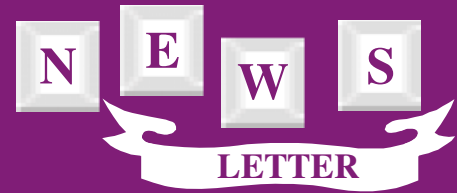


Indian Society for Technical Education



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Monthly

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

Inauguration of first IGNOU-ISTE Programme Center at Indian Institute of Aero Space Technology and Management, Kompally, Secunderabad on May 16, 2011

First collaborative training programme between IGNOU and Indian Society for Technical Education (ISTE) in the area of Skill Development inaugurated at Indian Institute of Aero Space Technology and Management (IIASTM), Kompally, Secunderabad on 16-5-2011 by Prof. V.N. Rajasekharan Pillai, Vice Chancellor, Indira Gandhi National Open University, New Delhi. Prof. Pillai in his address said that the need for skilled manpower will go up tremendously by the year 2022. The country will require 500 million certified technicians and diploma engineers. The working population would be more in India and China which meant that trained youth of India would get employment all over world. It is imperative that the training we impart should be of global standards.

Prof. Pillai inaugurated four short-term job oriented certified programmes at the IIASTM,

Kompally. The programmes are : Aircraft Electrical Systems, Aircraft Instrument System, Aircraft Communication and Navigation System, Non Destructive Testing and Welding. 200 students will be admitted at the rate of 40 in each course. The eligibility criteria is 10 + 2 for the first three courses and 10th pass for the last one.

Prof. N.R. Shetty, President, ISTE was the Guest of Honour for the function. Prof. Shetty in his address said that under the national skill mission it was proposed to equip 40 percent of the youth with employable skills. Prof. Ranjit Singh, Executive Secretary, ISTE and Dr. K.T. Tamil Mannan, Programme Coordinator, IGNOU-ISTE Programme Center were also present and addressed the students about the skill development role in the development of our country.



Inauguration of the first IGNOU-ISTE Programme Center at Indian Institute of Aero Space Technology and Management, Kompally on 16-5-2011 by Prof. V.N. Rajasekharan Pillai, Vice Chancellor, IGNOU.



Dignitaries during the inauguration of IGNOU-ISTE Programme Center.
L to R : Prof. G. Satyanarayana, Director, IIASTM, Prof. Ranjit Singh, Executive Secretary, ISTE; Prof. V.N. Rajasekharan Pillai, VC, IGNOU; Prof. N.R. Shetty, President, ISTE

TALENT ACQUISITION

In the era of knowledge society, talent acquisition is a very critical factor for the competitiveness of an enterprise facing global competition. Through talent acquisition process, an organisation tries to induct and retain right type of human capital to fill the right needs at the right time.

To survive in the present business environment, there is need of continuous innovations and reinventing the business models. But the organisations face constraints in being innovative due to talent crunch. Traditional recruitment style for talent acquisition does not work out. Different organisations depending on their requirements follow different strategies. Appropriate strategy is to take a long term view of the work requirement and talent pool is developed keeping also the future in view.

The corporate sector of IT and ITES companies use various sources including web to search right type of talent and provide innovative compensation incentives like stock options and equity sharing in order to attract and retain talent. IT & ITES companies are leading the corporate sector in designing and developing innovative compensation packages to attract and retain best talent.

Modern multinational giants like Google and Facebook, buy start-up firms to acquire the talent of their founder engineers/innovators to remain innovative and competitive. It has been reported in the press that at Silicon Valley, Facebook has bought more than 20 start ups in IT sector in the past four years to make use of innovative capability of founding engineers of the start up firms.

Google and other MNC's are not far behind in the race and jumping on the trend of acquiring start up firms in their relevant areas. Though these acquisitions are not making big news, but this trend is catching up fast enabling innovative multinationals to remain competitive and not to face mid life problems which many MNCs like Ford, Motorola are facing.

In top Technological Institutions like IITs, there is rolling advertisement running throughout the year to search for right type of faculty. Quality faculty based abroad can also be appointed in absentia. The present traditional approach of search committee for selection for short duration of 2 to 3 months is not working out well. Self-financed colleges throughout India are not able to get senior faculty with Ph.D. of right quality for any price. It has now become a challenge for self-financed colleges to recruit right kind of senior faculty. To meet this challenge innovative approach in faculty recruitment may be needed.



QUOTE FOR THE MONTH

An insincere friend is more to be feared than a wild beast; a wild beast may wound your body, but an insincere friend will wound your mind.

— Gautama Buddha

WIT AND WISDOM

- There is no enemy out of your soul. The real enemies lie inside yourself, they are anger, proud, cussedness, greed, attachments and hate....It is better to win over self than to win over a million enemies.
— Mahavira
- Laughter is the brush that sweeps away the cobwebs of your heart.
— Mort Walker
- To enjoy good health, to bring true happiness to one's family, to bring peace to all, one must first discipline and control one's own mind. If a man can control his mind he can find the way to Enlightenment, and all wisdom and virtue will naturally come to him.
— Buddha
- Money has never made man happy, nor will it, there is nothing in its nature to produce happiness. The more of it one has the more one wants.
— Benjamin Franklin
- Knowledge will give you power, but character respect.
— Bruce Lee
- Attitude is a little thing that makes a big difference.
— Winston Churchill
- Love is a fruit in season at all times, and within reach of every hand.
— Mother Teresa
- Character is like a tree and reputation like a shadow. The shadow is what we think of it; the tree is the real thing.
— Abraham Lincoln
- Education without values, as useful as it is, seems rather to make man a more clever devil.
— C. S. Lewis
- Holding on to anger is like grasping a hot coal with the intent of throwing it at someone else; you are the one who gets burned.
— Buddha



ACTIVITY FOR THE MONTH

TOPIC FOR DISCUSSION

Clean Technologies

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

LAUNCHING OF IGNOU-ISTE PROGRAMME CENTER



Prof. V.N. Rajasekharan Pillai, Vice Chancellor, IGNOU addressing the students during the inauguration of IGNOU-ISTE programme Center.



Prof. N.R. Shetty, President, ISTE delivering the address during the Inauguration of the programme center.



Prof. V.N. Rajasekharan Pillai, Vice Chancellor, IGNOU visiting the Institution alongwith Prof. G. Satyanarayana, Director, IASTM and other dignitaries.

