



NOISTEKS

Newsletter of ISTE Kerala Section

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Chairman's message



Well begun is half done! Congratulations to College of Engineering, Trivandrum. The curtain raiser for the 44th Annual National Convention of ISTE was a grand success. The launch of website, release of convention flyer and release of Convention Brochure were done in the most befitting manner. As you are aware, the theme of the convention is "Shaping Technical Education to meet the Challenges Beyond 2020." Thanks to the support from AICTE, the convention will have a separate session on Skill development. The involvement from research institutions such as VSSC, LPSC, EMC, ANERT etc., and ONGC are also expected in the convention. I request all chapters in Kerala Section to proactively involve in the conduct of the convention. I am sure that the participation in the convention will be an all-time record this year.

The ISTE-WPLP workshop on Industry - Institute Interaction awareness conducted at CET was also a impressive attainment considering the fact that 30% of the participants were from industry. A similar workshop for polytechnic college teachers is planned at Curriculum Development Centre, Kalamassery shortly. We also plan to conduct leadership training programme to office bearers of chapters. I request all chapters to involve fully in this activity for furthering their activities. Some of the chapters celebrated the ISTE Day on 21st May. However due to the university examinations and vacations, the activity was not well attended. I request all chapters to organise orientation programmes during the month of June to induct more members. Steps may also be taken to enhance the chapter activities of both faculty chapters and student chapters. It is better to make an activity plan for the whole year. The office bearers may visit the websites of ISTE Head Quarters (isteonline.in) and Kerala Section (istekerala.in) regularly to get the updates. It is time to claim chapter share from Headquarters. The chapters may forward activity report and audited statement of accounts along with list of members and claim form to the headquarters not later than July.

I may also remind that the elections to ISTE National Council and State Management Committee will be held this year. Active members should take initiative in contesting the elections and take up the reins of the chapters and section. Wish you good times ahead..!

B. ANIL

13th Annual Student Convention

Mar Baselios College of Engineering (MBCET)

Nalanchira, Trivandrum, 29-30th August, 2014

**Theme: Innovation and Entrepreneurship
for Sustainable Future**

44th Annual National convention flyer release and website launch, at CET

College of Engineering, Trivandrum (CET) will be hosting 44th ISTE Annual National Convention 2014 from 27th - 29th November 2014. The theme of conventions is "Shaping Technical education to meet Challenges beyond 2020." The website for the 44th Annual National Convention 2014 was launched at the Principal's chamber on 17th March 2014, by Dr. Basil Gnanappa, Executive Secretary ISTE.



Website launch at CET on 17th March by Dr Basil Gnanappa



Flyer release at CET on 17th March 2014

The Flyer for the programme was released on the same day by Dr. S. Sheela, Principal CET and was received by Dr. Basil Gnanappa. AICTE Member Secretary Dr. Kuncheria P. Issac, Dr. B. Anil (Principal, Govt. Engineering College, Wayanad and ISTE Kerala section chairman), Organising Committee Secretaries Dr. Ushakumari, Associate Professor, Electrical and Electronics Department, CET and Dr. G. Chandramohan, Director, CET School of Management, ISTE Kerala News letter Editor Ms. Nidhi MB, APME, MBCET and organizing committee members were present for the function.

"When you know better you do better."

— Maya Angelou

ISTE Foundation Day Celebration

Mar Baselios College of Engineering and Technology (MBCET)

ISTE MBCET chapter celebrated ISTE foundation day with a session on **Moulding Budding Engineers into Competent Professionals** on 21st May 2014. The resource person was Prof. P. N. Mohan, HOD CE MBCET. Ms. Nidhi M. B., (Chairman, ISTE MBCET chapter and SMC member, ISTE Kerala Section) delivered welcome address with speaker introduction and detailed the formation of ISTE. Ms. Yamuna (Treasurer, MBCET-ISTE chapter) delivered vote of thanks. Dr. Sakuntala Pillai (Dean, R&D, MBCET), Prof. Paul Thomas (Dean PG, MBCET) presided the function. Office bearers of student chapter, faculty chapter, teaching, and non-teaching staff were among the 31 participants who attended the event.



NEW ISTE Chapter

Government Engineering College Kozhikode

Dr. B. Anil, (Principal GECW, and Chairman ISTE Kerala Section) inaugurated ISTE GECK student chapter. He emphasised the importance and benefits of becoming an ISTE member. The theme of function was selected as Pi as part of international Pi day celebration on 3rd March 2014. Prof. A. Achuthan, former Dean of Calicut University delivered the key note address.



