

Indian Society for Technical Education



Vol. XXXVII, No. 2

Monthly

February, 2017

visit us at : www.isteonline.inEmail : istedhq@vsnl.net

46th ISTE NATIONAL ANNUAL CONVENTION & NATIONAL CONFERENCE at Gulzar Group of Institutes, Khanna, Ludhiana (Punjab) on 10th, 11th & 12th February, 2017

The 46th ISTE National Annual Convention and National Conference was held at **Gulzar Group of Institutes, Khanna, Ludhiana (Punjab)** during **10th, 11th & 12th February, 2017**. The theme of Conference was **Intelligent Technologies for Better Tomorrow**. The Convention was inaugurated by Prof. Anil D. Sahasrabudhe, Chairman, All India Council for Technical Education, New Delhi and delivered the inaugural address. For the inaugural ceremony Prof. N.R. Shetty, Chancellor, Central University, Karnataka; Prof. Dr. G.D. Yadav, Vice Chancellor, ICT Mumbai; Prof. R. Murugesan, Former President, ISTE; Prof. K. Manivannan, Vice President, ISTE; Prof. B.R. Sarmah, Vice President, ISTE; Prof. T.S. Indumathi, Treasurer, ISTE, ND; Shri S. Gurcharan Singh, Chairman, Gulzar Group of Institutes; Prof. Dr. Buta Singh, Dean, MRS STU, Bathinda; Prof. Sardara Singh Johal, VC, Central University, Bathinda; Shri V.B. Handa, Former District and Session Judge; Shri Harkirat Singh, Trustee, Gulzar Educational and Charitable Trust; Er. Gurkirat Singh, Convention Co-Chair; Dr. M.P. Singh Ishar, VC, MRS STU, Bathinda; Dr. Vijay Athavale, Campus Director; Dr. Honey Sharma; Dean Academics; Prof. Birinder Singh Bedi, Director, GCE; Er. Sanjay Arora, Director Planning and Development; Mr. Iqbal Singh Bhatia, Director Operation; Prof. R.S. Rathore, Director and Regional Officer AICTE Chandigarh; Dr. D.S. Hira, Chairman, ISTE Pb. Chd., HP &

J&K Section; Er. Kanwar J.S. Gill, Dean (Research & Development) and Prof. Vijay D. Vaidya, Executive Secretary, ISTE were present on the dais.

The Presidential address was delivered by Prof. Pratapsinh K. Desai, President, ISTE. Er. Gurkirat Singh, Convention Co-Chair delivered the welcome address. Shri S. Gurcharan Singh, Chairman, Gulzar Group of Institutes felicitated and honoured the guests for their presence in the Convention. Prof. Anil D. Sahasrabudhe, Chairman, AICTE released the Convention Souvenir for the Convention. The conferred of Hon. Fellowship to the six eminent dignitaries and National Award distribution ceremony was also done by the dignitaries on the dais followed by the vote of thanks by Shri S. Gurcharan Singh.

The Keynote address was delivered by Prof. Dr. G.D. Yadav, Vice Chancellor and R.T. Mody Distinguished Professor, Institute of Chemical Technology, Mumbai on the theme **Sustainable Production of Chemicals, Fuels and Energy from Biomass** on 10-2-2017. Dr. PSR Sastry Anvesha, Project Director, Defence Research and Development Organisation (DRDO) delivered the expert talk and presented an overview of Guided Missiles.

The National Executive Council Meeting was held on 10-2-2017 at 4.00 p.m. where the Council members attended the meeting.



Releasing of Convention Souvenir by the Chief Guest Prof. Anil D. Sahasrabudhe, Chairman, AICTE and the eminent dignitaries on the dais.



Felicitation to Prof. Anil D. Sahasrabudhe, Chairman, AICTE, New Delhi by the President, ISTE Prof. Pratapsinh K. Desai on behalf of ISTE.

46th ISTE NATIONAL ANNUAL CONVENTION

Dr. Vilas S. Sapkal, Former Vice-Chancellor, Rashtra Sant Tukadoji Maharaj Nagpur University, Nagpur; Chairman All India Board of PG Education and Research in Engineering and Technology of AICTE, New Delhi delivered the 35th ISTE Karnataka Convention Commemorative Lecture on the topic **Technological Interventions to Meet 21st Century Challenges of Sustainable Development** on 11-2-2017.