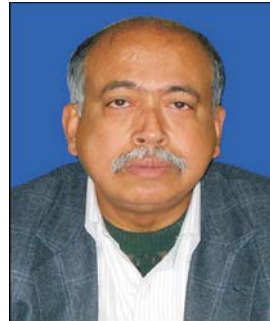


Prof. V.N. Rajasekharan Pillai, Vice Chancellor, IGNOU in the workshop of IASTM during the inauguration of short-term job oriented certified programmes at IASTM.



PROFILE OF AN ENGINEERING TEACHER

Dr. Ajay Chakrabarty Vice Chancellor, BIT, Mesra



Dr. Ajay Chakrabarty, born in December, 1952, received B.Tech., M.Tech., and Ph.D. degrees from the IIT, Kharagpur in 1975, 1977 and 1982 respectively. He joined the Radar Centre of Indian Institute of Technology, Kharagpur, in 1972. He worked as Assistant Professor in

Syracuse University from 1989 to 1990. He worked as Professor in the Department of Electronics and Electrical Communication Engineering of IIT, Kharagpur. Since September 2006 to September 2007 he was working as Dean, Alumni Affairs and International Relations (AA & IR) of IIT Kharagpur. He held the post of Dean, Continuing Education, IIT Kharagpur from October 2007 to June 2010 and HOD of Electronics and Electrical Communication Engg. from 15th April, 2008 to 8th June, 2009. Since 1st July, 2010 he is serving BIT, Mesra, Ranchi as Vice Chancellor.

His research interests include array antenna design, antenna feeds, numerical modeling of waveguide junctions, EMI / EMC measurements, EMI sensors and ESD modeling. He has more than hundred international journal publications and many national and international conference publications. He has successfully guided eighteen Ph.D. scholars (awarded) and many M.Tech. & B.Tech. students. He has coordinated a large number of short-term courses both at IIT, Kharagpur and outside. He was involved in more than twenty research projects sponsored by ISRO, DRDO and other organizations as principal investigators and consultants.

He was recipient of INSA-COASTED Fellowship to attend as an invited Young Scientist at the 21st general assembly of URSI in Florence, Italy (28 Aug. – 5 Sept., 1984) under the URSI Young Scientist Award Scheme. He was elected Senior Member IEEE in 1990 and reviewer IEEE Transactions on Antennas & Propagation. He was the Member, Technical Reviewer Committee, 1990 AP/S, URSI Symposium held at Dallas, Texas, USA. He was the Convener of Third International Conference on Electromagnetic Interference and Compatibility (INCEMIC) Kolkata, 2-4 December, '92. He received the SEMCE(I) award for contribution in teaching & research. He has visited large number of countries in Asia, Europe and North America.



PRESIDENT'S COLUMN

National Manufacturing and Investment Zones (NMIZ)



Prof. N.R. Shetty

According to 2007-2008 Economic Survey, 64.8% of India's population will be between the working age of 15 yrs. to 64 yrs. by 2026. By 2015, 800 million population of India will be in the productive age group of 15 to 59, ahead of China population which is expected to be 600 million. To create opportunities in services and manufacturing

sectors at this scale is going to be a great challenge to Govt. of India. Services sector is growing but manufacturing sector needs policy support and incentives. Keeping this in view, Govt. of India has recently announced setting up of National Manufacturing and Investment Zones (NMIZ) through the recently declared National Manufacturing Policy.

Presently manufacturing sector contributes 15% of the GDP. The objective of setting up NMIZ is to increase the sectorial share of manufacturing in GDP to 25% and creation of 100 million additional jobs by 2025.

As reported in the press, the Industry Minister of Govt. of India said "The NMIZ would provide good physical infrastructure and progressive exit policy, infrastructure to support clean & green technologies, appropriate investment incentives and business friendly approval mechanism, residential areas and administrative services". NMIZ working would be more business friendly with superior infrastructure. The whole manufacturing eco-system will be made very conducive for setting up of world class manufacturing enterprises.

The setting up of STPI in 1990's facilitated the development of IT and ITES industry in India and which led to creation of millions of jobs in IT & ITES sectors. More than 70% of the engineering graduates passing out of engineering colleges throughout India get jobs in IT & ITES companies. In the same way NMIZs will create huge job opportunities in manufacturing sectors and will correct the imbalances in the availability of engineering graduates in core engineering specialisations. New industries under NMIZ based on latest and clean technologies will enhance the manufacturing eco-system and will produce push effect to improve the quality of teaching-learning in engineering institutions.

The first NMIZ is going to come up in Manesar-Bawal area of NCR adjoining Delhi and more NMIZs will come up along Delhi-Mumbai corridor later on. If this scheme goes as planned it will galvanise the manufacturing and all other activities supporting manufacturing in India in the days to come.



VIEWES & COMMENTS

CELEBRATE AND BUILD GOODWILL

It is right time to celebrate small successes among our young achievers to boost the morale of both Students and Staff. As the University/Board Exam results have been just published, we can make use of this opportunity. Depending on the commonality of syllabus/exams, individual class wise, department wise and whole college wise prizes can be given in open assembly of all students and staff, preferably with an outside Dignitary and accompanying photography. When total marks toppers are always given the attention they deserve, individual subject toppers can also be suitably rewarded. Obviously publication of these news items and the photographs in the local newspapers will make the students genuinely happy and it will motivate others too. To expand the culture of meritocracy and regularity, all pass & 100% attendance candidates may be considered for some mementoes .

Further staff members who have achieved 100% pass or any significant achievement can be honoured. The prizes need not be big or flashy. Branded pens, good books, small artistic souvenirs etc. will be sufficient. The spirit of recognition is more important than price value of the prizes.

To build long term goodwill, the parents/guardians of our students and alumni can be invited for festivals (religious, national, seasonal) /events (Inauguration & Valediction of classes & associations, Annual day, Sports day, Hostel day, Cultural day, Science day, Childrens day, Alumni day, Birthdays of prominent leaders & founders of the institution) based dinners at our campus . It need not be very grand. It need not be always in the supper times. It can be hosted even during breakfast / lunch. If the numbers of parents who may come is very large, we may consider inviting them class/ department wise or year wise. It can be used as mutual feed back session and sort of thanks giving/ relation building exercise. To ensure punctuality and attendance, lucky draws will be ideal. Staff outings (with or without their immediate family) depending on the time/place/capacity) are an excellent forum to build comraderie.

Recognising the birthdays and individual/specific achievements of our students and the children of our

continue on page 7.....



