



NOISTEKS

Newsletter of ISTE Kerala Section

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Chairman's message



Greetings from ISTE Kerala Section!

A new academic year has begun with renewed hopes. This year marks the beginning of KTU initiative for new paradigm change in engineering education with much awaiting teaching learning process across the state. This academic year onwards the thrust on professional bodies like ISTE will be high in mentoring student and faculty exposure. Many new chapters are taking grand leaps through ISTE to trigger social technical know how and projects through various events and workshops. In this era of energy constrained world, ISTE appeal to all chapters to have mandatory clean technology clubs to inculcate eco-friendly technology adoptions and innovations. The Indian Deans Council Global Summit was hosted by ISTE which envisages promoting research in engineering education for churning a bright future for engineers of the country.

I am using this opportunity to remind each of you to contribute liberally to the building fund. Let us work together to make the ISTE staff training college a reality. At the outset of the new academic year, on behalf of Kerala section I wish all success.

Best wishes

K.Vijayakumar

Viviktha'15,
14th Annual ISTE Student Convention
Govt. College of Engineering, Thrissur

Theme:

Bridging the gap between urban and rural India through technological developments

Dates:

September 18 and 19

ISTE holds the First Indian Engineering Deans Council Global Submit 2015

The Indian Engineering Deans' Council (IEDC) and Indian chapter of Global Engineering Deans council is established under the umbrella of ISTE. This venture aims to keep abreast latest trends, innovative best practises at regional and global level and challenges of engineering education through this broad forum. The global submit of this nature was conducted for the first time in India by ISTE. The event had representations from 10 countries and leading academicians and administrative leaders of IITs, NITS, VCs, Principals, deans, senior faculty members, Industry representatives, and policy makers across the country. The theme of the submit was "Current scenario and future prospectus of technical education." The summit developed recommendations on the light of "Implementing Strategies for engineering education in India Towards 2025." The thrust areas included were strengthening governance, Improving teaching learning quality, Fostering strong industry and entrepreneurship with innovation in engineering education and in institutions.

Representation from Kerala Section



L-R: **Dr B Anil**(former chairman, Kerala section), **Dr K. Vijayakumar**(Chairman, Kerala section), **Dr Kuncheria P Isaac** (VC - KTU), **Mr. Subair P.** (EC Member), **Prof P T Rajan Nambiar**(EC member) and **Prof Nidhi MB** (EC member)

Dr KPI, VC KTU shared the aim of innovative concept "cluster" introduced in to the PG curriculum management. Dr B Anil chaired the technical sessions and Ms Nidhi MB presented technical papers on (1) An empathy based framework for ISR and (2) The role of Entrepreneurship on engineering education. Mr Jabir, JDT Islam Polytechnic Calicut presented paper on Building Innovation and Entrepreneurship in Engineering Education.

ISTE pays Tribute to the Great Academician of the time Missile man, Visionary Leader and Scientist
Dr A P J ABDUL KALAM.

Our heart felt condolences to the Great soul !

ISTE Kerala Section organised skill development workshops

ISTE Kerala Section organized one day workshop on Skill Development on 24th May 2015 at Trivandrum and on 25th July 2015 at SITTR, Kalamasesry. Main resource person was Mr. K. P. Murthy, Consultant Bosch, who has over 40 years of industrial experience in establishing Skill Development Centres. He was with BOSCH and currently assisting institutions and governments in Skill development activities. Mr. K. P. Moorthy focused on how ISTE can help institutions in developing Skill Development Centers on the sessions. The programme at Trivandrum was held at Hotel Windsor Rajadhani, in association with ISTE Chapter GEC Barton hill.



L-R : Dr B Anil (Former Chairman, ISTE Kerala Section), Mr. K. P. Moorthy (resource person), Dr.Ushakumari (Secretary, ISTE CET Chapter)

The workshop started with a silent prayer. Dr B Anil, Principal GEC Barton Hill and past chairman ISTE Kerala section chaired the meeting. He highlighted the need and role of effective use of infrastructure available in institutions for skill development to benefit the society. Ms. Nidhi M B (National Executive Council member ISTE and AHoD Mechanical Engg dept, MBCET) gave the welcome address. Vote of thanks was given by Dr. Shalini Nair, (SMC Member, ISTE Kerala section and Asst Prof. Bio technology, MCET). There was representation from 13 institutions across Kerala.