Prof. (Dr.) Omkar Nath Mohanty, Director, Technology & Academic Initiative, RSB Metaltech, RSB Group and former Professor, IIT Kharagpur delivered the Tamilnadu & Pondicherry Section Convention Commemorative Lecture on 11-2-2017.

Prof. (Dr.) R. Natarajan, former Director, IIT Madras and Former Chairman, AICTE, New Delhi delivered an expert lecture on the stream and fuel users and interacted with students and emphasized the value of Engineering Education.



Felicitations to Dr. N.R. Shetty, Vice Chancellor, Central University, Bangalore and former President, ISTE by Prof. Pratapsinh K. Desai, President, ISTE



Felicitations to Prof. Dr. G.D. Yadav, Vice Chancellor, Institute of Chemical Technology, Mumbai by Prof. Pratapsinh K. Desai, President, ISTE

Prof. (Dr.) Nitin Ghatpande, Ex-Director, ISRO Satellite Centre, Bangalore gave his expert lecture on **Mars Mission** and shared his views among the students and delegates.

Dr. Virinder Kumar, Director, Development & Educational Unit (DECU), Ahmedabad shared his rich experience on **Space Technology Applications for National Development**.

ISTE Annual General Body meeting was held in the evening of second day where all ISTE Members were presented during the meeting. Prof. Pratapsinh K. Desai, President, ISTE chaired the meeting along with the office bearers of ISTE on the dais.

The Valedictory ceremony was held on 12-2-2017 where Prof. Pratapsinh K. Desai, President, ISTE; Prof. B.R. Sarmah, Vice President, ISTE; Prof. Vijay D. Vaidya, Executive Secretary, ISTE; Dr. Buta Singh Sidhu; Prof. T.S. Indumathi, Treasurer, ISTE was graced the occasion. The convention was witnessed a positive response from VIPs, delegates and participants. Shri S. Gurkirat Singh, Executive Director, GGI proposed the vote of thanks.



Award distribution by the Chief Guest and the dignitaries on the dais.



Felicitations to Prof. (Dr.) R. Natarajan, former Director, IIT Madras and Former Chairman, AICTE by the eminent dignitaries on the dais.

APPRECIATION

We wish to express our sincere appreciation and thanks to the Management, Chairman, Director & Organising Secretary, Convenors of various committees, staff both teaching & non-teaching and students of Gulzar Group of Institutes, Khanna, Ludhiana (Punjab) and ISTE functionaries for the excellent arrangements during the 46th ISTE National Annual Convention during 10-12 February, 2017. We also express our gratitude to all the delegates, invitees and all concerned for the success of this convention.

Executive Secretary, ISTE

ISTE FELLOWSHIP AT A GLANCE



QUOTE FOR THE MONTH

Simple principle of life. Never think I have nothing. Never think I have everything. But, always think I have something and I can achieve anything.

WIT AND WISDOM

- The worst thing in life is attachment, it hurts when we lose someone. The best thing in life is loneliness, we get everything when we find someone.
- Smile will be complete when it begins in your heart, reflects in your eyes and ends with a glow on your face.
- Time is an asset to be managed more carefully than money. Try to spend it with the people who wish to share your dreams, desires and destiny.
- Successful people have two things on their lips. Silence and Smile. Smile to solve problem and Silence to avoid problem.
- Life is a trip, The only problem is that it does not come with a map. We have to search our own routes to reach our destination.
- Words are free to use. But may prove to be very costly if misused. No one can touch words, but words can touch anyone's heart.
- Always take extra care of three things in life - Promise, Friendship and relationship, because they do not make noise but when they break they create silence.
- Life is a circle of happiness, sadness, hard times and good times. If you are going through hard times, have faith that good times are on the way.
- It does not matter how slowly you go as long as you do not stop.

— Confucius

- The care and attention that you get from others is a gift of your own character.
- Keep away from those who try to belittle your ambitions. Small people always do that, but the really great make you feel that you too can become great.

