



NOISTEKS

Newsletter of ISTE Kerala Section

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Chairman's message



Greetings from ISTE Kerala Section !

Let me wish all my fellow members a happy and prosperous new year ahead. The increasing competition and rapidly changing customer demands warrant

technologists and engineers to be continuously trained to meet challenges of new technologies. For technical education to be useful to these changing requirements, institutions have to propagate quality consciousness among the students to manage the competitive environment. Thus there is a great necessity for reforming technical education system in line with the needs and expectations of the community and business sector. Therefore, more emphasis has to be laid on quality improvement measures in the technical education system through adoption of proactive and innovative strategies. The two flagship programmes of Govt. of India "Make in India" and Skilling India" will have a direct impact on the technical education system in the country for meeting the global challenges posed by ever increasing and rapidly changing technological advances. One of the major concern in the present system is regarding the quality of teaching learning process and the acute shortage of qualified teachers which is essential to ensure the quality of the education offered. ISTE is a common platform to discuss and evolve progressive ideas and is organising number of programmes for the benefit of faculty and students with an objective to make the technical education offered in the country, the best in quality and content.

I know that the Institutions are busy with their academic activities. The chapter level office bearers are requested to plan activities with special emphasis on the teaching learning process and its improvement. I am also using this opportunity to congratulate all my colleagues for their support and co-operation extended for the successful conduct of annual conventions of students and staff for the year 2015.

Best wishes

K. Vijayakumar

A creative man is motivated by the desire to achieve, not by the desire to beat others.

Ayn Rand

ISTE National Convention

ISTE Kerala Section team attended National Convention at Amaravathi during 9 to 11th Jan 2016. A one day workshop was organized on Skill Development. Honourable Chief Minister Shri Devendra Fadnavis, Maharashtra inaugurated the 45th annual national convention on 9th January 2016. In his speech he stressed the need of quality improvement of technical education system in the country.



Team from Kerala with Organisers

National awards are distributed by Honourable Sri Nithin Gadkahari, Union Minister for Transport and Shipping. Sustainable development has become imperative and is accepted by global community. Technical education has to play a vital role in achieving the goal were excerpts from his address.



At Amaravathi The team from kerala

Coming up soon

Srinivasa Ramanujan Mathematical Competition on 12th March 2016
please check website for updates

ISTE Annual State Convention

The 26th ISTE Annual State Convention of Kerala Section" was held at Mohandas College of Engineering and Technology (MCET) on 21st November 2015. The theme of Convention was "Moulding Engineers for Make in India". Dr. Pratapsinh Kakasaheb Desai, President, ISTE was the chief guest who inaugurated the programme and highlighted the importance of improving the quality of engineering education in India to meet the growing demand in the global perspectives in his inaugural address. Dr. K. Vijayakumar, Director, DTE, Govt. of Kerala & Chairman, ISTE, Kerala Section presided over the function. Dr. K. Kesavasamy Global Head, Academic Interface Programme, TCS gave a keynote address on "Moulding Engineers for 'Make in India'". He emphasized on "Expanding the Engineering Community to make India a Manufacturing Hub". He suggested that an engineer should meet the qualities viz Application Ability, Communication & Team Work. Dr. S. Sheela, Principal, MCET gave the welcome address.



Dr Pratap Singh Desai Lighting lamp During Inauguration

Dr. Pratapsinh Kakasaheb Desai released the first copy of the Souvenir of the 26th State Annual ISTE Convention to Sri. G. Mohandas, Chairman VNGPM Trust. Sri. Kuriakose Secretary, ISTE Kerala Section presented the ISTE Annual Report followed by the distribution of ISTE awards to the institutions, faculty members and students. Dr. Ashalatha Thampuran Director, MCET gave the felicitation. Dr. Shalini A. Nair Chairman, ISTE MCET Chapter and Organizing Secretary proposed the vote of thanks. The ISTE SMC Kerala team including Prof PratapChandran Nair, Dr B Anil, Prof Shamsudeen, Dr C C Srejith, Prof T O Thomas, Dr Shalini S Nair and NC members Prof Rajan Nambiar, Prof CO Sunil Kumar, Prof Subai P and Prof Nidhi MB attended the convention.

The secret of getting ahead is getting started.
Mark Twain



Audience 26th ISTE convention at MCET



Invited speakers

Invited Lectures included "Role of Stakeholders in Institution Development" by Dr. B. Anil, Principal, GECBH, Trivandrum, "Technical Education in Kerala: Quality versus Quantity" by Dr. P.R. Sreemahadevan Pillai, Dean, Faculty of Engineering, University of Calicut, "Outcome based Education in the Indian Context" by Sri. V.A. Shamsudeen, Deputy Director, State Institute of Technical Teachers Training and Research, Kalamassery. During the afternoon session leadership camp for ISTE office bearers, Technical Paper presentation and Annual General Body was conducted.