Session by Mr murthy in progress

"All of us do not have equal talent. But , all of us have an equal opportunity to develop our talents."

More than 50 participants attended the second workshop and the session was co-ordinated by Prof V A Shamsudeen. SITTR provided necessary assistance in conducting the workshop.

Mr. K. P. Moorthy during the sessions gave an insight on the advantages of skills like the use of bamboo and expert training in power tools in carpentry, Tiling, masonry, plumbing, etc. He also suggested clean technologies like rural refrigeration, preparation of activated charcoal etc. He underpinned on the 5Rs (Reduce, Recycle, Reuse, Refuse and Red cross). He urged for the formation of Clean Technology clubs in various institutions.

ISTE Chapter Activities

Faculty Induction Programme, GECBH

A Faculty induction Programme was organized in Govt. Engineering College Barton Hill, Thiruvananthapuram from 9th July 2015 to 11th July 2015 in association with ISTE Kerala section.

The programme was inaugurated by the Director of Technical Education, Dr. K. Vijayakumar (DTE, and Chairman ISTE Kerala section), Prof. Sheela S. welcomed the new faculty members. DTE congratulated the whole team behind this programme for taking such an initiative. Prof. P. Krishna Murthy Iyer and UG Dean Prof. N. Vijayakumar gave the felicitations. Prof.Sangeetha U, was the coordinator of the programme.



ISTE chairman and DTE Dr K. Vijayakumar inaugurating the Induction Training program

Twenty five (25) participants from various departments participated in this 3-days' programme. On the day one, Dr. P. Krishnamoorthy Iyer, Former Professor and HOD, EEE, CET took a session on Teaching and Learning aspects also a model for teaching and learning. Dr. AchuthShanker S. Nair, Director, Center for bio-informatics and Dr.B Anil, Principal GECBH handled sessions on the day.

"Be more dedicated to making solid achievements than in running after swift but synthetic happiness."

On the second day , Prof. M. Mahadevan (Former principal GECBH) gave a talk on “The Value System” and Dr. A. Sukesh Kumar(Former principal, GEC Sreekrishnapuram) spoke about the “Role of a teacher in Institutional Development.” Dr. N. Ashok Kumar, Ms. Nidhi M. B., and Dr. B. Anil handled microteaching Recording Session and Analysis. .



Participants of workshop with resource persons

On the third day, Dr. S. Ushakumari (Professor, CET), shared her views regarding the “Research Avenues” followed by a talk on “E-resources” by Prof. Nidhi M.B. This is followed by a feedback session.



Valedictory function

The programme concluded with a Valedictory Session Dr. Ashaletha Thampuran(former Principal, CET) was the Chief guest. She inspired the participants on “What is a teacher, teaching as a skill and how to develop the teaching skill” in her valedictory address.

Mohandas College of Engineering and Technology (MCET)

ISTE MCET organised one week faculty induction programme from 11th May to 16th May 2015 (6 days). Dr. K P P Pillai, former Principal of Govt Engineering College Kannur & College of Engineering, Trivandrum inaugurated the Programme and delivered the key note

“Man needs difficulties in life because they are necessary to enjoy the success.”

address on Excellence in Teaching. 27 faculty members from MCET participated in the programme.

The resource persons included 3 in- house faculty and 5 invited speakers. The emphasis was on innovative practices in teaching, Teacher team working for instructional excellence, innovative teaching methodologies, Role of teachers as mentors, Responsibilities of teachers, understanding adolescence and yoga.



Dr A Shalini, delivering welcome address. Dr. K P P Pillai and Dr. Ashalatha Thampuran in the dais



Participants of FIP

Microteaching sessions were conducted in which each participant demonstrated class room teaching. A group of senior faculty and peers evaluated their performance. This was recorded and projected and each faculty was asked for self-evaluation. Corrective actions as suggestions for improvements were shared. The participants’ feedback was collected. The program was highly interactive.