– Mark Twain



ACTIVITY FOR THE MONTH

TOPIC FOR DISCUSSION

Indian Space Technology - Achievements

All the Chapters/Student Chapters may conduct Seminars/Workshops on the above topic and send the recommendations to the Headquarters for the needful.



PRESIDENT'S COLUMN

Promotion of Alternative Delivery Systems



The World Declaration on Education for All (EFA) adopted in last decade of 20th Century gave further boost to the various processes already set in motion in the country. As the analysis presented in the document demonstrates, the last decade of the century has witnessed tremendous progress in the area of basic education in the

country. Yet, it is realized that the journey is not yet over. The school system has expanded multifold at all levels during the last five decades. Yet it is difficult to conclude that the system has been able to meet the educational needs of all. This is particularly true of the elementary education sector where it is recognized that a single track approach of formal primary schooling will not help achieve the national goals in a speedy manner. The school education programme has to look beyond the rigid formal framework in a flexible and adaptive fashion. Part-time formal or non-formal education, seasonal learning centres for the children of migrant labor, voluntary schools by NGOs, post primary 'open' learning system, the camp approach for adolescent girls, etc. will have to be systematically promoted. The non-formal education programme that has been in operation in many parts of the country with support from the central government has been a mixed bag of success and failure. While the programme has been effectively implemented by many NGOs, the state sector could not show expected results. Nevertheless, the last decade has witnessed the emergence of alternate models for implementing the programme in a local specific manner. Lessons from these efforts along with the experience gained in the NGO sector will be used to reformulate and strengthen the programme of non-formal education.

Open learning system (OLS) will form an important dimension of the efforts during ninth plan to reach school education to all. OLS at the school level will be strengthened for providing education from the elementary stage and above to meet the needs of those who are unable to seek education through full time institutional system, with assured equivalence with institutional learning in terms of certificate, degree, etc. Scope of the OLS channel will be expanded to bring more academic and vocational areas into its fold and cater to a larger student

population from various segments of the population both in school and adult education sectors. The focus of the adult education programmes will be two-fold. While the post-literacy and continuing education needs of the neo-literates will be taken care of through provision of opportunities for self-directed learning, equivalency programmes based on open schooling, job oriented vocational education and skill development programmes, a fresh momentum will be given to basic literacy programmes. This is essential in order to take care of the backlog of non-literates viz., those who are the dropouts and left-outs of the literacy campaigns and those out-of-school children who constitute new accumulations to the adult illiterate population.

Beginning with the Operation Blackboard Scheme to equip all primary schools with at least a minimum level of infrastructure and human resources, last decades also witnessed major initiatives in the area of quality improvement. It is recognized that quality improvement has a significant impact not only on enrollment and retention of children in the school but also on the possibilities of further education for increased productivity and exercise of citizenship rights and responsibilities. The task of quality improvement will be pursued through:

- qualitative improvement in content and process of education;
- reorientation and strengthening of teacher education, both pre-service and in-service;
- provision of appropriate infrastructure facilities;
- focusing on strengthening the institutional management processes; and
- establishing a reliable system of learner assessment.

Studies on the subject have highlighted the need for a more direct action to be initiated at the school level in a need based manner. Keeping this in view, efforts should be made to strengthen and improve the quality of teaching-learning processes. The focus will be on streamlining the regular management practices within the school giving a direction to school development processes through 'institutional planning and monitoring mechanisms.' This is to be coupled with adequate locally based support services in pedagogic as well as planning and management dimensions.

Prof. Pratapsinh K. Desai
President, ISTE

NEWS FROM ISTE FACULTY CHAPTERS

GUJARAT

- **B.V.M. Engineering College, Vallabh Vidyanagar** conducted International Conference approved by ISTE and sponsored by TEQIP on **Research and Innovations in Science, Engineering and Technology** on February 17-19, 2017. 320 papers were accepted for presentation and publication. Around 300 peer reviewed papers were presented during 5 parallel sessions of each track. More than 500 delegates attended the three days conference and took advantage of the same. The conference was inaugurated by the Chief Guest Prof.(Dr.) Navin Sheth, Vice Chancellor, GTU and Dr. K. Manivannan, Vice President, ISTE was the Guest of Honour. Dr. C.L. Patel, Chairman, CVM and also the President of the event; Dr. Ahmet Oztas, President, ISHIK University, Iraq; Dr. S.G. Patel, Hon. Secretary CVM; Er. V.M. Patel, Hon. Jt. Secretary, CVM; Dr. Indrajit N. Patel, Principal BVM and Conference Chair; Dr. J.M. Rathod, Organising Secretary had graced the event with their presence on the dais.

