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ISTE STUDENTS LEADERSHIP PROGRAMME 2010 in association with Students Platform for Engineering Education Development (SPEED)

SPEED, Students Platform for Engineering Education Development is the global non-profit students organisation that functions as an interdisciplinary network of engineering students, who aspire to provide opinion and create an impact on future development of engineering education.

As an unique initiative, ISTE in association with SPEED organised 3 workshops during December 2010. The first workshop was organised parallelly during the 40th National Annual Convention of ISTE at Mepco Schlenk Engineering College, Sivakasi during December 2-4, 2010. The second workshop was organised at Jayam College of Engineering and Technology, Nallanur, Dharmapuri during December 9-11, 2010 and the third workshop was organised at Mahendra Engineering College, Mallasamudhram from 13-15, December 2010. These workshops were focussed on the theme **Mentoring for Innovative Engineering**.

During the Annual Convention at Mepco Schlenk Engineering College, Sivakasi, the ISTE-SPEED workshop was inaugurated by Prof. P.N. Singh and Shri K.P. Murthy. The programme was coordinated by Prof. P. Oliver Jayaprakash. The guest lecture on **Leadership Programme** delivered by Shri K. Pandiarajan, HR

Consultant and CEO, Ma Fai Ranstand (India & Srilanka) was also organised during the programme.

At JCET, Nallanur, Shri M. Ramesh, Chairman of JCET inaugurated the workshop. Speaking on the theme Emmanuel Echeverriar of Mexico has appealed engineering students to become social engineers. He also said that mere graduation would not be enough for the students for their future endeavours. The students should continuously upgrade themselves in their respective streams of learning. Academics Lyz Caunt from Mexico and Fedrico Sarviya of Lisbon University, Portugal gave advice on how to upgrade their engineering skills. Prof. A.R. Sugumaran, Chief Administrative Officer, JCET presided over the workshop. Principal G. Tholkapiya Arasu and SPEED Vice President Mahalakshmi Chockalingam also spoke on the theme of the workshop.

The workshop organised at Mahendra Engineering College, Mallasamudhram during 13-15, 2010 was inaugurated by Prof. N.R. Shetty, President, ISTE. During his address, he said that engineering students had more responsibility to the world and its development based on sustainable growth.

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Emmanuel Echeverriar Technocrat and Academic trainer from Mexico, addressing the students at JCET, Nallanur in Dharmapuri



Prof. N.R. Shetty, President, ISTE addressing the faculty and students at Mahendra Engineering College, Mallasamudhram.

STILLS FROM THE 40th ISTE NATIONAL ANNUAL CONVENTION 2010



Prof. R.S. Nirjar, Guest of Honour addressing the delegates.



Award presentation during the inaugural function.



Prof. Deepak B. Pathak delivering the Keynote address.



ISTE-KIIT National Award for Best Technical University presented to JNTU, Hyderabad.



IEDC/India Chapter of GEDC Meeting during the Annual Convention.



Delegates and audience at a glance.



Cultural programme at a glance.



Fire works display during the Annual Convention at Sivakasi

Civil Engineering Education

As the technological revolution expands, the world's population increases, and environmental concerns mount, Civil Engineering skills are needed throughout the world. Whatever area one chooses, i.e. design, construction, research, planning, teaching or management, Civil Engineering offers a wide range of career choices. And there's no limit to the personal satisfaction one will derive from helping to make the world a better place to live. Civil Engineering technologists function as part of the engineering team and perform duties that focus on measurement and analysis, design, supervision of field installations and quality control. Civil engineering technicians perform similar work that is less complex but highly specialized. Civil engineers play very significant role as they build the quality of our life. With creativity and technical skill, civil engineers plan, design, construct and operate the facilities essential for modern life, ranging from bridges and highway systems to water treatment plants and energy- efficient buildings. Civil engineers are problem solvers, meeting the challenges of pollution, traffic congestion, drinking water and energy needs, urban redevelopment and community planning.

Today, engineers must continue their education long after their bachelor's degree. Whether through continuing education and professional development programs or master's degree programs, engineer will need to increase their knowledge base to face growing challenges. In addition, more and more employers are encouraging employees to earn higher degrees and become licensed professional engineers. More and more, those entering the Civil Engineering field are normally required to have skills in communication, computers, management and foreign languages, as well as advanced knowledge in a speciality within Civil Engineering. Students increasingly need to have knowledge of foreign languages or cultures, because many civil engineering mega projects are now overseas. Due to rapidly changing technology in this field, people in these occupations are desired to plan on periods of retraining and professional development. New entrants with co-operative experience and highly developed computer expertise are likely to enjoy the best employment opportunities.

Beyond the cycle of design and construction, there is software designed for planning, maintaining and operation building, transportation systems, and many other forms of civil engineering works. Web-based servers for engineering over the Internet, object technology for CAD systems and information databases, new standards, and multimedia technology are all emerging as trends that will increasingly impact the way civil engineers work and interact with others. Trends represent vision, and exist for those with the ability to see beyond the computer screen and the elaborate and complex construction of customized applications to the freedom that current technology offers. Civil Engineering, which belong to oldest discipline of our civilization have evergreen scope for popularity among masses.



QUOTE FOR THE MONTH

TIME

An inch of time is an inch of gold, but you can't buy an inch of time with an inch of gold.