LITTLE SECRETS OF SUCCESS

Believe in yourself! Have faith in your abilities! Without a humble but reasonable confidence in your own powers you cannot be successful or happy.

— Norman Vincent Peale

NEWS FROM ISTE CHAPTERS

ASSAM & EASTERN STATES

- **National Institute of Technology, Silchar** organised 3 days National Seminar on **Networking of Library and Information Centres of North East India in Digital Environment (NLICDE-2011)** on March 21-23, 2011 under the aegis of National Library, Kolkata, Ministry of Culture, Govt. of India. The seminar presentations covered different aspects of Library Automation and Networking, Resource sharing & consortia. Sri. Kishor Chandra Satpathy, Librarian, NIT Silchar and Organising Secretary, NLICDE-2011 welcome the participants and highlighted the objective of the seminar. Prof. H.R. Chopra, former HOD & Chairman of Board of Studies, PU Chandigarh inaugurated the programme. Prof. U.S. Dixit, IIT Guwahati delivered the keynote address on **Collaboration of Technical Institutions of North Eastern States**. The inaugural function was presided over by the Director (I/c) NIT Silchar Prof. R. Gupta and he highlighted the importance of the seminar in the present context of digital environment.



Dignitaries during the inauguration of the 3 days National Seminar.



Release of Seminar proceedings by the Chief Guest.

RAJASTHAN

- **Jaipur Engineering College, Kukas** organised two weeks workshop on **Thermodynamics in Mechanical Engineering** from 14th to 24th June, 2011. The workshop was conducted by IIT Bombay for the first time in Northern Region. Shri Anil Agrawal, IIT Bombay was the Coordinator of the workshop. IIT Bombay has made 31 Remote Centres in all over the India. Inaugural address was delivered by Prof. S.P. Sukhatme, Professor Emeritus, Mech.Engg. Dept., IIT Bombay. The Chief Coordinator of the workshop was

Prof. D.B. Phatak. Prof. Devang Khakhar, Director, IIT Bombay highlighted the objectives of the workshop.

KERALA

- **Mohandas College of Engineering and Technology, Anad, Trivandrum** organised ISTE approved SF-STTP on **Innovative Practices in Technical Teaching** on May 30th to June 4, 2011. Dr. K.P.P. Pillai, Former Principal, Government Engineering College, Trivandrum inaugurated the programme and delivered the keynote address. The programme emphasis was on effective teaching methodologies, innovative practices in teaching and improving communication skills. The valedictory function was presided by Dr. Ashalatha Thampuran, Principal, MCET.



Inauguration of the SF-STTP on 30-6-2011 at MCET, Anad.

- **Cochin University of Science and Technology, Kochi** organised ISTE approved SF-STTP on **Modern Materials and Methods in Engineering** on 2-14 May, 2011. A total of twenty six subject experts delivered lecture in this programme.



Inauguration of two weeks SF-STTP on May 2, 2011

MADHYA PRADESH & CHATTISGARH

- **Shri Rawatpura Sarkar Institute of Technology, Naya Raipur** organised International seminar on **Advances in New & Renewable Energy Sources** on 14th & 15th May, 2011 sponsored by MNRE, Central Govt. of India and co-sponsored by CREDA, ISTE & IE (India) Students Chapter. A large number of scholars, academicians, researchers & students of engineering from the institute, outside the state & foreign countries attended the conference. Chief Guest Dr. B.C. Mal,

NEWS FROM ISTE CHAPTERS

Vice-Chancellor, Chhattisgarh Swami Vivekanand Technical University, Bhilai inaugurated the conference.



Inauguration of the two days International Seminar on 14-5-2011.

MAHARASHTRA & GOA

- **Annasaheb Dange College of Engineering & Technology, Ashta** organised ISTE approved SF-STTP on **Research Methodology in Engineering & Applied Sciences** on April 25-29, 2011.



Dignitaries on the dais during the inauguration of SF-STTP.

- **Kolhapur Institute of Technology's College of Engineering, Kolhapur** organised ISTE approved SF-STTP on **Total Quality Management in Engineering Education** from May 23rd to June 3, 2011.



Inauguration of two weeks SF-STTP on May 23, 2011

TAMIL NADU & PONDICHERRY

- **P.S.R. Rengasamy College of Engineering for Women, Sivakasi** organised guest lecture on **An**

Overview of Industry Need on 13-6-2011. Shri K. Venkateshwaran, Tullet Prebon, London, UK was the resource person.



Guest Lecture on "An Overview of Industry Need" on 13-6-2011.

- **Ranganathan Engineering College, Coimbatore** conducted Faculty Development Programme on **Teaching and Interpersonal Skills** on 6-6-2011 by Shri S.S. Manian, Officer (HRD & Placement (Retd.), KLN College of Engineering, Madurai. Dr. S.V. Saravanan, Principal presided over the function.
- **Thanthai Roever College of Pharmacy, Perambalur** organised AICTE sponsored two days National Level Seminar on **Newer Trends in Pharmaceutical Nanotechnology** on 16th & 17th June, 2011. The objective of the seminar is to emphasize the technical advances & applications of nanotechnology in pharmaceuticals and its approaches in the field of drug discovery.



Inauguration of the two days National Level Seminar on 16-6-2011.

- **Dr. Mahalingam College of Engineering and Technology, Pollachi** conducted guest lecture on **Effective Teaching** on 27-6-2011. Dr. D. Brahadeeswaran, Professor & Head, Dept. of Policy Planning & Educational Research, NITTTR, Chennai was the resource person.

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

Editor

NEWS FROM ISTE STUDENTS CHAPTER

ANDHRA PRADESH

- **Institute of Aeronautical Engineering, Hyderabad** celebrated **ISTE Day** on 21-5-2011. An invited talk on **Traffic Engineering & Traffic Management** by Er. Surya Prakash Reddy, Engineering Consulting Services, Hyderabad was also organised during the function.

DELHI

- **Guru Tegh Bahadur Institute of Technology, Rajouri Garden, New Delhi** organised ISTE Students National Convention during 31st March and 1st April, 2011. The theme of the convention was **Challenges and Perspective for Present Day Engineers**. Prof. K.K. Aggarwal, Former Vice Chancellor, GGS Indraprastha University was the Chief Guest for the occasion and highlighted the role of present day engineers with respect to fast changing technology. Prof. Ranjit Singh, Executive Secretary, ISTE also graced the occasion with his presence and emphasized on team work and innovations as means to achieve excellence for engineers. The objective of the convention was to enhance professional ideas and standards in technical education.