The Valedictory function was held on 19-2-2017. The Chief Guest of the function was Prof. Pratapsinh K. Desai, President, ISTE and the Guest of Honour was Dr. Dhaval Patel, IAS, Collector, Anand Dist. Dr. Ahmet Oztas, President, ISHIK University, Iraq; Dr. Ranjith Dissanayake, Sri Lanka; Mr. Manish Kothari, Rheno Engineering; Dr. Indrajit N. Patel, Principal BVM and Conference Chair; Dr. A.K. Verma, Dean R&D and Conference Co-Chair and Dr. D.G. Thakore, Coordinator, TEQIP II were graced the occasion.



Dignitaries during the inauguration of International Conference and releasing the Conference Proceedings.



Felicitations to Prof. Pratapsinh K. Desai, President ISTE during the function.

MAHARASHTRA & GOA

- **Vidyalankar Educational Campus, Mumbai** conducted International Conference on **Recent Advances and Challenges in Engineering and Management (RACEM-2016)** during December 2016. Dr. Anil Kakodkar, Former Chairman, Atomic Energy Commission and Satish Chavan Chair of Engineering Eminence at BARC was the Chief Guest and Dr. Sulabha Ranade, Director General of SAMEER was the

Keynote speaker of the programme. Valedictory Function was graced by Prof. Vijay D. Vaidya, Executive Secretary, ISTE. In his address he elaborated the various activities of ISTE and explained the importance of industry generated projects and internships for faculty and students. Mr. Abinav Mishra, Co-Founder, Value3-Advisory, Vienna, Austria and Alumni of VIT was the Guest of Honour of the Valedictory Function. The prizes & certificates also distributed to the winners of best paper presented from each session.



Releasing the Conference Proceedings by the Chief Guest.



Certificate distribution by Prof. Vijay D. Vaidya, Executive Secretary, ISTE to the participants during the Valedictory Function.

PUNJAB, CHANDIGARH, H.P. & J&K

- **Guru Nanak Institute of Management & Technology, Ludhiana** organised one day workshop on **Human Values** on 28-2-2017. Mr. Vinay Kehar, Internal Resource Centre for Universal Human Values and Ethics, IKGPTU was the Resource Person for the workshop.
- **Shaheed Udham Singh College of Engineering and Technology, Tangori, Mohali** organised one day **Faculty Interaction Programme** on 14-2-2017. Dr. Glenwood Irons, Vice President, Canadian College of Ayurveda and Yoga was the resource person. Dr. G.S. Dhaliwal, Chancellor, Guru Kashi University, Talwandi Sabo, presided over the function.



Dignitaries on the dais during the inaugural session of programme.

NEWS FROM ISTE FACULTY CHAPTERS

KARNATAKA

- **Vivekananda College of Engineering and Technology, Puttur** organised three days Faculty Development Programme **JNANA 2017** from 24th to 26th January, 2017. Dr. Naresh Kumar, Principal, MIT Mysore inaugurated the programme. Dr. Pruthviraj, NITK Surathkal delivered the technical talk.



Inauguration of Faculty Development Programme.

TAMIL NADU & PONDICHERRY

- **K.L.N. College of Information Technology, Sivagangai, Pottapalayam** organised the Open House Project Exhibition 2017 on 10-1-2017. The Chief Guest of the function was Mr. N. Sivasubramanian, Chief General Manager (Retd.), ISRO Trivandrum and delivered the inaugural address. Shri G.R. Radhakrishnan, Joint Secretary offered felicitation for the successful conduct of the exhibition.



Inauguration of Open House Project Exhibition.