ISTE MCET Chapter in association with KSCSTE conducted National Technology Day in MCET on the theme “Recent Advances of Technology in Technical Education” on 11th May 2015. Dr. K. P. P. Pillai,

“If you want to shine like a sun. First burn like a sun.”

former Principal of Govt Engineering College Kannur & College of Engineering, Trivandrum was the chief guest for the inauguration and delivered the keynote address.



Dr. K P PPillai, former Principal of Govt Engineering College Kannur & College of Engineering, Trivandrum addressing the gathering.

Dr. K. R. Lekha, Scientist EII & Head, WSD, KSCSTE gave a special Lecture on “Science & Technology Development- A National level Initiation”. Afternoon session was used to conduct technology games such as software debugging, hardware debugging, robotics, talent in the field of tall structure construction.

Mar Baselios College of Engineering and Technology (MBCET)

- The Department of Mechanical Engineering, MBCET has conducted a Short Term Training Program on RECENT ADVANCES IN MECHANICS sponsored by ISTE Kerala Section from 8th June 2015 to 12th June 2015. Dr. B. Anil, former chairman, ISTE [Kerala Section] and Principal GECC BH inaugurated the program.



Dignitaries at Inaugural session

CONGRATS to ISTE CHAIRMAN

Dr. K. Vijayakumar was nominated as Dean of faculty of Engineering & Technology, University of Kerala



Participants of Workshop

The focused areas were Non Linear Vibrations, Perturbation Techniques, Mechanics of Biological Composites, Design of Composite Structures, Analysis of Complex Mechanical Systems. Sessions were handled by resource persons namely, Dr Anup S (IIST), Mr BibinBalam (Amritha School of Engineering), Dr Ramesh Kumar (Rtd. ISRO), Ajith K Mani (Research Scholar, NIT-C).

- The Department of Mechanical Engineering, Mar Baselios College of Engineering and Technology along with ISTE chapter organized a Short Term Training Programme on Fundamentals of Hydraulic Machines and Heat Engines Lab from 2nd June 2015 to 6th June 2015. The programme was inaugurated by Dr. TM George, Principal MBCET.



Co-ordinator of workshop Mr Deepak delivering welcome address



Participants

“All Birds find shelter during a rain. But Eagle avoids rain by flying above the Clouds.”

Trinity Engineering College (TEC)

ISTE Faculty Chapter of TEC, Thiruvananthapuram organized a two-day workshop on MATLAB Based Embedded System Design Using Arduino on 27 & 28 FEBRUARY 2015. 21 Faculty members from Department of EEE and ECE participated. The Programme could develop the knowledge of Faculty for simulation with MATLAB in the relevant field and Arduino programming and hardware implementation for inculcating learning values in students and guiding and monitoring their progress.



Participants of FDP

Mr. Lineesh A. S., Assistant Professor of EEE dept., welcomed and introduced the guests to the gathering. The workshop was inaugurated by the resource person Mr. Indulal Sreedhar, Associate Professor, College of Engineering Trivandrum. During his inaugural speech he briefed about the objectives and scope of the workshop and explained the importance of Arduino. Dr. Mary Mettilda Rose V, Principal in-charge, Trinity College of Engineering delivered the Presidential Address. In her speech, Dr. Mary Mettilda Rose V. outlined a brief idea of MATLAB and Arduino.

On 03 March 2015 Shona J Kappan, HOD,ECE Dept delivered a talk on “Basic Elements of a Satellite”.

On 27 March 2015 Vijimol V. K., HOD, ECE Dept spoke on “Submarines-The Monster of Deep”.

On 30 March 2015 Jimmy Bentex, HOD ME Dept gave a talk on “MEP industry”.

On 07 April 2015 Geetha K, AP Civil Engg. Dept. gave a talk on “Water Leakage in Buildings”,

On 16 April 2015 Linimol Ansalam A. V., AP EEE Dept spoke on “Substation Components and Operations”.

On 23 April 2015, Vipin Gopan, AP ME Dept spoke on “Are Standardised tests killing Creativity in Technical Education”

On 04 May 2015, Anu S Narayan, AP ECE Dept gave a lecture on “Stratellite”.