Dignitaries on the dais during the inauguration of the Convention.



Felicitations to Prof. Aggarwal by the Chairman and Director, GTBIT.

KARNATAKA

- **Guru Nanak Dev Engineering College, Bidar** conducted National event on **Technovision-11** comprising paper presentation, quiz, project exhibition etc. on 4-5 May, 2011.



Dignitaries on the dais during the inauguration of Technovision-11

TAMIL NADU & PONDICHERRY

- **K.S. Rangasamy Institute of Technology, Tiruchengode** organised Faculty Development Programme on **Student Centered Learning** (problem based learning, peer instruction, assessment) on 31-5-2011 by Mr. Mohamed Zakriya.



Informative Lecture delivering by the Resource Person.

continue from page 4.....

staff and birthdays/ marriage days and noteworthy deeds/achievements of staff with personal greetings and small mementoes/booklets/figurines/posters will go a long way in establishing a loyal society. Using the alumni database they also can be greeted suitably.

All these things are neither very expensive nor too much time consuming. But they need thorough planning and active participation by all stake holders. However, one can not, rather need not do all these things at one go. (CIVILISATIONS ARE NOT BUILT IN A SINGLE DAY)

Whatever is possible, suitable and feasible can be implemented considering the ground realities and the prevailing environment.

Shri R. Dhanasekar
Secretary, ISTE Chapter
SSM Polytechnic College
Komarapalayam

XIV ISTE Annual Students Convention 2011

The 14th ISTE Annual Students Convention 2011 will be held at **Jayam College of Engineering and Technology, Nallanur, Dharmapuri Dist. (T.N.)** during 30th September, 2011 to 1st October, 2011. The Theme and Sub Themes for the National Seminar to be organised during the Convention are :

Theme : Green Engineering for Sustainable Development

Sub-Themes:

- Clean Technologies towards India 2020
- Geo Technology and its Applications
- E-Waste Management for Ecological Balance
- Global Warming and its Implications
- Green Building for Greenery Earth
- Integrated Eco System Management
- Non-Conventional Sources for Energy Management

In addition to National Seminar on the theme of the Convention, a number of other technical activities have been planned for the students to exhibit their competencies which are as under:

Project Exhibition

- Fly Green (Aircraft Modeling)
- Green Computing (Software's)
- Greentronics (Electronics)
- Green Connect (Bridges & flyovers)
- Green Android (Robotics)
- Green Fuels (Engine Modeling)
- Green Energy (Solar & Wind based Devices)

Other Events

- Creative Writing
- Poster Designing
- Glider Contest
- Puzzle House
- Photography
- Quiz and many more Spot Events....

ABOUT THE INSTITUTE

Jayam Educational Health and Charitable Trust was formed with a motto of facilitating technical education to the rural based students. The Trust comprising of dedicated philanthropists started "Jayam College of Engineering and Technology" in the year 1998 and the institution is approved by AICTE and affiliated to Anna University.

Jayam College of Engineering and Technology is providing quality education with a dedicated service to Technical Education. The College has earned a reputation for Technical expertise, commendable facilities, a track record of performance, good discipline with excellent results and enterprising students.

The College obtained the prestigious ISO 9001 Certification and the BE and B.Tech Branches have been accredited by the National Board of Accreditation (NBA) an autonomous body of the All India Council for Technical Education (AICTE).

LOCATION

The College campus is located at Nallanur, situated on the Dharmapuri Hogenakkal Highway, 18 kms from Dharmapuri. The College campus with 75 acres of lush green land together with the backdrop of Hogenakkal falls provides a perfect setting for a peaceful academic pursuit.

The College is well connected by Road, Rail and Air to Chennai, Bangalore and Salem. It is 135 Kms from the Bangalore Airport and 50 kms from the Salem Airport.

TOURS & TRIPS

Local visit will be arranged to Hogenakkal Falls.

IMPORTANT DATES for Paper Submission and Project Abstract

Last date for submission : August 27, 2011
Notification of acceptance : September 3, 2011

REGISTRATION FEE

Delegates	Upto (12-9-2011)	After (12-9-2011)
ISTE Student Member	: Rs.500/-	Rs.600/-
Non-ISTE Member	: Rs.600/-	Rs.700/-
Accompanying Faculty Member/Guest	: Rs.600/-	Rs.700/-

ACCOMMODATION

Accommodation for student delegates and accompanying teachers shall be arranged in college hostel/guest house and hotels.

For further details, please contact:

Dr. G. Tholkappia Arasu, Organising Chair
Mobile : 09842999923

Prof. P. Umasankar, Secretary cum Convener
Mobile : 09842256262

Prof. A.F. Sheik Hakkani, for Paper Presentation
Mobile : 09942712340

Prof. T. Jesudas, for Project Exhibition
Mobile : 09894890621

Prof. R. Saravana Kumar, for Other Events
Mobile : 09894608731

XIV ISTE Annual Students Convention 2011
Jayam College of Engineering and Technology
Dharmapuri - 636813, Tamil Nadu
Website : www.jayamiste.com
& www.azhaguboomi.org

E-Mail : jayamiste2011@ji.collegejayam.ac.in

XIV ISTE Students Annual Convention 2011



Organised by
Jayam College of Engineering and Technology, Dharmapuri, T.N.
on **30-9-2011 & 1-10- 2011**



REGISTRATION FORM

Name : _____

Branch & Year : _____

Institution : _____

Mailing Address : _____

City : _____ PIN: _____

Mobile No. : _____ Fax : _____ Email _____

ISTE Member (Yes/No) : _____ If Yes, Membership No. _____

Participation Type (Please the appropriate event)

- | | |
|---|---|
| <input type="checkbox"/> Paper Presentation | <input type="checkbox"/> Poster Designing |
| <input type="checkbox"/> Creative Writing | <input type="checkbox"/> Project Exhibition |
| <input type="checkbox"/> Photography | <input type="checkbox"/> Puzzle House |

No of Events : _____ Registration Fee : _____ DD No _____

Dated : _____ Bank & Branch : _____

(Demand Draft should be drawn in favour of "The Principal, Jayam College of Engineering and Technology" payable at Dharmapuri)

Accommodation Required : Yes / No Interested in Local Tour : Yes / No

Recommended & Forwarded

Signature and Seal of the
Head of the Institution

For further details please contact:

The Convener
XIV ISTE ANNUAL STUDENTS CONVENTION 2011
JAYAM COLLEGE OF ENGINEERING AND TECHNOLOGY
DHARMAPURI – 636 813. TAMILNADU
Phone : 04342 – 235235 (30 Lines)
Mobile : 099422 77777
Fax : 04242 – 235566, 235555
E-mail : jayamiste2011@ji.collegejayam.ac.in
Web : www.collegejayam.ac.in, www.jayamiste.com

Registration Fee :

Delegates	Upto (12-9-2011)	After (12-9-2011)
ISTE Student Member	: Rs.500/-	Rs.600/-
Non-ISTE Member	: Rs.600/-	Rs.700/-
Accompanying Faculty Member/Guest	: Rs.600/-	Rs.700/-

Note:

1. Registration is compulsory for all the Participants
2. Registration fee will not be refunded.
3. Spot registration is permitted but provision of Convention kit is subjected to availability.