— Chinese Proverb

WIT AND WISDOM

- One of the deepest desires of human beings is the desire to be appreciated. The feeling of being unwanted is hurtful.
— William James
- Happiness or sorrow - whatever befalls you, walk on untouched, unattached.
— The Dhammapada
- There is love in every one of you. Develop that love. Share it with people. This love is not a one-way traffic. It is two-way, give and take.
— Sathya Sai Baba
- Ego is the biggest enemy of humans.
— Rig Veda
- Beauty is not in the face; beauty is a light in the heart.
— Kahlil Gibran
- By plucking her petals, you do not gather the beauty of the flower.
— Rabindranath Tagore
- If a man can control his mind he can find the way of Enlightenment, and all wisdom and virtue will naturally come to him.
— Gautama Buddha
- The mind is like a white cloth. Dip it in red dye, it turns red; dip it in green, it turns green. Put it out in the sun for long, it loses its colour. The mind truly is the Self itself, with no colour.
— Swami Chidananda
- The jewel of the soul is priceless, and yet it is being squandered like this, in exchange for a mere shell.
— Sri Guru Granth Sahib
- Time is free, but it is priceless. You can't own it, but you can use it. You can't keep it, but you can spend it. Once you've lost it you can never get it back.
— Harvey MacKay
- One should be cautious not to speak anything that hurts others. Such kind of speech never helps but always brings destruction.
— Rig Veda



ACTIVITY FOR THE MONTH

TOPIC FOR DISCUSSION

Cloud Computing

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

PERSONAL COLUMN

- **Shri A. Valavan** (LM), Senior Lecturer, Information Technology Dept., AVC Polytechnic College has assumed charge as Principal, A.V.C. Polytechnic College, Mannampandal.
- **Shri Manoj Kumar Varshaney** (LM), has been felicitated **Shiksha Rattan Puraskar** by His Excellency Dr. Iqbal Singh, Lt. Governor of Puducherry at a seminar on "Role of Education in Modern India" at New Delhi on 8-9-2010 by India International Friendship Society for his meritorious services, outstanding performance and remarkable role in the field of technical education.
- **Dr. P. Anbalagan** (LM), Director, Kalaingar Karunanidhi Institute of Technology, Coimbatore was conferred a distinguished national award as **Indian Leadership Award for Education Excellence** by Indian Economic Development and Research Association, New Delhi on 30-9-2010.

Our Hearty Congratulations to all the above Members!

CALL FOR PAPERS

FOR

INDIAN JOURNAL OF TECHNICAL EDUCATION

IJTE solicits paper and articles of original, principled research papers dealing with theoretical, methodological, empirical and application-related aspects of technical education. Papers must clearly demonstrate relevance to pedagogical techniques in the field of engineering and technology, Management studies, Pharmacy, Hotel Management and Information Technology.

All submissions should describe original and unpublished work. Research papers should describe results of systems development and/or empirical or theoretical analysis. A small number of "review paper", "survey paper" and "theme papers" will also be accepted. These should synthesize and examine broad issues in the field. Authors are encouraged to submit reports on work-in-progress as short papers.

Please follow the "Guidelines for submitting the papers" which can be downloaded from our official website "www.isteonline.in". All papers must be submitted electronically to ISTE along with an undertaking for the originality, IPR and copyright issues. The full details of the author and their home institution (if any) should be given for correspondence. All the full papers and review papers will be peer reviewed or double blind refereed. For any further clarifications regarding the submission of the papers kindly contact us at the following address:

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PROFILE OF AN ENGINEERING TEACHER

Dr. J.P. Modak

Dean (R&D), LTJSS, Nagpur



Dr. Jayant Pandurang Modak is presently working as Emeritus Professor of Mechanical Engineering and Dean (R&D) at Priyadarshini College of Engineering CRPF Campus, MIDC Hingna Road, Nagpur (India), a premier institute of Lokmanya Tilak Jankalyan Shikshan Sanstha, Nagpur. Dr. Modak joined VNIT Nagpur (VRCE-then) in 1967 as an Associate Lecturer in Mechanical Engineering and subsequently rose to a position of Professor of Mechanical Engineering in 1990. He left VNIT in 1999 since then he is continuing at PCE Nagpur.

Dr. Modak holds qualification 1) B.E. (Electrical Engg. 1964) 2) B.E. (Mechanical Engg. 1965) 3) M.E. (by Research 1973) in the area of Stress Analysis of Pressure Vessels 4) Ph.D (KEDA & S of Mechanisms 1980). Recently he has submitted as a treatise to R.T.M. Nagpur University for the award of the Degree of D.Sc of (Engg. & Tech.) on the topic Human Powered Flywheel Motor : Concept, Design, Dynamics Application.

Dr. Modak has taught various subjects at UG and PG Level. Dr. Modak has successfully guided 35 Ph.D Scholars and 305 research publications out of which 75 in International Journals of high repute. Dr. Modak has executed large number of research based sponsored projects in his entire career of almost 45 yrs. with reputed Public Sector Undertakings/Private Industries such as MHADA Mumbai, MSEB (Uran), MSEB(Nagpur), WCL (Nagpur), Kirloskar Pneumatics (Pune), Thermax of India Ltd (Pune), Mahindra & Mahindra (R&D) division Nashik, Crompton Greaves (Mumbai), AICTE (New Delhi), DST (New Delhi), RGS&T(Nagpur), CSIR (New Delhi).

Dr. Modak was invited to deliver a keynote Lecture-4 at 12th World Congress of Theory of Machines and Mechanism at Besancon, France on 20th June 2007. The topic of the lecture was "Human Powered Flywheel Motor: Concept Design Dynamics and Applications".