Life isn't about getting and having, it's about giving and being.
—Kevin Kruse

Principal Smt. (Dr.) Byju Bhai presided over the function and Dr. Sajith Kumar (Mechanical Dept.), Prof. Noufal (Civil Dept.), Dr. Joymon Joseph (Applied Science Dept.) and Amal P. S. (College students' union Gen. Secretary) felicitated the function. Mr. Krishnaraj M., ISTE Student chapter chairman (S6 Chemical Engineering) made the welcome speech and Athira C. of S6 chemical engineering, expressed vote of thanks.

As the part of Inaugural function, ISTE chapter conducted a 'LINE-FOLLOWER' (Robotics) competition in the campus. The team of students including Arun Babu, Arun, Abhinav and Anjali from S4 Applied Electronics & Instrumentation engineering department bagged the 1st prize.

ISTE Chapter Activities

College of Engineering Trivandrum (CET)

College of Engineering Trivandrum chapter organized a one day National workshop on Industry - Institute Interaction awareness programme on 23 May 2014 under ISTE-WPLP. The workshop focused on bridging the gap between the industry and academic institutes. There were 140 participants for the workshop including Management Representatives, Head of Institutions, and Placement Officers, and Administrators, senior working professionals from the industry, Faculty, and students from Technical Institutions.



Inauguration of ISTE-WPLP National workshop

Dr. R. Murugesan, President ISTE inaugurated the workshop. Dr. S. Sheela, Principal, College of Engineering Trivandrum welcomed the guests. Dr. S. Ushakumari, Professor, Department of Electrical Engineering, CET (Coordinator, National Workshop on Industry – Institute Interaction), gave a deep insight about the Workshop. The inaugural function was presided by Dr. J. Letha, Director of Technical Education – Kerala State. Dr. S. Basil Gnanappa, Executive Secretary, ISTE felicitated and honoured the achievers of National level Srinivasa Ramanujan Mathematical Competition Prize Winners 2013 and faculty members who secured PhD from the institution during the year 2013-14. Dr. B. Anil,

Definiteness of purpose is the starting point of all achievement.
—W. Clement Stone

Chairman, ISTE Kerala Section, offered felicitations in the function. The inaugural function concluded with a vote of thanks by Mrs. Sini V. Pillai, Assistant Professor, CET-School of Management.



Release of the brochure of 44th Annual National convention (From left: Dr. S. Sheela Principal, CET, Dr. R. Murugesan, President, ISTE new Delhi, Dr. S. Basil Gnanappa, Executive Secretary ISTE, New Delhi, Dr. B. Anil, Chairman ISTE Kerala Section (Principal GEC Trivandrum), Dr. S. Ushakumari, Professor, (Coordinator, National Workshop on Industry – Institute Interaction), Department of Electrical Engineering, CET)



Participants of ISTE-WPLP on Industry-Institute Interaction at CET.

The resource persons for the workshop were Shri. Sivakumar, Director, Kerala State Productivity council, Dr. T. P. Sreenivasan, Vice Chairman and Executive Head of Kerala State Higher Education Council, Mr. P. Ganesh, former Chairman, CII Kerala State council and Mr, Pranav Kumar, COO, Start-up Village. The sessions ended with a panel discussion and vote of thanks by Ms. Linda Susan, Assistant Professor, CET-SOM.

44th Annual National Convention
College of Engineering Trivandrum
 27th-29th November 2014

**Theme: Shaping Technical education to meet
 Challenges beyond 2020**

Mar Baselios College of Engineering and Technology (MBCET)

ISTE MBCET chapter organised workshop on Latex using the spoken tutorial of IITB project on 25th April 2014. Ms Aswini .B (Asst. Prof. IT), Ms. Elizabeth B (Asst. Prof. IT), and Ms Nidhi M B (Asst. Prof. ME) were the coordinators of workshop. There were 27 participants including students and faculty.



Latex workshop at MBCET under IITB Spoken Tutorial Project

ISTE Students Chapter, MBCET, organized a CATIA workshop on 3D Designing and Solid Modelling on 27th March 2014. 15 second year students from various branches attended the familiarization workshop. Mr Shaun Sam Mathews and Mr Nithin Mohan A.S., (S4 ME) demonstrated and explained the methods of working on CATIA Environment the students. An introduction to CATIA and its use, along with basic drafting and modelling tutorials, were presented to the students. The students were also made aware about 3D modelling and its application in complex designing.

