

# Indian Society for Technical Education



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## Student Engineers : Practising Professionals

Technological development is moving at a faster pace compared to the skills developed by the student engineers at our institutions. Preparing the engineers to industry-ready professionals is the need of the present engineering education. The concern of the day is that of producing employable engineers ready to take up jobs as professionals.

Saintgits College of Engineering, Pathamuttom, Kottayam (Kerala) organized the 47<sup>th</sup> ISTE National Annual Convention during 27-29 January, 2018 with the central theme as '**Transform Student Engineers to Practicing Professionals**'. The theme is quite relevant when the quality crunch of technical education is much debated across various stakeholders.

The excerpts and salient observations are presented here as under.

### 1. Preamble

We know that All India Council for Technical Education (AICTE) has established National Board of Accreditation (NBA) with a purpose to ensure the quality of Technical Education. Most of the accreditation boards around the world give importance to the outcome of students as engineers and their acceptability as practicing engineers.

The NBA carries out inspections to satisfy itself in terms of the course contents, programme outcome and the Student's performance. Paradigm shift in Pedagogical process, Concentration on placement, Project based learning and Outcome Based Education (OBE) are some of the areas for which the attention need to be concentrated so that our engineers are tuned to adopt the reality of the field easily and comfortably.

### 2. Paradigm (pattern) shift in pedagogical process

Generating interest through innovative pedagogical practices is indeed the need of the day. Active and reflective learning, project based learning and learning

by doing can develop intellectual faculty appropriate to adoption for various situations in life. The educators have to redefine their role and act as facilitators for powerful and resourceful development of the students at the institutes to help them for effective performance in subsequent life as engineers. It is imperative that the pedagogy (mode of teaching) should be more meaningful and contextual with the need of time.

Nevertheless the attention to outcome based education should not be missed. The quality of education and the aim of producing skilled engineers befitting the expectation of the profession must go hand-in-hand. Ideal engineering education must aim at teaching the engineering fundamentals along with enriching skills necessary for employability.

### 3. Placement and OBE

The focus of engineering graduates is the placement. The rating of any institute is also evaluated from the placement it enjoys. The institute necessarily desires good placement because it helps to attract keeping up and increasing the intake. It is also one of the factors that the students and the parents look for selecting the institute for admission.

Outcome Based Education (OBE) is the need of the day. OBE can help to reduce the gap between the academic programmes and the skill expected by the industry. Our programmes need to inculcate awareness to mitigate the gap which exists to day. This is a paramount essentiality for the academic institutes. It is evident that the outcome based education is also a key to adequate employability resulting into satisfaction of student engineers, parents and the employers. OBE helps the student engineers to become efficient practicing professionals in their career.

### 4. Project Based Learning

The project based learning is important instructional approach to be adopted in our programmes. It helps to

## **Student Engineers : Practising Professionals contd.....**

explore the skill potentiality of the students. There are number of skills which our engineers need possess to work as professionals. These skills include Communication skill, Research skill, Management skill, Leadership skill, Skill to face odd situations and Tenacity to solve difficult problems etc.

There is a difference between attending class room lectures or to take up a project by oneself at laboratory or in the field. The students face the reality and the challenge to work out with the project assignments helping them to inculcate various skills and the development of those faculties which have remained hidden in their personality.

The project based activity when taken up by group of students helps to cultivate spirit of collective working and understanding the importance of consensus in decision making. Project based learning also increases the motivation and sense of satisfaction to students.

Needless to mention that our programmes must incorporate to combine both the components of class room teaching and the project based learning. One strengthens the students with the theoretical fundamentals of engineering and the other makes them to use their talent. Both are essential for successful career as engineers.

### **5. Quality Assurance**

The world of profession has input of student engineers from the academic institutions. It expects higher standard of output from the educational institutes. It is therefore necessary that our technical education system should rise to the occasion to prepare appropriate output which is accepted by the industry and is employed usefully by it. The collaborative and inter-relational research projects for the teaching faculty and students in consultation with the professionals can help to raise the quality output of the institutions.

The quality in engineering education through support of industries with a combination of academic and industrial environment along with e-learning methodologies can go a long way to attain quality assurance needed for the purpose to settle with the requirement. The industry-institution interaction should be encouraged to improve the excellence of faculty and the students.

Setting up of Research Park is one of the methods to promote effective interaction which can help to enhance the quality assurance at the institutions. The idea is to encourage industries to set up their research centers in educational institutions utilizing the laboratories, the faculty and the students and conduct research in the area of their choice. The institutions can

also develop special assignments to be handed over to the faculty for maintaining the quality. The important features to assess the performance of an institution for quality are Teaching, Research, Entry standards, Student to Staff ratio, Library and computer facility and the Placement of the students.

### **6. Challenges before the present Technical Education**

The challenge before the technical education is to transform the society. The future will be powered by human centered characteristics rather than the task based revolution.

The work place should be now life of comfort and pleasure. The technology should cease to be mechanized activity. The learning needs to reduce the gap between the humanities and social sciences as well as between science and technology.