Over and above this Dr. Modak was invited to deliver a specialty lecture on various national platforms in his career amounting to delivering 110 lectures so far. Dr Modak holds various awards, certificates of recognition. Few of them are

1. Best Research Paper Awards of ISTE (Maharashtra Chapter-1991)
2. Best Research Paper Awards of IIIE In March 2000
3. G S Parkhe " Industrial Merit Prize" Conferred by MCCI (Maratha Chamber of Commerce & Industries, Pune 1991)
4. Included Among Top 25 Consultants in a Report by STEPS -1993, New Delhi
5. ISTE U.P. Govt National Award -2000 In Recognition of Outstanding Work Done In The Area of Rural Oriented And Socially Relevant Development Activity
6. Conferment of AICTE New Delhi Emeritus Fellowship (Jan 2007-Dec 2008)

Dr. Modak was invited to chair technical sessions of International Conferences at Egypt (Cairo- 1987), Czechoslovakia (Prag-1991), Italy (Milano-1995), Finland (Olu -1999), France (Besancon-2007).

Dr. Modak is given a membership of Permanent Commission History of Machines & Mechanisms of IFToMM for the duration 2007-2011.



PRESIDENT'S COLUMN

E-Governance



Prof. N.R. Shetty

The advent of Information Technology has provided highly leveraged enabling tool for delivery of services on universal basis. Human activities are increasingly connected to virtual domains enabled by Information Systems and Internets. Such revolutionary changes are taking place in public as well as private sectors very fast.

This has redefined the fundamentals giving rise to potential changes in the Institutions and mechanism of delivery. E-Governance can be defined as the use of ICTs as a tool to achieve better governance by the Government. E-Governance is understood to extend the scope by including citizen engagement and participation in governance. The principle of good governance is a process of administrative and legal reforms with purpose to minimize state controls and regulations. This leads to system that can work in most efficient manner with least controls.

The vision of National e Governance Plan (NeGP) is to "make all Government services accessible to the common man in his locality, through common service delivery outlets and ensure efficiency, transparency & reliability of such services at affordable costs to realize the basic needs of the common man". E-governance helps simplify processes and makes access to government information more easily accessible for public sector agencies and citizens. It is quite evident that the objective for achieving e-governance (EG) goes much beyond computerization and it means fundamental changes in the modus operandi of Government. Thus EG implies unique responsibilities for citizens, judiciary, legislature and executives. The efforts must be aimed to bring about a social awareness about EG to be engineered in a comprehensive, concerted and planned manner. To achieve this objective, it is quite essential to identify the departments/organizations having maximum citizen interface.

The promise of globalization is reflecting the fact that the whole world can achieve standards of living similar to those enjoyed by Western economies. The mechanism for this will be free trade across borders on a "level playing field" where each participant will be able, and encouraged to benefit from their unique "Competitive advantage". Information technology and communication technology provide virtual organization in which modality of working is electronically mediated and thus prevailing boundaries are crossed. There is enigma of virtual institutions and as such detailed analysis of virtual institutions is quite essential as well as desirable. The challenges before us include connectivity, bandwidth, large untrained Government staff, limited technical manpower, lack of systemic approach and cost of implementation. With the current IT Policy initiatives, e-governance in India will definitely provide long awaited and cherished encouraging results.



REFLECTION

Corporate Philanthropy

Sometime back, there was the news that Premji pledges \$2 billion (Rs.8846 crores) to fund educational activities of the Azim Premji Foundation, which works mainly with schools in rural India as well as the Azim Premji University in Bangalore. A great act for a noble cause. Other corporates who have recently donated their fortunes for similar causes are: The Anil Agarwal Foundation, which announced, in July 2006, an endowment of \$1 billion to set up Vedanta University in Orissa; The Tata Group has given \$50 million to Harvard Business School to fund a new academic and residential building on its campus; Anand Mahindra has given \$10 million to the Humanities Centre at Harvard University; N R Narayan Murthy has gifted \$5 million to Harvard to set up the Murthy Classical Library of India. Great acts, these are! There are many universities and institutions in India which are grappling with acute shortage of funds and are waiting for corporate generosity! Will some of them come to their rescue and salvage them! Not Suitable Engineers 'Over 3,800 graduate engineers and 200 post graduates, in different branches of engineering join State Bank of India as clerks' was a headline news in the newspapers sometime back. Whether out of compulsion due to non availability of engineering jobs or their being not suitable for such jobs, that these engineers took clerical jobs, is a matter for serious thinking on the part of planners and academics.

They should deliberate on whether we are producing engineers without assessing the man-power requirements or whether we are producing engineers who are not fit for technical jobs. 75 to 80% of engineers are being produced by institutes which are awfully short of good faculty, where quality of input of the students is poor, where teaching is poor, where both the teachers and the students are indifferent to teaching and learning, absentism amongst them is quite common, the evaluation system of the students is flawed, exams are stereotyped which test the rote learning of the students, there is mass-copying with many other malpractices prevalent. Quality is a causality at the altar of quantity and hence not-suitable (untouchable) engineering graduates and post graduates are the outcome. Now is the time to stop and rethink to improve quality.

Prof. P.V Gupta

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LITTLE SECRETS OF SUCCESS

"Together we will win
Knowledge makes you great
Nothing is Impossible."

— Dr. Kalam

NEWS FROM ISTE CHAPTERS

ANDHRA PRADESH

- **St. Ann's College of Engineering & Technology, Chirala** celebrated **Engineers' Day** on 15-9-2010.



Principal Dr. C. Subbarao addressing the faculty and students on Engineering Day.

HARYANA

- **N.C. College of Engineering, Israna, Panipat** organised a Inter College Quiz **GENTECH-2010** durin 10th to 15th September, 2010. The Chapter also organised a general-cum-aptitude test **EXPLORER-2010** on 14-10-2010 and Quiz Competition **QUIZMASTER-2010** from 18th to 22nd November, 2010.