- The Chapter also organised a special lecture programme on **Staff Development** on 14-2-2017. Dr. A.S.S. Sekar, Professor & HOD, Civil Engg. Dept. delivered the lecture and Dr. J.S. Gnanasekaran, Principal presided over the function.



Dignitaries on the dais during the Lecture programme.

- **Nandha Engineering College, Erode** organised one day National Level Seminar on **Solar Thermal Cooling System** sponsored by ISTE TN&P Section on 21-2-2017. Thiru V. Shanmugan, Chairman, Sri Nandha Educational Trust presided over the function. The Chief Guest Dr. P. Selvakumar, Assistant Professor, Mech.Engg. Dept., Kongu Engg. College delivered his technical lecture.



Dignitaries on the dais during the seminar.

- **Valliammai Engineering College, SRM Nagar, Kattankulathur** organised an expert lecture on **Next Generation Network** for U.G. Students on 6-2-2017. The resource person was Dr. T. Subashri, Assistant Professor, Anna University, Chennai.



Dr. T. Subashri addressing the participants.

TELANGANA

- **Nalla Narasimha Reddy Education Society's Group of Institutions, Hyderabad** organised one week Faculty Development Programme on **Engineering Graphics** from 30-1-17 to 4-2-2017. Dr. C. Kameshwar Rao, Ex. AGM, BHEL delivered the lectures and the programme was coordinated by Shri T. Pavan Kumar, Secretary, ISTE Chapter.



Dignitaries and delegates during the FDP.

- **Mother Teresa Institute of Science and Technology, Sathupalli, Khammam (Dist.)**, organised National Level Technical Symposium **Y-Brains 2016** on December 24-25, 2016 sponsored by ISTE Telangana Section.



Dignitaries on the dais during the inauguration of the technical symposium.

NEWS FROM ISTE STUDENTS CHAPTERS

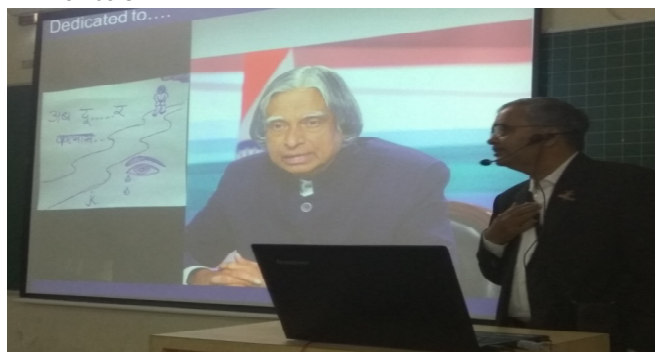
GUJARAT

- **Atmiya Institute of Technology & Science, Rajkot** organised a technical event **Ultratech Sparkling Star** on 10-2-2017. The Chief Convener of the programme was Dr. G.D. Acharya, Principal, AITS and Convener was Prof. Mayank M. Parekh, Civil Engg. Dept., AITS.



Lecture session during the technical event.

- The Chapter also organised a guest lecture on **Satellite Technologies** by Shri Jayant P. Joshi, Ex-Scientist/Engineer, Space Application Center, ISRO on 11-2-2017. The lecture was coordinated by Prof. Dhaval Vora (EED) and his team members.



Guest Lecture by Shri Jayant P. Joshi on "Satellite Technologies".

MAHARASHTRA & GOA

- **Marathwada Mitra Mandal's College of Engineering, Pune** organised Intra-College Quiz Competition **Quiz-On-2k17** on 24-1-2017. The competition was conducted by Quiz Master Mr. Pranav Joshi. The prizes and certificates were distributed to the winners during the function.



Dignitaries and students during the inauguration of the programme.

- **K.K. Wagh Institute of Engineering, Education & Research, Nashik** conducted a State Level Elocution Competition **"Vijigisha"** on 20-1-2017. The Coordinator Mr. Swanand Bedarkar represented the judges and briefed

about the competition. Dr. K.N. Nandurkar, Principal briefed about the different activities of ISTE Chapter. The Chief Guest for the Valedictory function was Dr. Vinayak Govilkar, Senior Economist from Nashik. The prizes were distributed by the Chief Guest. Prof. Prajakta Vispute, Faculty Advisor and the student volunteers was the Coordinator of the programme.



