineers' Day.

24(3). 24th Er.S.K.Sundaram Memorial Lecture

The 24th Er.S.K.Sundaram Memorial Lecture was held following the Award distribution.

24(4). Societal Engineers Musical Performance

A Gala musical programme marked the end of the programme.

24(5). Awards

The following awards instituted by IEI, Kerala State Centre were distributed to meritorious students after the Annual general body meeting

The winners are:

i) Er. N.Jayakrishnan Nayar Award

To the best candidate of Section B Examination (Mechanical) (Year 2015) in Mechanical Engineering, appeared from the Kerala State Centre. **Winner: Mr. Bijay B.**

ii) Er.K.I.Idiuccla Award

To the best candidate of Section B Examination (Civil) (Year 2015) in Civil Engineering, appeared from the Kerala State Centre. **Winner: Mr. Siran C.**

iii) Er. Tom T Joseph Award

To the best Candidate of Section B Examination (Electrical) (Year 2015) appeared from examinations centres in Trivandrum and Cochin. **Winner: Ms. Jiss Maria Mathew.**

iv) Er. C.S.P. Iyer Endowment Awards

1. One Prize to the First Rank holder in M.Tech., Hydraulics Engineering from College of Engineering, Trivandrum. **Winner: Mr. Devarajan K.**

2. One Prize to the candidate who secured the highest marks in the subject 'Water Resources Systems Analysis' in M.Tech., from College of Engineering, Trivandrum. **Winner: Ms. Sruthi T.K.**

3. One Prize to the candidate who secured highest marks in Section A- Non-Diploma of the AMIE Examination (Year 2015) from among those who appeared at Kerala State Centre. **Winner: Ms. Athira E**

4. One Prize to the candidate who secured highest marks in Section A -Diploma of the AMIE Examination (Year 2015) from among those who appeared at Kerala State Centre. **Winner Mr Shinu Vincen.**

24(6). Award for Attendance

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

25. Local Centres

All the Local Centres in Kerala State (Kochi, Trichur, Palghat, Kozhikode and Kollam) excelled in technical activities during 2016-2017.

26. Financial Support from HQ

Apart from the regular grant, the State Centre received additional financial assistance from HQ for executing the various renovation works. (Rs.200000/- for Land and Building Grant). The Centre places on record its sincere thanks to the President and Council for their keen interest in the development of Kerala State Centre.

27. Lease Issue

A fresh Lease agreement was executed during March 2016 for 30 years with effect from 14 October 2009.

28. Election

Election to the IEI Kerala State Centre Committee for the Sessions 2016-17 to 2017-18 was held and the details given above.

29. IEI Safety and Quality Forum (SQF)

IEI Kerala State conducted an Exhibition of projects of Engineering College Students in connection with 49th Engineers' Day Celebrations on 31st August 2016 under the aegis of Safety and Quality Forum of IEI, Kerala State Centre.

30. Conclusion

The successful conduct of the activities during the year under

report was possible due to the guidance, help, support and whole-hearted co-operation from Corporate Members. 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 which is unique in the country.

We gratefully acknowledge the support received from State and Central Governments, Government Departments, PSUs, other non-Governmental organizations and Print and Visual Media for their support in conducting the activities of the Centre. We received whole hearted support from the State Committee Members, Conveners, Members of Sub Committees, Corporate Members and all the employees of the State Centre in carrying out the above programmes.

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 of HQ. We place on record our sincere gratitude to each member of the Institution and staff of this Institution also.

Sd/-
Er.N.Rajkumar, FIE
Chairman

Sd/-
Er.Udaya Kumar K.S., MIE
Honorary Secretary

AUDITORS REPORT

We report that we have audited the annexed Balance Sheet of The Institution of Engineers (India) Kerala State Centre, Thiruvananthapuram as 31st March 2017, signed by us under reference to this report and the relative Income and Expenditure Account for the year ended on that date which are in agreement with the books of accounts maintained at the Kerala State Centre, Visvesvaraya Bhavan, Opposite Kanakakunnu Palace, Thiruvananthapuram.

We have conducted our audit in accordance with auditing standards generally accepted in India. Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion and to the best of our information and according to the explanations given to us the Balance Sheet and the relative Income and Expenditure Account together with the Notes thereon and subject to the comments annexed (Annexure – II) give a true and fair view of the State of Affairs of the Institution of Engineers (India), Kerala State Centre, Thiruvananthapuram as on 31st March 2017 and the excess of income over expenditure for the year ended on that date.

Subject to the comments annexed (Annexure – II) we have obtained all the information and explanations which to the best of our knowledge and belief, were necessary for our audit.