KARNATAKA

- **Acharya Institute of Technology, Bangalore** conducted 10 days workshop on **Information and Communication Technologies in Education - ICT** during 26th November to 3rd December, 2010 to the Head Masters of Republic of Maldives and Republic of Rwanda. The workshop was inaugurated by Dr. K. Chidananda Gowda, former Vice Chancellor, Kuvempu University.



L to R :Dr. C. Vijaykumar, Shri B. Premnath Reddy, Dr. K. Chidananda Gowda, Dr. K. Balaveera Reddy and Dr. G.P. Prabhukumar

- **R.V. College of Engineering, Bangalore** organised a technical talk on **Technology Enhanced Learning** on 20-11-2010 by Dr. S.C. Sharma, Vice Chancellor, Tumkur University, Karnataka. Dr. B.S. Satyanarayana, Principal, RVCE and Prof. K.N. Raja Rao, Advisor, RVCE presided over the function.
- **JSS Polytechnic for Women, Mysore** organised technical lectures on **Phising of Bank Accounts and Its Related Security Issues** by Sri Nagaraj Hurukadli, Manager, PNB, Mysore on 8-9-2010, **Web Content Mining** by Sri Anilkumar, Lecturer, SJCE, Mysore on 13-10-2010 and guest lecture on **SWOT Analysis** by Sri Anantharam, Secretary, Indian Institute of Materials Management on 21-10-2010.

KERALA

- **Mohandas College of Engineering and Technology, Trivandrum** organised ISTE approved SF-STTP on **Creativity in Technical Education** on November 22-27, 2010. Dr. R. Ravikumar, Retired Director of Technical Education, Kerala inaugurated the programme and delivered the keynote address. The valedictory function was presided by Dr. Ashalatha Thampuran, Principal, MCET.



Faculty with the Participants during the inauguration of the programme.

MAHARASHTRA & GOA

- **B.N. College of Engineering, Pusad** conducted an expert lectures on **World Scenario of Robotics** by Dr. V.K. Thakare, Head Computer Dept., Sant Gadge Baba Amravati University, Amravati on 2-9-2010 and **Cloud Computing** by Shri Sachin Parsewar, Software Engineering, Google India Pvt. Ltd., Hyderabad on 9-9-2010.
- **Priyadarshini Institute of Engineering & Technology, Nagpur** organised one week ISTE approved SF-STTP on **Network Software-2 (NS-2)** during 30th November to 4th December, 2010. The programme was inaugurated by Dr. D.A. Deshpande, Chairman, IETE Chapter, Nagpur.



L to R: Dr. C.G. Dethé, Prof. A.C. Bhagali, Prof. Pranav Pawar, Prof. Sarode, Prof. P.M. Chaudhari

MADHYA PRADESH & CG

- **NRI Institute of Information Science and Technology, Bhopal** organised one day workshop on **Energy Conservation** on 15-11-2010.
- **Medi-Caps Institute of Technology and Management, Indore** organised an expert lecture on **Preparation for Competitive Exam** on 22-9-2010 by Shri Alok Kumar Singh, Assistant Manager, SAIL Bokaro.

NEWS FROM ISTE CHAPTERS

- **Shri Sant Gadge Baba College of Engineering and Technology, Bhusawal** organised ISTE approved SF-STTP on **Finite Elements Analysis and their Engineering Applications** during October 25th to 30th, 2010.



Dignitaries during the inauguration of the programme on 25-10-2010.

- **Tulsiramji Gaikwad- Patil College of Engineering & Technology, Nagpur** awarded Institutional Membership of ISTE. Prof. P.B. Maheshwary, Chairman, ISTE Maharashtra & Goa Section presented the certificate to Dr. G.K. Awari, Principal, TGPCET, Nagpur and Chairman of the Chapter.



L to R: Prof. Sandip Gaikwad, Dr. G.K. Awari, Shri S.N. Bagchi, Prof. T. Taori, Prof. P.B. Maheshwary

RAJASTHAN

- **Arya College of Engineering and Information Technology, Jaipur** organised ISTE approved SF-STTP on **Emerging Trends for Power System Protection** from 29-11-2010 to 4-12-2010.



Dignitaries on the dais during the inauguration of the programme.

TAMIL NADU & PONDICHERRY

- **Arasan Ganesan Polytechnic College, Sivakasi** conducted lecture on **Method of Counseling** by Thiru K. Kannapiran, HoD, Basic Engg. on 13-9-2010.



Thiru K. Kannapiran delivering the lecture.

- **IFET College of Engineering, Villupuram** organised lecture on **Introduction to Dot Net Framework** on 30-9-2010 by Shri K. Srinivasan, Lecturer, IT Dept.
- **Erode Sengunthar Engineering College, Erode** organised one day quality improvement programme on **Accreditation to revised guidelines by NBA** on 11-12-2010.



L to R: Prof. R. Subaroyan, Ms. R. Kalaivani, Tmt. Vasantha Sudhanandhen and Dr. Arun V. Parwate

- **Arulmigu Senthilandavar Polytechnic College, Tenkasi** conducted seminar on **Nanotechnology Education and Research in India** on 19-11-2010.
- **Dr. Sivanthi Aditanar College of Engineering, Tiruchendur** organised one day workshop on **Internet Usage and Safety Handling of Computer Peripherals** on 26-11-2010.
- **R.V. College of Engineering, Bangalore** organised technical talk on **Technology Enhanced Learning** by Dr. S.C. Sharma, Vice Chancellor, Tumkur University on 20-11-2010.