In order to succeed, we must first believe that we can.
-Nikos Kazantzakis

ISTE Annual Student Convention

The 14th Annual State Convention of ISTE, was held at Government Engineering College, Thrissur on September 18 and 19, 2015, named Viviktha'15. This grand inter-college fest was built upon the theme "bridging the gap between rural and urban India through technology", which was inspired by the innovation strategy called PURA put forth by our former President, Dr. A P J Abdul Kalam.

Viviktha is a Sanskrit word for purity, implying the excitement of students, including workshops, seminars and a multitude of events. With more than 20 technical events and other general events, Viviktha'15 was indeed a grand inter college fest. Several engineering colleges and polytechnic colleges all over Kerala took part in the convention under the banner of ISTE. Viviktha'15 was chaired by Dr. K P Indiradevi, Principal of GECT. General convenor was Prof. C P Sunil Kumar and Navneet Vijay was the Student Convenor, Prof. Binoy B Balan being the Organising Secretary and Anees Rahman and Adhvaid J were other student representatives.

A national seminar was held at Government Engineering College, Thrissur, on September 11 2015, by Dr. RUPALI KHANOLKAR, Project Manager, RUTAG, Indian Institute of Technology, Bombay. The seminar, co-sponsored by KSCSTE, was based on the theme of the convention "Bridging the gap between rural and urban India through technology". The chief guest Dr. K Sivan, the Director of Vikram Sarabhai Space Centre by lighting the lamp in a packed auditorium. The inaugural function was attended by Dr. K P Indiradevi, Principal, Government Engineering College, Thrissur, Prof. C P Sunil kumar, program convenor, Prof. Binoy B B, organizing secretary, Prof. T Krishna kumar, Vice President, alumni association of GEC Thrissur, Dr. B Anil, Principal, Government Engineering College, Barton Hill, Prof. M M Kuriakose, Secretary of ISTE Kerala Section, Sri P Nandan, PTA President, Government Engineering College, Thrissur, Mr Navneet Vijay, Student Convenor of ISTE GEC Chapter and Mr Hari Krishnan Varma, College Union Representative.

"Religion to me is devotion to work and devotedly working is being religious." –Narendra Modi



Valedictory function



Overall winners

Dr. Ajith Prabhu, Director of KSCSTE, was the chief guest of the valedictory function of the convention. Other dignitaries including the Director of Technical Education Dr. Vijayakumar and Dr. K. P Indiradevi, Principal GEC Thrissur were also present. Prof. C.P Sunilkumar, General Convenor Viviktha'15 gave the welcome note. He congratulated all the prize winners and also the students who worked behind the convention in making it a huge success. Principal GEC, Thrissur Dr. K P Indiradevi presided over the function. Prof. M Nandakumar, Chairman, Programme Committee Viviktha'15, felicitated the prize winners and also the committee members of Viviktha'15. Student Convenor, Mr Navneet Vijay presented the report of the convention. The vote of thanks was given by Mr Anees Rahman, Secretary, ISTE GEC Students Chapter.

Suggested Activities

Apart from staff Training programmes, Invited Talks, Industrial Visits, Pedagogical Training, Microteaching sessions, Observance of various days such as Earth day, World Water day, Environmental day, National Technology day etc. **ISTE foundation day on 21st May 2016.**

ISTE Section Activities

ISTE Gec BH

An STTP on “**Design and Engineering**” was organized by ISTE Chapter GECBH from 29th -31st December 2015 in association with ISTE kerala section. The STTP was inaugurated by DTE, Dr.K.Vijayakumar, Chairman ISTE Kerala Section followed various other sessions. Kerala Technological University has introduced Design and Engineering in second semester of B.Tech course to make the students well versed in the design aspect of engineering.



ISTE chairman and DTE Dr Vijayakumar, Dr Asokan ,Prof IIT M and Dr B Anil, Principal Gecbh along with participants of workshop

A perspective of the course Design & Engg., was handled by Prof. V. Radhakrishnan (Former Dean, IIT Madras). Design Process & Design communication was handled by Sri. Kastoori Anirudhan and Smt. Lalitha (Design Tech). Creative Design was the key focus of Sri. Aaron Joseph George, CEO, ICTI. Human factors in Design for Design Engineering was taken by Prof. K.G. Nair (Former Principal, GEC Kozhikkode). Thinking out of the box was the key focus by Prof. P.B. Sugathakumar (Former Director, ANERT). Engineering the design was handled by Sri. N.T. Nair (Editor, Executive Lines). A session on IPR, Trademarks and Patents was taken by Dr. Ajith Prabhu (KSCSTE) which focussed upon the need for registering a patent in the context of design & engineering.