Sd/-
Thiruvananthapuram,
23rd June 2017

Sd/-
for P. Ratheesan & Co.
Chartered Accountants

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2017							
2015-2016			INCOME	SCH NO:	2016-2017		
R&D	EDU	TOTAL			R&D	EDU	TOTAL
15,23,828.00	3,80,957.00	19,04,785.00	By Grant Received From Head Quarters	J	13,27,588.80	3,31,897.20	16,59,486.00
-	1,27,847.00	1,27,847.00	By Grant Received From Head Quarters For Student	K	-	1,01,151.00	1,01,151.00
2,87,500.00	-	2,87,500.00	By Receipts On Technical Activities	L	2,57,500.00	-	2,57,500.00
18,69,360.90	-	18,69,360.90	By Other Receipts	M	28,74,354.50	-	28,74,354.50
13,12,127.53	3,28,031.88	16,40,159.41	By Interest Received	N	12,43,119.80	3,10,779.95	15,53,899.75
49,92,816.43	8,36,835.88	58,29,652.31	TOTAL		57,02,563.10	7,43,828.15	64,46,391.25
2015-2016			EXPENDITURE	SCH NO:	2016-2017		
R&D	EDU	TOTAL			R&D	EDU	TOTAL
3,45,158.10	6,41,007.90	9,86,166.00	To Establishment Expense	A	4,04,967.96	7,19,943.04	11,24,911.00
1,625.88	3,156.12	4,782.00	To Staff Welfare Expense	B	204.00	396.00	600.00
2,60,214.40	65,053.60	3,25,268.00	To Office Expense	C	4,39,276.40	1,09,819.10	5,49,095.50
12,93,785.60	3,23,446.40	16,17,232.00	To Repair & Maintenance	D	4,43,734.40	1,10,933.60	5,54,668.00
2,71,935.00	-	2,71,935.00	To Expense For Technical Activities	E	3,86,050.00	-	3,86,050.00
3,06,803.00	-	3,06,803.00	To Printing For Other Technical Expense	F	3,24,024.00	-	3,24,024.00
1,24,678.00	-	1,24,678.00	To Meeting Expense	G	1,86,318.00	-	1,86,318.00
-	6,13,784.00	6,13,784.00	To Direct Expense For Continuing Education	H	-	9,59,749.00	9,59,749.00
4,14,644.83	1,03,661.21	5,18,306.04	To Miscellaneous Expense	I	6,15,146.67	1,53,786.67	7,68,933.34
19,73,971.62	-9,13,273.35	10,60,698.27	To Excess Of Income Over Expenditure		29,02,841.67	-13,10,799.26	15,92,042.41
49,92,816.43	8,36,835.88	58,29,652.31	TOTAL		57,02,563.10	7,43,828.15	64,46,391.25

BALANCE SHEET AS AT 31ST MARCH 2017							
Amount	LIABILITIES	Sch	Amount	Amount	ASSETS	Sch	Amount
`31-03-2016		No:	`31-03-2017	`31-03-2016		No:	`31-03-2017
266,25,747.86	Head Office Account	I	282,17,790.27	72,91,478.00	Fixed Asset	IV	73,63,853.00
7,05,514.00	Reserves & Surplus	II	7,05,514.00				
8,79,421.00	Current Liabilities & Provisions	III	4,97,421.00		<u>Current Assets, Loans & Advances</u>		
				28,199.00	Advances	VI	13,199.00
				208,91,005.86	Cash & Bank Balances	V	220,43,673.27
282,10,682.86	TOTAL		294,20,725.27	282,10,682.86	TOTAL		294,20,725.27

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

Three Day Training on Construction Management

Period of Training: In October 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.PA.Prabhakaran, (Retd. Chief Engineer), Department of Space- ISRO.

Address for Correspondence:

Er.Udaya Kumar K.S., Honorary Secretary,
The Institution of Engineers (India), Kerala State Centre, Visvesvaraya
Bhavan (Opposite Kanakakunnu Palace)Thiruvananthapuram-695033
Tel: 0471-2322991/ 2982102 Telefax:0471-2322992
e-mail: keralasc@ieindia.org / ietvm@gmail.com
web: www.ietvm.org
Mob: 9446004363

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

13-09-2017 Talk on 'Plastic Waste Management through Catalytic Pyrolysis' by Ms.S.B.Beena Chemical Inspector, Department of Factories and Boilers, Government of Kerala.



20-09-2017 Talk on 'Potable Water Management at Karumkulam Panchayath, Thiruvananthapuram' by Er.Anju K., AEE, Kerala Water Authority.



27-09-2017 Talk on 'Bamboo – A Green Geo-Textile Reinforcement' by Dr.P.M.C.Nair, Life Member, Bamboo Society of India.



ADDENDUM

In the 71st Independence Day Celebrations at IEI Kerala State Centre, Er.N.Hariharan, Committee Member, Er.P.A.Prabhakaran, Er.S.Kumar, Past Honorary Secretary, Er.S.Nandan Menon, Committee Member and Er. H. Dileep Kumar, Member of IEI KSC also participated.

RNI No. KERENG/2005/22207

Voice of Kerala Engineers

October 2017

To



If undelivered please return to:

The Institution of Engineers (India)

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

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Web: www.ietvm.org

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