ELECTION TO ISTE EXECUTIVE COUNCIL, SECTION MANAGING COMMITTEES AND TO THE POSTS OF SECTION CHAIRMEN FOR THE TERM 2012 to 2014

(See Clause 11 (ii) and 9 (iii) of ISTE Constitution)

NOMINATIONS are invited by the undersigned on the prescribed form (specimen given overleaf) from the life members of ISTE to fill up the seats in the National Executive Council, Section Managing Committees and posts of Section Chairmen for a period of three years from January 1, 2012.

Section (Total membership shown in brackets)	No. of seats in Executive Council	No. of seats in Section Managing Committee
Andhra Pradesh (8280)	6	5
Assam & Eastern States (580)	1	3
Bihar & Jharkhand (825)	1	3
Delhi (935)	1	3
Gujarat (3739)	3	5
Haryana (898)	1	3
Karnataka (11960)	8	5
Kerala (4249)	3	5
Madhya Pradesh & Chhattisgarh (1950)	1	3
Maharashtra & Goa (15562)	11	5
Orissa (2247)	2	4
Punjab, Chandigarh H.P. & J&K (2000)	2	4
Rajasthan (984)	1	3
Tamil Nadu & Pondicherry (22193)	15	5
Uttar Pradesh & Uttaranchal (1760)	1	3
West Bengal (785)	1	3

Election, if necessary, will be held by postal ballot as per the schedule indicated below:

- Process of Nomination begin : 16-8-2011
- Last date of receipt of nomination papers end on : 13-09-2011 till 5.30 p.m.
- Scrutiny of nominations on : 20-09-2011
- Last date of withdrawal of nominations till : 03-10-2011 till 5.30 p.m.
- Declaration of list of valid nominations : 04-10-2011
- Despatch of ballot papers from ISTE Office concludes : 28-10-2011
- Marked ballot papers to be received by the
Returning Officer at ISTE Hqrs., New Delhi : 25-11-2011 till 5.30 p.m.
- Counting of votes and Declaration of Results : 28-11-2011 onwards

Only those members whose names will be found in the authenticated ISTE membership list maintained by the Executive Secretary, ISTE as on 30-6-2011 will be eligible to participate in this election.

Roll list of eligible voters of the Section can be obtained from the office of the ISTE, New Delhi - 110 016 on payment. Cost is inclusive of registered postal charges:

- Roll list of all ISTE Sections : Rs.1500 each
- Roll list of Chairmen of Chapters in concerned Section : Rs.200 each

The following may please be noted clearly:

1. Each nomination should be accompanied by a Demand Draft for Rs.3000 in the case of Executive Council election, Rs.2000 in the case of Section Managing Committee election and Section Chairman as Nomination Fee (non-refundable).
2. Those who want the list of valid nominations should send a stamped and self-addressed envelope alongwith the nomination papers.
3. Preferential Voting System will be adopted for the elections.
4. DDs should be drawn in favour of ISTE payable at New Delhi.

Note : There is one Post of Chairman in each Section. The electoral college shall consist of Chairmen of all ISTE Faculty Chapters in the respective Section.

Returning Officer

NOMINATION FORM

Please Affix Candidates Photo (passport size)

NAME OF THE CANDIDATE :

Grid for candidate name: Surname, First Name, Middle Name

Surname First Name Middle Name

Life Membership Number [grid] Name of the Section [text box]

NOMINATION FOR :

Executive Council (EC) [checkbox] (Section Managing Committee (SMC) [checkbox] Section Chairman (SC) [checkbox]

(Tick ✓ at whichever is applicable)

I _____ agree to serve on proposed post of the ISTE, if elected and shall abide by the Rules and Regulation of ISTE.

Date _____ Signature _____ Address _____

NAME OF PROPOSER :

Grid for proposer name: Surname, First Name, Middle Name

Surname First Name Middle Name

Life Membership Number [grid] Name of the Section [text box]

Date _____ Signature _____ Address _____

NAME OF SECONDER :

Grid for seconder name: Surname, First Name, Middle Name

Surname First Name Middle Name

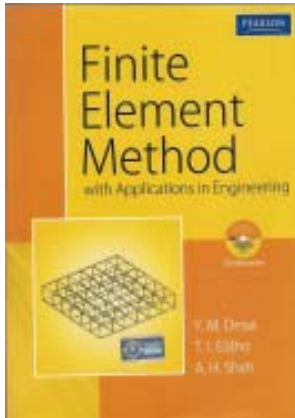
Life Membership Number [grid] Name of the Section [text box]

Date _____ Signature _____ Address _____

D.D. Number _____ dated _____ for Rs _____ Drawn on _____ in favour of ISTE, New Delhi.

Eligibility : 1. Name & Life Membership Number of the Candidate should be mentioned legibly in Capital Letters leaving space of one box between surname, first name & middle name in the Name's column. 2. Nomination form containing Incorrect Name and membership number will be declared as invalid. 3. The ISTE Members will be eligible to participate in the Elections being conducted for their respective Sections.

FINITE ELEMENT METHOD with Applications in Engineering



AUTHOR (s)

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Noida - 201 309

Pages : 480

Cover : Soft Cover

ABOUT THE BOOK

This book presents a practical understanding of the Finite Element Method with a variety of engineering applications that will aid students, teachers, practicing engineers and researchers. It begins with an introduction to the mathematical modeling of engineering problems and approximate methods of analysis. It then introduces the different approaches in FEM such as direct approach, principle of virtual work, variational principle and method of weighted residual. Finally, the applications of FEM to real-world problems are presented in 1D, 2D and 3D for structural analysis, heat and mass transfer, geo-mechanical, fluid flow and other problems. The aim of this book is to introduce FEM as a general numerical technique for the solution of various engineering problems.