Dignitaries on the dais during the inauguration of the programme.

- **Saraswati Institute of Technology, Kharghar, Navi Mumbai** organised Project & Model Competition on the theme **Ecofriendly Technologies for Sustainable Development** on 28-2-2017 and celebrated National Science Day. Ms. Apurva Sawant, Civil Engg. Dept. gave lecture on National Science Day. The programme was coordinated by Mrs. Supriya Chavan along with other staff members. The programme was concluded with the prize distribution ceremony.



Student winners and staff during the Project & Model Competition.

TAMIL NADU & PONDICHERRY

- **EBET Group of Institutions, Kangayam, Tirupur** organised Motivational Programme for the first and second year engineering students on 18-2-2017. The Chief Guest of the programme was Er. K. Parivallal, Purundurai; Dr. P. Govinthasamy, Director of EBET presided over the function.



Dignitaries and students during the inauguration of the programme.

NEWS FROM ISTE SECTION

TAMIL NADU & PONDICHERRY

- 4th ISTE TN&P Section Annual Polytechnic Faculty Convention and National Seminar on **Fostering Skill Development Through Technical Educational Institutions** was jointly organised by ISTE TN&P Section and Thiagarajar Polytechnic, Salem on 30-12-2016. Dr. V. Karthikeyan, Principal of the College and Joint-Secretary, ISTE TN&P Section welcomed all the guests and the gathering and delivered the welcome address. Dr. A.K. Natesan, Chairman, ISTE TN&P Section inaugurated the Convention and delivered the inaugural address. Dr. R. Murugesan, Former President, ISTE and former Vice Chancellor, Anna University, Madurai delivered the Special Address. Dr. K. Manivannan, Vice President, ISTE felicitated the gathering. Dr. A. Samson Ravindran, Vice Chairman, ISTE TN&P Section offered felicitation. The Chief Guests of the function was Mr. Tosher G. Hormusjee, Founder & Director, GUSTI, Bengaluru and Dr. M. Bhaskaran, Vice Chancellor, Tamil Nadu Open University and delivered their address. Sri C. Valliappa, Hon. Chairman, Thiagarajar Polytechnic delivered the Presidential Address. The Vice Chairman Sri Thyagu Valliappa also delivered the address. The Chief Guests then released the proceedings of the Convention in the form of e-souvenir. The copies were received the dignitaries.



INAUGURATION OF ISTE CHAPTERS & STUDENT CHAPTERS

TAMIL NADU & PONDICHERRY

- Nandha College of Technology, Erode** ISTE Students Chapter was inaugurated on 28-1-2017 by Dr. M. Krishnan, Assistant Engineer, Tamilnadu Water and Drainage Board, Erode as Chief Guest. The Chapter also organised Industrial Seminar on **Optimization in Engineering** on the same day.



Dignitaries & students representatives on the dais during the inauguration of ISTE Students Chapter.



Industrial Seminar at a glance.

- Sree Sakthi Engineering College, Karamadai, Coimbatore** ISTE Faculty Chapter was inaugurated on 7-2-2017 by the Chief Guest Dr. J. Arivudainambi, ISTE EC Member TN&P State and Professor & Head, Dept. of Aeronautical Engg., Adhiyamaan College of Engineering, Hosur and delivered the inaugural address. Dr. A. Sridevi, Associate Professor delivered the welcome address.



Chief Guest Dr. J. Arivudainambi delivering the inaugural address.

Only sharp and well focussed photographs with ISTE Logo and Banner in the background shall be considered for publication.

Editor

Annual Polytechnic Faculty Convention of ISTE TN&P Section at a glance.

Note : ISTE does not assume any responsibility for the information furnished and views expressed by the individuals.

Editor & Publisher : The Executive Secretary, ISTE

on behalf of Indian Society for Technical Education, New Mehrauli Road, New Delhi - 110016

Printed at Print Process, 50, DSIDC Complex, Okhla Indl. Area, Phase-I, New Delhi - 110 020