Announcement

- Faculty Induction Program at Mohandas College of engineering, Trivandrum, during 2nd to 6th June 2014. Organised by ISTE – MCET chapter.
- Department of Electrical & Electronics Engineering, Jyothi Engineering College, Cheruthuruthy is conducting an ISTE SRM Sponsored National Level Short Term Training Programme (STTP) on “Power System Control Using Power Electronics” during 16th - 21st June 2014
- The Department of Mechanical Engineering, MBCET, Trivandrum is organizing a two day National Conference on “Futuristic Trends In Mechanical Engineering “on 22-08-14 & 23-08-14. Last date for paper submission: 30/06/2014, more details at www.ncft14.com
- **QUERENCIA 2014 - 13th ISTE annual state Student Convention of Kerala section, at MBCET.** www.querencia2014.com

Admit your errors before someone else exaggerates them. ~Andrew V. Mason

Profile of an Engineering Teacher



Dr. S. Anil Lal, Professor, Department of Mechanical Engineering, College of Engineering Trivandrum.

A graduate of Mechanical Engineering from University of Kerala, (TKM College of Engineering, Kollam). He obtained M.Tech. (Turbo machines), and PhD

from IIT Madras. His Training and Research exposure include Nuclear Science and Engineering (1987-1988), Babha Atomic Research centre (1988-1992). Dr Anil Lal has won number of awards like Best researcher of the year award by CERD, Govt. of Kerala (2011), Best teacher award of ISTE-CET chapter for the year (2009 & 2010). He has won national first prize in ISTE-SRMC mathematical competition 2013. He was instrumental in establishing the Centre of Excellence in Computational Fluid Dynamics at College of Engineering Trivandrum. An ardent researcher, he has produced two PhDs and currently supervising 7 students in PhD research. He has to his credit more than 75 publications (including 4 books and 18 International Journal publications). Dr. Anil Lal has completed 2 RESPOND projects, 2 CERD research projects and 3 consultancy projects (the total worth more than Rs.100 lakh). He has coordinated several workshops and has served as resource person to a number of short term programs. He is life member in professional bodies like Indian Society for Technical Education, Indian Society for Heat and Mass Transfer, Combustion Institute of India and Aero Society of India.

Suggested Activities

Staff Training programmes, Invited Talks, Industrial Visits, Pedagogical Training, Microteaching sessions, Competitions, Health Awareness Programmes, Energy awareness programmes, Extra Mural Lectures, Meet the innovator programmes, Observance of various days such as Earth day, World Water day, June 5th Environmental day etc.

Tips for Effective Teaching

- Positive and creative Learning Climate
- Review lecture objective(s)
- Use a case study or problem-solving activity
- Make a provocative statement to encourage discussion
- Use a videotape or other media
- Engage the learners
- Relate the topic to a real-life experience
- Be a facilitator and know the interest of learner
- Lifelong learning

25th ISTE Annual State Convention

Jyothi Engineering College

Trissur, October 2014

PRIZE WINNER ISTE- SRMC 2013



Mr. Anil Kumar R. D., M. Tech student (Propulsion Engineering) of College of Engineering Trivandrum. He secured 2nd position in zonal level and 7th position in national level.

Responses

*Dear Nidhi.....very good work !!

- **Dr Sreekanth**, Assoc.Prof MBCET.

*I have been working as faculty adviser of student chapter in MES College of Engineering Kuttippuram. I am getting your mails regularly. – **Nizar Ahamed**

*Dear Ms. Nidhi, Good work. Truly appreciable. Regards,

-**R.S. Praveen Raj**, Scientist, CSIR-NIIST, Trivandrum

*Good Morning Nidhi ,

Thanks for the mail and the first edition of the newsletter. Wish this venture all success.

Best Regards , **Mr.V. Sankar**, Toast Master Club.

A man must be big enough to admit his mistakes, smart enough to profit from them, and strong enough to correct them. - John C. Maxwell

From the Editor's Desk

This **second** issue of the newsletter of the year 2014, covers news mainly on 44th annual national convention, newly formed chapter, ISTE chapter activities and foundation day deliberations in various institution across the state. **We look forward for the active reporting from the chapters on the various activities.**

We regret the correction on typo error on year of the column on Eminent professor Dr KK as 2014 instead 2004 for completing his PhD in March newsletter 2014.

We 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.

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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Kindly forward the news items and photos to the editor

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