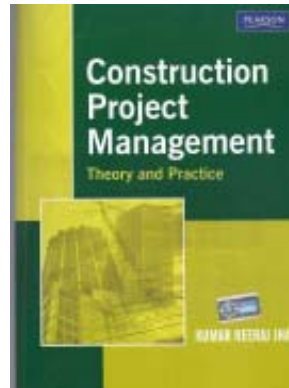
ABOUT THE AUTHOR(S)

Dr. Yogesh M. Desai is presently working as Professor, Dept. of Civil Engg., IIT Bombay. He completed his Ph.D. from the University of Manitoba, Canada. He has supervised more than 10 Ph.D. theses and 35 Masters Projects. He has more than 150 research papers to his credit in Journals and Conferences. He is also a reviewer for several international Journals.

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Dr. Arvind H. Shah graduated with an M.S. (Stanford, 1959) in Structural Engineering and Ph.D. from University of California, Berkeley in 1965. He has published over more than three hundred papers in International Journals and Conferences. He has guided over two dozen Ph.D. students and a large number of students at the Masters' level programmes. He has provided services to advisory boards of several International Conferences and has been reviewer for several journals of international repute.

CONSTRUCTION PROJECT MANAGEMENT - Theory and Practice



AUTHOR

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PUBLISHED BY

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licensees of Pearson Education
in South Asia
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Noida - 201 309

Pages : 675

Cover : Soft Cover

ABOUT THE BOOK

Construction Project Management deals with different facets of construction management, emphasizing the basic concepts that engineering students are supposed to know. The major principles of project management have been derived through real-life case studies from the field. Simplified examples have been used to facilitate better understanding of the concepts before going into large and complex problems.

Salient Features

- Computer applications (Primavera ad MS Project) used to explain planning, scheduling, resource leveling, monitoring and reporting.
- Highly illustrated with line diagrams, cash-flow diagrams, bar diagrams, and the graphs to make the book interactive and easy to understand.
- Pedagogy includes solved examples, and chapter-end exercises comprising both descriptive and non-descriptive questions.
- Real-life examples from sites of Delhi Metro construction, Delhi International Airport construction and many more.
- Case studies on preparation of estimates of live projects, information on ISO 9001-2000, construction disputes, accidents in the construction industry.

ABOUT THE AUTHOR

Dr. Kumar Neeraj Jha is an Assistant Professor in the Dept, of Civil Engg., IIT Delhi. He started his career with L&T Ltd. as graduate engineer trainee and subsequently held a number of responsible positions in the same company. He has been involved with a number of construction projects in different capacities and specializes in project management and formwork. He also taught at IIT Kanpur for a brief period. He has published in a number of international and national journals and has presented research papers in number of international conferences. He teaches undergraduate and graduate students in the area of construction technology and management. He has conducted a number of training programmes for academicians and practitioners in the area of project management and has also been involved with a number of consultancy project. His research interests include project success factors, organisation success factors, project risks, and construction safety.

ISTE STUDENTS AWARD 2011

NOMINATIONS are invited from the ISTE student members of all Government, Aided and Unaided Institutions for the various **ISTE STUDENTS AWARDS 2011**. Details regarding each Awards are being sent to the Head of Institutions separately. Please contact the Head of Institution for these details. The form is also available in the website "www.isteonline.in". Therefore, all Head of the Institutions/Chapter Chairman/Faculty Advisors are requested to kindly advise the students of the ISTE Students Chapters to visit ISTE Website, download nomination form, read the instructions carefully and send their nomination to ISTE New Delhi before the last date. **Last date for submission of all the nominations to ISTE Hqrs., New Delhi is August 31, 2011.**

A. NATIONAL AWARDS

1. **Kerala Government Engineering Design National Award** instituted by the Government of Kerala during the XV Annual Convention of ISTE held at Thiruvananthapuram in December 1985. This Award is meant to promote and encourage creativity, innovation and design talents in engineering degree students.

Eligibility : Any student in engineering or technology who is studying in an institution during this year or who is completing the degree course at any time during this year is eligible to compete for the award. Only **FIRST DEGREE** (no post graduate) students are eligible. Try individually or in groups of TWO only.

Award Details : Cash Prize (Rs.3000/- for First, Rs.2000/- for Second and Rs.1500/- for Third), a Medallion and Certificates to winners and also to all participants.

2. **NIT, Kozhikode National Award for the Best B.Tech. Project from Engineering Colleges** instituted by National Institute of Technology, Kozhikode to promote research in the areas of :

- Civil & Architecture Engineering
- Mechanical & Production Engineering
- Electrical & Electronics Engineering
- Computer & Communication Engineering

Eligibility : Students undergoing under-graduate programmes leading to B.E./B.Tech. degree in any Engineering Institution in India including the IITs, NITs, State Level Engineering Colleges, University Colleges and Engineering Dept. of Universities.

Award Details : Cash Prize Rs.2000/- each for the above four disciplines, Medallion and Certificates.

3. **Baba Banda Singh Bahadur Engineering College National Award for the Best B.Tech. Project related to Sustainable Development from Engineering Colleges** announced by Sardar Prakash Singh Badal, former Chief Minister, Punjab and instituted by the Management of Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, Punjab during 8th National Students Convention of ISTE during October 2005 to promote research in sustainable development in the area of :

- Civil Engineering & Architecture
- Mechanical Engineering & Production Engineering
- Electrical Engineering & Electronics
- Computers & Communication Engineering
- Information Technology & Management
- Agricultural Engineering

Eligibility : Final year students undergoing under-graduate programmes leading to B.E./B.Tech. Degree in any engineering institution in any of the above discipline in India including the IITs, NITs, State Level Engineering Colleges, University

Award Details : Cash Prize Rs.2000/- each for the above six disciplines, Medallion and Certificates.

B. REGIONAL AWARDS

1. **Devinder Singh Bansal Memorial Award for Best B.Tech. Project in Mechanical Engineering and Allied Branches in the State of Punjab** instituted by Mrs. Anup Kaur Bansal and Dr. A.S. Bansal donated a sum of Rs.1 lakh to ISTE to Institute a State Level Award in the area of Mechanical Engineering and Allied Branches (it includes Mechanical Engg., Production Engg., Automobile Engg., Industrial Engg., Agricultural Engg. and Farm Machinery) in the memory of their late son Shri Devinder Singh Bansal.