Start by doing what's necessary; then do what's possible; and suddenly you are doing the impossible.

Francis of Assisi

New Chapters of ISTE

Federal Institute of Science And Technology (FISAT), Angamaly

The ISTE Chapter at Federal Institute of Science And Technology (FISAT), Angamaly, was inaugurated on 9th of July 2015 by Shri.V.A. Shamsudeen, Deputy Director, State Institute of Technical Teachers Training and Research (SITTTR). Shri. Paul Mundadan, Chairman, FISAT presided over the function. Other dignitaries present were Shri P I Bose, Treasurer, FISAT, Dr.George Issac, Principal, Dr. C. Sheela, Vice-Principal, Dr. K.S.M. Panicker, Director ,Academics, Dr. Pailo Paul, Dean, Engineering Sciences, Dr. Sunny Kuriakose, Dean, Student Affairs.



From left to right: (1) Dr.Pailo Paul, Dean, Engineering Sciences, (2) Dr.C.Sheela, Vice-principal, (3)Dr.K.S.M.Panicker, Director, Academics, (4)Dr.George Issac, Principal, (5) Sri.V.A.Shamsudeen, Deputy Director, SITTTR, (6)Sri.Paul Mundadan, Chairman,FISAT, (7) Sri.P.I.Bose, Treasurer, FISAT, (8)Dr.Sunny Kuriakose, Dean,Student Affairs, (9)Benoy Abaham, Secretary, ISTE Chapter,FISAT

Sri Vellappally Natesan College of Engineering, Mavelikkara

The ISTE faculty chapter of Sri Vellappally Natesan College of Engineering, Mavelikkara was inaugurated by Mrs. Nidhi M B, National Executive Council Member, ISTE Kerala chapter, HOD, Department of Mechanical Engineering, Mar Baselios College of Engineering, Nalanchira, Trivandrum on 19th August 2015. Principal Dr.H.Ganesan gave the welcome note. In her inaugural address Mrs Nidhi highlighted role of ISTE chapter. The function was felicitated by Dr. Sreejith C C, State Management Committee member, ISTE Kerala section, HOD, Department of Mechanical Engineering,

“No amount of skilful invention can replace the essential element of imagination.”

— Edward Hopper

SAINTGITS College of Engineering, Kottayam. He encouraged to start the ISTE student chapter soon. Dr.D.Rajedran, Vice Principal also gave the felicitation. Vaisakh.Y, Assistant Professor, Department of Mechanical Engineering gave the Vote of Thanks and dedicated the function to Dr.A P J Abdul Kalam. The inaugural function was followed by a session on “Tools for Kerala Technological University, teaching learning process” by Mrs. Nidhi MB. She gave the importance of “Life long Learning”.

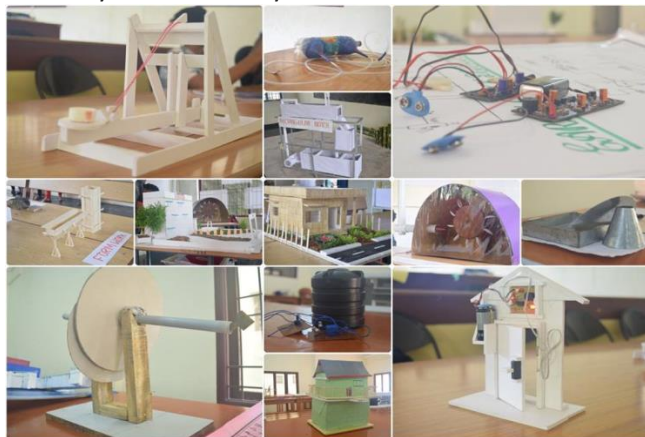


L-R : Dr sreejith CC Hod Me Saingits college of engg and SMC, Dr Ganesh Principal, SNVC, Nidhi M B, ISTE NC and A/HoD MED, MBCET

ISTE chapter Activities

TRINITY College of Engg

An exhibition of micro projects done by the students of Trinity College of Engineering, Thiruvananthapuram was conducted on 7th November 2015. It was organized by ISTE Faculty Chapter of Trinity College of Engineering. The micro projects done by the first year, second year and third year students were exhibited.