Dignitaries on the dais during the inauguration of the programme.

NEWS FROM ISTE STUDENTS CHAPTER

HARYANA

- **Manav Rachna International University, Faridabad** organised seminar on 28-10-2010 for the benefit of student members. The chief guest was Dr. Shamsheer Singh. Dr. O.P. Bhatia, Faculty Advisor of ISTE Students Chapter and TOP FET, MRIU was the coordinator of the programme. Dr. M.K. Soni, Director, MRIU spoke on the essence of communication skills and personality development on this occasion



Student participants with the chief guest and faculty during the seminar.

KARNATAKA

- **Manipal Institute of Technology, Manipal** conducted **ANVESHAN'10** a technical convention of various events and workshops.



Inauguration of the Technical Convention ANVESHAN'10

TAMIL NADU & PONDICHERRY

- **PGP College of Engineering and Technology, Namakkal** in association with VIT, Vellore conducted two day workshop on **Enhancing Employable Skills for Exciting Job Opportunities** during 29-30 December, 2010. Dr. R. Ravikumar, Principal, PGPCT inaugurated the programme.



Students interacting during the group discussion.

ISTE-ICMQ TRAINING PROGRAMME at Acropolis Institute of Technology & Research, Indore

One week training programme on **Lead Inspector-Construction Quality Monitoring Programme** was conducted at Acropolis Institute of Technology & Research, Indore during December 20-24, 2010. The programme was coordinated by the Directorate of Technical Education, Madhya Pradesh and was conducted by ISTE in partnership with ICMQ India. Shri Ashish Dongre, Director of Technical Education was the Chief Guest of the programme and highlighted the need of such programmes. In his inaugural speech, he said that Construction Quality Monitoring is important for safe development. He described Civil Engineering as most ancient engineering branch and brought out that the Civil Engineering is the basis for any development. Prof. S.K. Sohani, Dean-Planning and Head-Civil Enggg. Dept. was the Coordinator of the programme. Renowned trainer from ICMQ India conducted the training.



Inauguration of the Lead Inspector training programme.



Resource persons during the training programme.



Renowned trainers during the programme.

ISTE STUDENTS LEADERSHIP PROGRAMME

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Presentations, group discussions and team activities of the students from various colleges were also organised. Shri M.G. Bharath Kumar, Chairman of the Mahendra Educational Trust presided over the inaugural function. Prof. M.N. Bandyopadhyay, Director, Mahendra Educational Institutions; Prof. R. Samson Ravindran, Principal, Mahendra Engineering College and Shri S.V. Rajeev, Dean (Academic) were also present during the programme.

ISTE-SPEED facilitators from abroad - Emmanuel Echeverriar, Frederico Saravia, Martha Lyz, Cantu Dominguez and Indian representative of SPEED, Shri Dhinesh Balaji also took part during the 3 day workshop.

These workshop were conducted mainly to discuss the future development of engineering education globally and to endow the society with professionals who could address the needs and sustainable development challenges of the 21st century.



Student participants during the Programme at MEC, Mallasamudhrum.



Prof. P.N. Singh inaugurated the Students Leadership Programme.



Facilitator addressing the students.



Prof. P.N. Singh addressing the student participants during the programme



Students interacting with the participants and delegates.



Facilitators with dignitaries during the Students Leadership Programme at JCET, Nallanur



Delegates during the Student Leadership Programme.

CONVOCATION ADDRESS

His Excellency Shri M.C. Bhandare, the Governor of Odisha delivered the 6th KIIT Convocation Address on 5-12-2010

Founder, KIIT and KISS, Dr. Achyuta Samantaji, Chancellor, KIIT University, Dr. Hari Gautamji, Vice-Chancellor, Prof. Ashok S. Kolaskarji, Distinguished Recipients of Degrees Honoris Causa - Smt. Sheila Dikshitji, Hon'ble Chief Minister, National Capital Territory of Delhi, Hon'ble Minister, Shri Prafulla Chandra Ghadaiji, Dr. K. Radhakrishnanji, Chairman, Department of Space, Government of India, Dr. VK. Saraswatji, Scientific Advisor to Defence Minister and Secretary, Department of Research & Development, Dr. Sruti Mohapatraji, Chief Executive, Swabhiman and Prof. J. Martin Hunterji, Emeritus Professor, Nottingham Trent University, Registrar, KIIT University, Recipients of Degrees & Medals, Members of Faculty, Staff & My Dear Students, Invitees, Media Persons, Ladies & Gentlemen

It is indeed a matter of great pleasure for me to be in Convocation Ceremony of KIIT University for second consecutive year. I had the privilege to grace the Fifth Convocation last year. This annual academic ceremony is special for students as they seem to enjoy the thrill and excitement of receiving their degrees. It is also something special for the distinguished persons who receive honorary degrees for their outstanding contribution in their respective field. On this joyous and important event of the University, it is my great pleasure to extend good wishes to you all.

Today, KIIT University is certainly proud to confer Degree Honoris Causa to several distinguished personalities who have carved a niche for themselves with their strong determination, commitment, dedication and devotion to the profession and to the task they have taken upon themselves. It is indeed a sheer delight for me to confer the degrees on the proud recipients. I extend my hearty congratulations to all of them and wish they will continue to shine and not only bring glory to themselves but set high standard in society for others to emulate. I am sure the response of the recipients on receiving the degree will boost the morale of our young men and women in particular to strive for excellence in life.

It is my great pleasure to congratulate the students who have received degrees and medals today for their success and achievement and reached an important milestone in their career. This is a day they will always remember and cherish.