On 11 May 2015 the National Technological Day Celebrations-were concluded with TECHBUZZ 2K15. Different technical competitions such as Paper Plane (EC), CAD Design (ME), Circuit Design (EE), Bridge Building (CE) were conducted and winners were honoured with mementos and it was given away by the Chief guest of TECHBUZZ 2K15-Dr.UTS Pillai, Senior Principal Scientist, Materials Science & Technology Division, CSIR, Trivandrum.

Thejus Engineering College

The International Conference on Emerging Trends in Engineering and Technology (ICETET 2015) was a jointly organised by Thejus Engineering College and ISTE Faculty Chapter (KE071) in association with ISTE Kerala Section. The IDES group technically supported it.



L-R: Dr.Kuncheria P Issacinaguarating the international conference, Prof. C.P. Sunilkumar, Dr. M. P. Sukumaran and Dr. K. Satheesh Kumar

Dr.Kuncheria P Isaac, Vice Chancellor of Kerala Technological University was the Chief guest. The keynote address was made by Dr. M. P. Sukumaran Nair, former MD of Travancore-Cochin Chemicals Ltd, former special Secretary to the Chief Minister, Professor C.P. Sunilkumar, ISTE National Executive council member, Dr. K. Satheesh Kumar, Principal of

“Don’t take rest after your first victory because if you fail in second, more lips are waiting to say that your first victory was just luck.”

“Failure will never overtake me if my determination to succeed is strong enough”.

the College and Sri. Babu Jose K Administrator of the College spoke on the occasion and Ms. Praseeja A.V the conference coordinator proposed vote of thanks.



Paper presentation during international conference

The selected papers are published in the Research Publishing Services RPS Online and are indexed in Cross Ref. They are also submitted to the major indexing services like EI, ISI Web of Science, DBLP, IET and Scopus. The conference was organised on 23rd and 24th of April, 2015. Prof. Dr. Gylson Thomas was the convener and Ms. Praseeja AV, Asst. Professor of Civil Engg. was conference coordinators.

ISTE Students Chapter Activities

MBCET Students Chapter

- ISTE MBCET chapter organised poster contest on 24th July 2015 on the theme LIGHT. Co-ordinated by Ms Anna S5EEE, Mr Amareesh S5EEE and Ms amrita and Ms Sneha of S5 CS. The winner's art work is selected for publishing in the forthcoming college Magazine. the winning teams are Ms Rakhi Js and Ms Sareen of S5EEE and Ms Ganga and Ms Nandhini of S5 EEE.

Trinity Students Chapter

- ISTE chapter along with EEE Dept association ELATZ on 04/02/15 conducted technical Quiz competition. On 06/02/15 Civil Dept. conducted technical quiz competition. On 11/02/15 ECE Dept. association TECA conducted quiz technical competition and on 12/02/15 ME Dept. association MATRIX conducted technical quiz competition and the winners of each department had a grand finale as part of the National Science Day celebrations on 09/03/15.

"You have to dream before your dreams can come true".

Toch Institute of Science and Technology chapter

- ISTE TIST organized a Technical Talk on Latest Trends in Automobile Sector on 29 January 2015. Mr. James, Technical Engineer from Mahindra & Mahindra delivered the talk.
- ISTE TIST organized a two day state level workshop on "Android Application Development" in association with ICTAK & ISTE STUDENT CHAPTER on 23rd to 24th January 2015 which was taken by Mr. Rogen Abraham and Mr. Sibin E A, Software Engineers, Cabot Technology Solutions Pvt. Ltd Kochi. 50 students and 10 faculty members attended the workshop. From the session the students got an idea about introduction about XML and Java and main building blocks of Android App Development Widget, Layout, and Composite etc.

26th Annual State Convention
Mohandas College of Engineering
Trivandrum
7th November 2015
Theme:
Moulding engineers for Make in India

From the Editor's Desk

This **second issue** of the newsletter this year, covers news mainly from ISTE chapter of various institution across the state. This issue covers Indian engineering deans council global submit 2015 held for the first time in India under ISTE initiative.

This issue of newsletter is especially dedicated to the Great Soul and have used the special quotes in each page by Dr AP J Abdul Kalam, to pay reverence to the great visionary and inspirer.

Apologies for not incorporating some if the news reported from chapters because of space constrain in the current newsletter.

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

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.

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