“Habit is the intersection of knowledge (what to do), skill (how to do), and desire (want to do).”

— Stephen R. Covey



The exhibition showcased the engineering talents of the students. Parents, well-wishers and all the faculty and staff of Trinity enjoyed the exhibition. Though all the displays were part of the micro projects, they were very informative, valid and innovative too. The enthusiasm and energy put by the students moulded to be the projects with more options for experiments.

Mar Baselios College of Engineering and Technology (MBCET)

As part of ISTE student chapter activities a chess competition conducted on 11/09/15. Students were informed about the event and rules with 3 set rounds on time bound basis. After the rounds winners were selected from the contenders and they were congratulated with ISTE certificates. Sachin of S3CE1 and B.P Krishna Ram of S3 CE2 emerged as winners out of various participants.



A session on Clean technology by Mr Murthy, Bosch Consultant

ISTE MBCET chapter organised a talk on clean technology on 25 Sept 2015. Mr. K P Murthy, Strategic Consultant, Bosch Limited was the resource person. The event was conducted for the first year students to give an insight to the importance of clean technology and its application in various fields. There was enthusiastic participation. The welcome address was delivered by Ms Nidhi M B, National executive council, ISTE and vote of thanks was delivered by Mr Amareesh, general secretary ISTE MBCET student chapter.

“The most complicated skill is to be simple.”

— Dejan Stojanovic.

ISTE KERALA SECTION AWARDS 2014-2015

- **Best Faculty chapter** - Vidya Academy of Science and Technology, Thalakkottukara, Thrissur .
- **Best emerging chapter** -Trinty College of Engineering Thiruvananthapuram.
- **Maximum number of variety of programmes**- Toc H Institute of Science & Technology Arakkunnam, Ernakulam.
- **Best chapter from polytechnic college stream** -SSM polytechnic college Tirur.
- **maximum number of new member** -SNMIMT Maliankara.
- **Best student chapter**- Government Engineering College Thrissur.
- **Student chapter with Maximum number of programmes** - MCET Thiruvananthapuram.
- **Student chapter with more number of INSPIRING Programmes** - GEC Barton Hill Thiruvananthapuram.
- **Special appreciation award for conduct of 13th Annual Student convention**- MBCET, Nalanchira, Trivandrum.

From the Editor's Desk

This **first issue** of the newsletter of the year 2016, covers news mainly ISTE convention details & chapter activities from various institution across the state.

We look forward for the active reporting from the chapters on the various activities.

Wishing all a Very wonderful and Blissful year ahead!

In this issue we introduce a column on change makers!

On behalf of ISTE Kerala section, I request you to share the email ids of members of your chapter to widen the reach of ISTE newsletters and update the Kerala section database.

We hope to include **more responses** and announcements in next newsletters as we faced space constraint in the present issue of Newsletter.

Thank you for the bearing with us!

Any further information regarding the chapter activities, Quotes, Suggestions/Corrections for Newsletter inclusions or matters to be published in newsletter may kindly be communicated over email: editor@istekerala.in or nidhi.iste@gmail.com.

"When I discover who I am, I'll be free."

— Ralph Ellison

Change Makers



Manoj Bhargava's project Billions in Change by now would have caught many attention aired as "Free electricity is coming".

Known to be the unconventional billionaire is an Indian American businessman and philanthropist of 2014 Forbes List of Billionaires. Bhargava owns 35% of 5-Hour's parent company; he pledged another 45% to charitable causes in poverty-stricken rural India. Among the designs that Stage 2 hopes to bring to market are a desalination machine that can fit inside a cargo ship container and process a thousand gallons of water per hour, and a hybrid bicycle with an output capable of powering a house for a day. **1 Hour** Time Bhargava dedicates to meditation every day, in his basement. **30 engineers** work at Stage 2 Innovations. Bhargava likes to hire "tinkerers," people who build things in their garages. **24 lightbulbs**, an electric fan, an iPhone and an iPad—all powered within minutes of Bhargava's cycling on the Free Electric hybrid bike. **90%** Amount of Bhargava's wealth that he has pledged to charity by signing the Giving Pledge—a program created by Bill and Melinda Gates. **6 months** Bhargava spent working as a taxi driver after college. Other former occupations include manual labor and accounting.

ISTE Chairman Bags Awards



DTE and former Principal GEC Thrissur Dr Vijay Kumar received Indira Gandhi NSS award for the Best directorate on 19th Nov 2015 at Rashtrapathy Bhavan. He has also taken charge as Dean (Engg) Kerala university 2015-17.

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Kindly forward the news items and photos to the editor

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