Through these distinctions and excellence, they have not only brought glory to themselves but made proud their teachers, parents, relations and KIIT.

Today is an important occasion for the state of Orissa and for the country because so many of our young women and men are going out of the university campus equipped with the power of knowledge to make a mark in the world. The society is waiting to see them join the task of nation

building, and secure for India its place of pride among the leaders of the global community.

My dear young friends, you must know for sure, the competition will not end until you feel confident of meeting uncertainties and challenges and face those with a positive attitude. I am sure that all of you will be very successful in your chosen fields. I am tempted here to quote Swami Vivekananda who said, "Don't look back, look forward! Infinite enthusiasm, infinite daring and infinite patience, then alone can great deed be achieved." Nothing great was ever achieved without enthusiasm and there is no substitute for hard work. While forging ahead never ever forget the millions looking at you, spare a thought for those not as privileged as you to have graduated from such an elite institution.

You must think of your parents who toiled hard to make you what you are today. You must thank God for giving you the opportunity to be in a better place. But take a pause and think about the poorest of the poor. Think about a child who is not as fortunate as you are. It is your responsibility to see that the world is as much his or hers as much yours. As inheritors of a great Indian society and rich culture which blossomed up great values for life and a deep concern for human development, you should intensely aspire for deepening and broadening your knowledge, learn to experience the power within you and be guided by higher values which you believe in. The greatest satisfaction in life lies in giving something back to the society which gave you the scope to be what you are today.

You have a bright example in the founder of this young and fast growing University. See for yourself his dedication, commitment and strong desire to make things happen against all adversities. He made it a mission in life to reach out to the unreached and by setting up Kalinga Institute of Social Sciences he has not only made thousands of poor tribal children to dream but is helping them to realize this dream by providing free education and boarding and an atmosphere to explore their potential and talent. They in turn have not failed their mentor bringing glory to the institution in academics, sports and other activities.

Over the past two decades higher education in India has expanded considerably. With the opening up of Indian economy, the post liberalisation period witnessed a new type of higher education providers in India. During this period, a number of private universities were established and some of those gave very tough competition to the established Public Universities.

Some Private Universities have been doing remarkable work in education and research in India. KIIT University is surely one of them. Continuous value addition has made

CONVOCATION ADDRESS

KIIT, one of the fastest growing universities not only in India but in the world.

I am glad to note that though it is comparatively a new university, KIIT has already established a name for itself. It is providing manifold opportunities to our young men and women and is encouraging them in their academic pursuits. I am sure; the University will continue to enhance its academic excellence as well as social commitments. Change is the order of the day and inevitable. Our young men and women are not lacking in spirit and effort.

They are required to accept the change and never be afraid to try again in case of failure. They just need a little encouragement and guidance to their thinking and understanding to move forward and achieve their goals. I would suggest the University to equip students with right knowledge and attitude to accept the change and strive for excellence and stay ahead of others.

Globalization has created both interrelated and interlinked world generating opportunities and also throwing up challenges. Universities are now developing skills to cope up with these challenges. For the young graduates and technocrats, I believe sky is no more the limit. If they dream high and act with determination and conviction they are bound to get the reward. Say it reward or recognition, it never comes if you work aiming to get that but it follows if you work with devotion and without even thinking for that.

We are now in a 'Knowledge Society' or 'Gyan Yug' where knowledge power is superior to physical power and it has become the most important factor determining the standard of living more than anything else. Today's most technologically advanced countries are truly knowledge based. For India to thrive in the global knowledge economy, it is imperative to create wide base of knowledge individuals who can convert knowledge into wealth for social good and development with creation and deployment of knowledge in all sectors.

The country today needs a combination of technology, innovation, leadership and inspired workforce to reap benefits of knowledge society. The famous philosopher Francis Bacon said, "Knowledge is Power" which is the secret of success. Students must develop their skills in technology and its varied applications to contribute significantly to transformation of India. In this context, KIIT has a key role to play. On this occasion, I would like to urge upon all concerned as well as the faculty members and University administration to work hard to make our students well equipped to create a better world to live in.

My dear students, you are the youths of this country. You must feel proud that youths of India are now marching ahead and recognized as the best in the world in several sectors for their knowledge and expertise and do not forget their glorious achievements in sports arena. India is a young country with about 55 percent population between the age of 25 and 30. While all advanced countries have an ageing population India with a young population is all set to lead the world. You are the strength of the nation, you are the wealth of the nation and dream of the nation. I have no doubt in my mind that all of you who are moving to the real world of building tomorrow's India, would find the task fascinating and make a difference to the society, from where you came to join your institutions, through your creativity, dedication, hard work and above all with a clear vision for the future. I would like you to drive away poverty and illiteracy, the two ugly spots from the beautiful face Orissa and when these two will be removed Orissa will shine with all its glory and splendor and become one of the developed states of the country.

With these words, I have great pleasure to be on this joyous occasion and wish our young men and women all success in their every endeavour and very bright future. I wish KIIT University to attain great heights in days ahead.

Jai Hind!



Dignitaries on the dais during the Annual Convocation on 5-12-2010.



Dr. Hari Gautam, Chancellor, KIIT University honouring Degree of Doctorate (Honoris Causa) to Smt. Sheila Dikshit, Hon'ble Chief Minister, Govt. of NCT Delhi during the Convocation.