Eligibility : Students undergoing under-graduate programmes leading to B.E./B.Tech. Degree in Mechanical Engineering and Allied Branches in any Engineering College in Punjab.

The Award consists of a Cash Prize of Rs.7000, a Medallion, and a Citation.

2. **ISTE-NARSEE MONJEE Award for Best Project work done by Polytechnic Students in Maharashtra State** instituted by The Narsee-Monjee Educational Trust, Mumbai for Final Year students of Polytechnics for their Project Work.

Eligibility : Final Year Diploma students in Maharashtra State graduating in B.T.E. approved Diploma Courses in Engineering/Technology/Architecture/ Pharmacy can apply through their Polytechnics.

Both Group Projects and Individual Projects will be acceptable. **However, the Group size should not exceed 4 STUDENTS.**

Selection of Award : A Panel of Judges consisting of representatives of DTE, ISTE and Narsee-Monjee Trust will select the Best, Second Best and Third Best Projects.

Award Details : Cash Prize (Rs.2500/- for First, Rs.1500 for Second and Rs.1000/- for Third), a Medallion and a Certificate.

3. **Maharashtra State Engineering Design Award** for Engineering Students (Degree Level) instituted by the Government of Maharashtra to promote and encourage creativity, innovation and design talents in engineering degree students.

Eligibility : Any student in engineering or technology who is studying in an institution in Maharashtra State during this year or who is completing the degree course at any time during this year is eligible to compete for the award. Only **FIRST DEGREE** (no post graduate) students are eligible. Try individually or in group of TWO only.

Award Details : Cash Prize (Rs.3000/- for First, Rs.2000/- for Second) a Medallion and Certificates to winners. In case two students work on a project and get the award, the cash prize will be shared between the two, certificates will be given to both, but the medallion will be given to the leader of the group only.

4. Punjab Technical University Award for Young Engineer Innovators for the Best B.Tech. Projects by the students of Engineering Colleges affiliated to Punjab Technical University in the Punjab State. The Award was instituted by Punjab Technical University by donating a sum of Rs.11 lakhs to encourage the students and to stimulate the spirit of inventiveness among the technical students in order to honour and recognize their creative talent with a mission to harness their performance for the benefit of society and the nation in the following disciplines:

- Civil Engineering & Architecture
- Mechanical, Production Engineering, Industrial Engineering and Automobiles etc.
- Electrical Engineering & Electronics Engineering
- Computers and Communication Engineering & Information Technology
- Chemical Engineering, Bio-Technology & Food Technology etc.

Eligibility : Final year students of the above branches undergoing under-graduate programmes leading to B.E./B.Tech. Degree in the institution affiliated to Punjab Technical University.

Award Details : Cash Prize (Rs.5000/- for First, Rs.3000 for Second and Rs.2000/- for Third), a Medallion and a Certificate.

5. Best Students Chapter Award (One from each Section)

An Award consisting of a plaque and a certificate will be given to the Best Students Chapter in each Section (provided there are at least 10 Students Chapters in the Section) based on their performance during the period January 1 to September 15 as judged by the concerned Section Managing Committee. The Award will be presented during the National ISTE Students Convention during September/October 2011. The Award consists of a Certificate and a Medallion. Sections are requested to recommend the name of Best Students Chapter as judged by them to ISTE Hqrs. New Delhi by September 15, 2011.

ISTE Best Student Award 2011 (one from each student chapters)

All Student Chapters Managing Committees are requested to kindly select one best student from their Student Chapter on the basis of overall performance of the student members. The name of student selected may please be sent to their Section under intimation to ISTE Hqrs., New Delhi. The ISTE Section will give the Best Student Award 2011 to the Students during the Section Level Convention. Student Chapters are kindly requested to get in touch with their Section regarding date, time & venue of the Convention.

Executive Secretary, ISTE

FOR ISTE STUDENT MEMBERS

E-LEARNING CENTER: A REAL BOOSTER TO THE CLASSROOM TECHNOLOGY

N.Rajesh., Asst. Librarian,
Bharathiyar College of Engineering & Technology, Karaikal

E-learning centre is considered as the best part of the library for acquiring knowledge in latest development in any technological humanities and areas. E-learning is one of the latest techniques followed in advanced level of learning process. We define E-learning as a learning through electronic media. Due to the technology development any institution having web camera well furnished room with efficient and effective teacher E-learning classes can be conducted. One can record those teaching and maintain them in E-learning centers of libraries.

Libraries, where one can acquire knowledge not only through books, journals, but also through Internet. In internet one cannot get detailed techniques stock of all topics. So E-learning is good mode to improve the effective utilization of a teaching rendered by staff members and also the teaching methodology could be improved by making the staff members watch the recorded teachings. As time passes due to lack of time or for rushing up the portion, a teacher however prepares but there are certain chances of leaving the important points of the topic. Even the staff can note down those through the records maintained for E-learning or let it down to students in a recorded versions. Now a days as private engineering or technology institutions are coming as mushrooms all over the country all could not get experienced teachers and effective teaching. E-teaching or learning could well be an alternative in that case.

Library is the heart of an institution where the records of E-learning are kept. Students are aware of this E-learning and can utilize it even if they miss some classes. Also while recording the classes, students would have an alternative to listen them.

Advantages of maintaining E-learning records in libraries are a number of signage will be more which improves the utilities of library and knowledge sharing will be more. Library having such E-learning facility is satisfying fifth law of growing organization. Though classroom teaching is not effective, due to some reasons, students can acquire knowledge about the topic by utilizing the E-learning previous records maintained in those centers.

FORTHCOMING EVENTS

- 2nd International Conference on **Emerging Trends in Engineering and Technology (IETET 2011)**, October 20-22, 2011, organised by Geeta Institute of Management and Technology, Kanipla, Haryana. The aim of this conference is to provide an interdisciplinary forum for engineers, researchers and student technocrats to discuss and promote research & technology transfer of advances in Engg. & Technology. For details contact : **Prof. S.K. Srivastava**, Conference Chair, IETE-2011. Phone : 01744-279800, Fax : 279801, Mobile : +91-80595-20127.
- International Conference on **Earthquake Analysis and Design of Structures (EQADS-2011)**, December 1, 2 & 3, 2011, Dept. of Civil Engineering, PSG College of Technology, Coimbatore. The objective of the conference is to create awareness of various issues regarding seismic hazards, earthquake engineering education and social preparedness. For details contact : **Dr. G. Sankarasubramanian**, Organising Secretary-EQADS 2011. Phone : 0422-4344777. Fax : 2573833. Email : eqads2011@gapps.psgtech.ac.in.
- First ISTE Student's U.P. & Uttaranchal Section Annual Convention will be organised at BMAS Engineering College, Agra on 19-20 August, 2011. The main theme of the convention is **Latest Trends in Engineering and Technology**. For details contact : **Mr. V. Srinath**, Convenor. Phone : 07669263122 and **Mr. Rahul Jain**, Student Secretary. Phone : 09760633030.