FORTHCOMING EVENTS

- Third National Conference on **Recent Trends in Communication, Computation and Signal Processing (RTCSP-2011)**, March 1-2, 2011, Dept. of Electronics and Comm. Engineering, Amria Vishwa Vidyapeetham, Coimbatore. For details contact : **Shri B. Sabarish Narayanan**. Mobile : 9443713945, 9894167167. Email : nb_sabarish@cb.amrita.edu. Website : www.amrita.edu
- 10th National Conference on **Mapping for Excellence: Challenges Ahead**, February 16, 2011, Pioneer Institute of Professional Studies, Indore in association with AIMS Hyderabad. For details contact : **Dr. Mona Tawar**, Conference Secretary. Mobile : 0968547592. Email : pioneerconf2011@gmail.com. Website : www.pioneerinstitute.net.
- National Conference on **Innovative Development in Next Decade : Challenges, Issues & Solutions**, February 11th & 12th, 2011, Faculty of Engineering & Technology, Jodhpur National University, Jodhpur. For details contact : **Director Conference**. Phone : 02931-281551-53.

41st ISTE National Annual Convention 2011

During the 40th ISTE Convention at Mepco Schlenk Engineering College, Sivakasi (TN) the Executive Council approved the proposal of **Baba Banda Singh Bhadur Engineering College, Fatehgarh Sahib (Punjab)** to host the 41st ISTE National Annual Convention to be held during December, 2011. The President and Executive Council Members of the ISTE expressed their sincere thanks to the Principal and the Management for the safely gesture in coming forward to host the 41st ISTE Annual National Convention at Fatehgarh Sahib (Punjab).

14th ISTE Annual Students Convention 2011

During the 40th ISTE Convention at Mepco Schlenk Engineering College, Sivakasi (TN) offers were received from many reputed institutions for hosting the ISTE Annual Students Convention 2011. All proposals were placed before the Executive Council for consideration and it was decided that the 14th ISTE Annual Students Convention will be held at **Jayam College of Engineering and Technology, Nallanur, Dharmapuri Dist. (TN)** during October, 2011. The President and Executive Council Members of the ISTE expressed their sincere thanks to the Principal and the Management for the noble gesture on their part to host the 2011 Students Convention at JCET, Nallanur, Dharmapuri Dist. in Tamil Nadu.

Executive Secretary, ISTE



THESES OF THE MONTH

(Topic, investigator and guide are given)

- **Image Representation and Analysis using Krawtchouk Moments** (Ph.D.)
AVARU VENKATARAMANA
Lecturer in Electronics and Communication Engineering
Quli Qutub shah Government Polytechnic, Hyderabad
Dr. P. Ananth Raj
Professor and Head, Dept. of E&CE
College of Engineering, Osmania University, Hyderabad
- **Optimization of Supply Chain Distribution Network using RFID Technique with Hybrid K-Means Cluster based Algorithm** (Ph.D.)
P. SURESH, Assistant Professor
Dept. of Mechanical Engineering
Muthayammal Engineering College, Namakkal Dist.
Dr. K. Kesavan, Associate Professor
Dept. of Production Technology
Anna University, Chennai

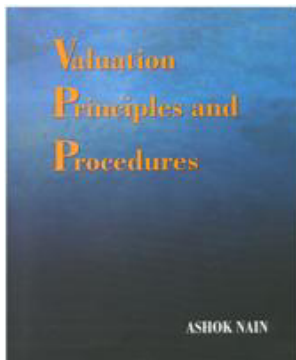
ISTE VISITING PROFESSOR SCHEME 2011

Applications are invited from interested senior faculty members on plain paper alongwith biodata under the **ISTE Visiting Professor Scheme 2011**. The selected Visiting Professors will have to spend 4 weeks of their time during the financial year (i.e. 1-4-2011 to 31-3-2012) to teach and interact in a minimum of two and maximum of four institutions (other than his own institution) in his own State or in an adjoining state. Visiting Professors are to visit one Institute only once in the same financial year. ISTE will pay an honorarium @ Rs.1000/- per day spent at the institutes upto a maximum of 20 working days. Host institute will provide local hospitality such as boarding & lodging, local hospitality, local transport etc. to Visiting Professor. ISTE will issue a Certificate of Appreciation to each Visiting Professor after satisfactory completion of the Visiting Professorship of the year on request.

Applicant **MUST** be working or retired professor in any discipline of technical education. The interested individuals are requested to send their application in a plain paper latest by **31st March, 2011** to:

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Indian Society for Technical Education
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New Delhi - 110 016
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Fax : 011-26852421
Email : istedhq@vsnl.net
Website : www.isteonline.in

VALUATION PRINCIPLES AND PROCEDURES



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PUBLISHED BY

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Cover : Hard Bound

ABOUT THE BOOK

Valuation Principles and Procedures is a unique book that attempts to bridge the theoretical and practical aspects of real estate valuation. Written by a thorough professional who has been in practice and teaching since the last forty years, the book combines various aspects of the multidisciplinary subjects encompassing law, economics, engineering and accountancy in a simple and lucid manner.

The book covers the following aspects of valuation:

- Basic concepts and fundamentals
- A glimpse of the valuation profession across the globe
- Property rights
- Valuation methodology and approaches to valuation
- Mortgage Finance and Securitization
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- Valuation for Rating and Taxation
- Acquisition and Town Planning Act
- Corporate Valuation
- Legal and Practical Aspects of Valuation including Arbitration
- Environmental aspects of valuation
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The book provides a comprehensive study of material for a student or a practicing professional with numerous examples. Professionals in other multidisciplinary fields will also find the unique approach and various discussions, reference to case laws, technical data and other related information very useful.

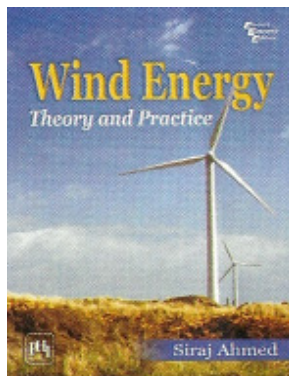
ABOUT THE AUTHOR

Dr. Ashok Nain has a degree in Civil Engineering from Bengal Engineering College (now Bengal Engineering and Science University, Sibpur) and M.S. and Ph.D. degrees from Illinois Institute of Technology, Chicago, USA and Oklahoma State University, USA. He is a practicing Consulting Engineer, Surveyor and Valuer based in Kolkata having nearly 40 years experience.

Dr. Nain is associated with a number of professional organizations and has published a number of technical papers in India and overseas. He has won awards for his writings from both the Institution of Surveyors and from the Institution of Valuers including the prestigious Life Time Achievement Award. He is a fellow emeritus of the Institution of Surveyors and a Past President. He is also a Fellow of The Royal Institution of Chartered Surveyors.

Dr. Nain has also been engaged in teaching as a Visiting Professor at Institute of Urban Management, Kolkata, at ISTAR, Sardar Patel University, Gujarat. This is his second book on Valuation. The earlier book "Professional Valuation Practice" published more than 10 years ago had been well received by the profession.

WIND ENERGY Theory and Practice



AUTHOR

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PUBLISHED BY

PHI Learning Private Ltd.
M-97, Connaught Circus
New Delhi - 110 001

Price : Rs.325/-, **Pages** : 304

ABOUT THE BOOK

Today, wind energy is one of the most viable options to meet the energy challenges of the world. It is clear, fuel-free, and available in virtually every country in the world. This book covers all the essential engineering principles and best practices of wind energy with clear emphasis on the fundamentals and basic concepts. It explains the state-of-the-art technology of wind energy and describes the latest procedures, theories and techniques.

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- Shows how to assess economic viability of wind energy generation.
- Analyzes the impact of wind energy on environment

This comprehensive book on wind energy is intended as a text for the undergraduate and postgraduate students of Mechanical/Electrical Engineering and students pursuing Energy Studies. The book should prove equally useful for professionals and practising engineers.

ABOUT THE AUTHOR

Siraj Ahmed is Associate Professor, Dept. of Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal. He has more than 20 years of teaching experience and has published/presented more than 50 papers in international and national journals and conferences. Dr. Ahmed has been involved in wind resource assessment exercise at several sites in India and abroad, has delivered several invited lectures and developed the state-of-the-art facilities for anemometry.



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As part of the journal's global outreach, the Indian Society for Technical Education (ISTE) and the American Society for Engineering Education joined in partnership on March 7, 2008 to publish JEE in India as a member benefit of ISTE. Approximately 2,500 individuals and libraries subscribed to the inaugural issue, April 2008, Volume 97, No. 2, under this new agreement.

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We hope to see you soon as a colleague of ISTE and subscriber of JEE.

Sincerely,

N.R. Shetty
President, ISTE

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INAUGURATION OF ISTE CHAPTERS & STUDENT CHAPTERS

MAHARASHTRA & GOA

- **B.N. College of Engineering, Pusad** Students Chapter was inaugurated on 2-9-2010 by Dr. V.M. Thakare, Head Computer Dept., Sant Gadge Baba Amravati University, Amravati.



Inauguration of the ISTE Students Chapter on 2-9-2010.

TAMIL NADU & PONDICHERRY

- **R.M.K. College of Engineering and Technology, Puduvoyal** Chapter was inaugurated by Dr. R.S. Nirjar, Vice Chancellor, Gautam Buddha University, Greater Noida, UP on 20-11-2010. Prof. N.R. Shetty, President, ISTE presided over the function. Shri R.S. Munirathinam, Chairman, RMK Group of institutions delivered the special address. Dr. S. Basil Gnanappa, Vice President, ISTE, New Delhi; Dr. M.S. Palanichamy, Vice Chairman, Tamilnadu State Council for Technical Education; Shri T. Pichandi IAS (Rtd.); Shri R.M. Kishore, Vice-Chairman, RMK Group of Institutions and Dr. Sadiq, Former Vice-Chancellor, Madras University were felicitated during the function.



Dignitaries during the inauguration of ISTE Chapter on 20-11-2010.

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

Editor



POETRY BITS

Life Is An Opportunity , Benefit From It
Life Is Beauty, Admire It
Life Is Bliss, Taste It
Life Is A Dream, Realize It
Life Is A Challenge, Meet It
Life Is A Duty, Complete It
Life Is A Game, Play It
Life Is A Promise, Fulfill It
Life Is A Sorrow, Overcome It
Life Is A Song, Sing It
Life Is A Struggle, Accept It
Life Is A Tragedy, Confront It
Life Is An Adventure, Dare It
Life Is Luck, Make It
Life Is Too Precious, Do Not Destroy It
Life Is Life, Fight For It.

— Saint Mother Teresa

- **PGP College of Engineering and Technology, Namakkal** Students Chapter was inaugurated on 19-11-2010 by Prof. R. Jayavel, Director of Centre for Nano Science and Nano Technology, Anna University, Chennai and gave a lecture on **Genesis of ISTE Students Chapter** during the inaugural function. Prof. P. Periasamy, Chairman, PGP Educational Institutions delivered the presidential address.



Inauguration of the ISTE Students Chapter on 19-11-2010.



HEALTH CORNER

How to keep your skin young?

- Drink plenty of water every day. Water helps moisturise the skin.
- Avoid drinking too much coffee, tea and colas. The caffeine in these dehydrates the skin.
- Finally, stay happy, think positive and think young!