THESES OF THE MONTH

(Topic, investigator and guide are given)

- **Studies on the quality of rainwater at various land use locations and variations by interaction with domestic rainwater harvesting systems** (Ph.D.)
ROY M. THOMAS, Associate Professor
Cochin University of Science & Technology, Cochin
Dr. Benny Mathews Abraham, Professor
Cochin University of Science & Technology, Cochin
- **Bulk Power System Reliability Evaluation using Fuzzy Logic** (Ph.D.)
K. THIPPESWAMY, Selection Grade Lecturer
Dept. of EEE, Govt. Polytechnic, Tumkur
Dr. B.K. Keshavan, Professor & Head
PES Institute of Technology, Bangalore
- **Mathematical Modelling and Simulation of Calcium Oscillations in Neuron Cell** (Ph.D.)
SHIVENDRA TIWARI, Research Scholar
Dept. of Mathematics, MANIT, Bhopal
Dr. K.R. Pardasani, Professor
Dept. of Mathematics, MANIT, Bhopal
- **Improved Color Image Compression Approaches for Natural and Compound Images using Wavelets and Wavelet Packets** (Ph.D.)
M. SUNDARESAN, Associate Professor
Dept. of Computer Science
Bharathiar University, Coimbatore
Dr. S. Annadurai, Additional DTE
Directorate of Technical Education, Chennai



अखिल भारतीय तकनीकी शिक्षा परिषद्

(भारत सरकार का सांविधिक निकाय)

7वां तल, चन्द्रलोक भवन, जनपथ, नई दिल्ली- 110001,

फोन नं० 23724151-57 वेब साईट: www.aicte-india.org

विज्ञापन संख्या: प्रशासन/06(०2)/2011

"तकनीकी पाठ्यपुस्तक पुरस्कार योजना : 2010"

भारत सरकार की राजभाषा नीति का अनुपालन करते हुए हिन्दी में विभिन्न तकनीकी विषयों की उत्कृष्ट स्तर की मूल तथा अनूदित पाठ्यपुस्तकें उपलब्ध करवाने के उद्देश्य से अखिल भारतीय तकनीकी शिक्षा परिषद् द्वारा हिन्दी की "तकनीकी पाठ्यपुस्तक पुरस्कार योजना 2010" के लिए प्रविष्टियां आमंत्रित की जाती हैं। इस योजना का पूरा विवरण और आवेदन पत्र अभातशिप की वेबसाईट www.aicte-india.org/Bulletin>Advertisement पर उपलब्ध है तथा "हिन्दी अधिकारी, अखिल भारतीय तकनीकी शिक्षा परिषद्, 7वां तल, चन्द्रलोक भवन, जनपथ, नई दिल्ली-110 001" को पत्र भेजकर भी मंगवाया जा सकता है। विधिवत् भरे हुए आवेदन पत्र तथा प्रकाशित कृति की चार प्रतियां, अभातशिप में दिनांक 29 जुलाई, 2011 तक अवश्य प्राप्त हो जानी चाहिए।

सदस्य सचिव

Inauguration of ISTE Chapters and Students Chapter

HARYANA

- **Gateway Institute of Engineering and Technology, Sonipat** Chapter was inaugurated on 2-4-2011 by Prof. J.S. Saini, Dean Engineering Colleges, Deenbandhu Chottu Ram University of Science and Technology, Murthal. On this occasion one day seminar on **E-Waste Management** was also organised. The programme was coordinated by Ms. Nisha Dahiya, Assistant Professor and Ms. Tek Dharni, Assistant Professor, Faculty of Humanities.



Inauguration of the Chapter and Seminar on "E-Waste Management".

TAMIL NADU & PONDICHERRY

- **Women's Polytechnic College, Puducherry** Chapter was inaugurated on 16-5-2011 by Shri G. Paneerselvam, Director, Department of Higher and Technical Education cum Member Secretary, PIPMATE. Prof. S.A. Sreenivasan, Executive Council Member of ISTE and Sri Meenakshi Kumar, Chairman, Puducherry Council, CII felicitated the gathering.



Inauguration of the ISTE Chapter on 16-5-2011.

- **Alpha College of Engineering, Thirumazhisai, Chennai** Chapter and Students Chapter were inaugurated on 21-5-2011 by Prof. C. Chinnaraj, Project Coordinator (TEQIP), Directorate of Technical Education, Tamil Nadu.



Prof. C. Chinnaraj delivering the address during the inauguration of the ISTE Chapter and Students Chapter on 21-5-2011.

POETRY BITS

LIFE

Life is like swinging which can be fun,
but not if you get sick swinging backwards.
You can learn to enjoy swinging if you tell
yourself on every backward swing,
"it is great ! It is wonderful!"
In life, too, if you have to do thing,
tell yourself you really enjoy doing it!

— Anonymous

!! ATTENTION MEMBERS !!

We request all the members to update their communication address to send the Newsletter via Book-Post at their individual addresses. It is also requested that ISTE members may inform this to other senior members and friends whom they know to update their addresses as well, so that ISTE Newsletter will reach to all the members individually. Members may send their correct and revised communication address including name, membership number, email, telephone, mobile, fax numbers etc. to the following address as early as possible:

The Executive Secretary

Indian Society for Technical Education
Shaheed Jeet Singh Marg,
New Delhi - 110 016
Phone : 011-26513542, 26963431;
Fax : 011-26852421
Email : istedhq@vsnl.net;
Website : www.isteonline.in

HEALTH CORNER

SOYA

Soya is a wonder food. It is rich in essential omega fatty acids which improve cardiovascular, nervous and immune systems. Lecithin, the waste product from Soya dissolves gall stones, removes visceral fat from the liver and supports weight loss. Soya improves cellular function and energy. An ideal dose of lecithin is 2 gms a day for weight loss and .5 to 1 gm a day for maintenance.

— Dr. Malini Chaudhri
Center for Wellness, Delhi