The technical education now needs to adopt interdisciplinary teaching, research and innovation. There is now pressure on reducing the gap between the requirement of the society and the outcome of the education activity. The technical education has a challenge that it should be more on par with recent trends and the future of what is happening in the society.

The coherent model keeping in view the revolutionary process need be effectively adopted. The industry wants change in the way our technical education is operating. It will now look for its requirements in view of horizontal competitions and the global expectations. The line of recent practice as well as the future universal practice will constantly affect our planning.

The new technologies and practical engineering methodologies require to bridge the gap between the professional world and the outcome of the students as engineers. Our technical education system cant remain as what it is to-day. Our curriculum needs to be revamped that engineering students get exposed to the reality of the professional practice.

Our engineering students need not be only theoretical outcome but they must be ready to be employed adequately. Our engineering outcome aspires for career making placement so that there is a bright future and satisfaction of job. Can we meet with all these challenges?

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## APPEAL TO CONTRIBUTE NEWS/ARTICLES FOR ISTE NEWSLETTER

The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in the country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. ISTE publishes monthly Newsletter which was earlier circulated to all life members, institutional members, Central & State Government Officials, Industry Associations and Corporate Offices. Considering the commitment towards going green, ISTE has stopped printing of Newsletter since a few years and serving readers by providing soft copy of the same on the official website "www.isteonline.in"

ISTE has been receiving innovative suggestions from all members for further enhancing the eminence of the Newsletter by introducing theme based articles from its members, corporate world, success stories of Industrial engineers, best practices at Institutions, technological innovations worldwide, etc. so as to benefit the readers. The Newsletter shall continue to include information of activities conducted under ISTE faculty chapters, students chapter, notifications related to schedule of ISTE various programs/activities, national/regional awards, etc.

ISTE hereby solicits articles not exceeding 300 words based on the theme from its members & stakeholders in word file only along with good quality photo (preferably 6 cms x 4 cms) in JPEG format. Institute members can send success stories of their students, staff who have made excellent, outstanding and exemplary strides in technical/industrial field. The success stories should be in a word file and should not exceed 400 words and should be accompanied by a good quality photo (preferably 6 cms x 4 cms) in JPEG format.

All articles, information and photo (in JPEG format) with caption should be sent in a word file to **istenewsletter@gmail.com**. Selected articles/information with good quality photos will be published in the ISTE Newsletter. The correspondence address is as follows:

### The Executive Secretary

Indian Society for Technical Education  
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Website : [www.isteonline.in](http://www.isteonline.in)



## QUOTE FOR THE MONTH

### Happy International Yoga Day

"Yoga teaches us to cure  
Yoga teaches us to power equip,  
Yoga teaches us to fit mentally,  
Yoga teaches us to strong physically,  
What we need not be endured and  
Endure what cannot be cured"

## WIT AND WISDOM

- Nature has given you a face, but you have to provide the expression. Be careful when you express, because your every expression will live an impression.
- Sometimes be blind to the faults of others. It brings peace in your life because people won't change. You have to change your way of accepting others.
- A Tree, that wants to touch the sky must extend roots into earth. More it wants to rise upward, more it has to go downwards. So, to rise in life, we must be down to the earth.
- We are responsible for what we are, and whatever we wish ourselves to be, we have the power to make ourselves.  
— Swami Vivekananda
- Learn from yesterday, live for today, hope for tomorrow. The important thing is not to stop questioning.  
— Albert Einstein
- Virtually nothing is impossible in this world if you just put your mind to it and maintain a positive attitude.  
— Lou Holtz
- Optimism is the faith that leads to achievement; nothing can be done without hope.  
— Helen Keller
- One of the most efficient ways you can improve your life is by simply thinking in a more positive way.  
— Robert Norman
- Success in any aspect of your life is a result of planning out your goals and utilizing your creativity.  
— Komail Haider
- A confident person exhibits self-trust - they trust that their decisions are the best ones for them.  
— Kevin McComas



## ACTIVITY FOR THE MONTH

### TOPIC FOR DISCUSSION

#### Climate Action

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



## NEWS FROM ISTE FACULTY AND STUDENT CHAPTERS

### ANDHRA PRADESH

- **S.R.K.R.EngineeringCollege,Bhimavaram**organised13th edition of NIPUNA, a two days National Level Techno-Management Symposium **NIPUNA'19** on 1-2 February, 2019. The inaugural address was delivered by the Chief Guest Sri K. Narayana Rao Garu, Vice President (HR), NCC Ltd., Hyderabad. The Guest of Honour was Dr. S.R.K. Reddy Garu, Advisor to Management, Gudlavalleru Engineering College.



Dignitaries during the inauguration of Symposium NIPUNA'19.

### GUJARAT

- **Atmiya University, Rajkot** organised a students development program on **Shaping the Young Mind** on 26-6-2019. The objectives of the program was to make students aware of career opportunities for mechanical engineers and attitude development to get employable ready. The session was delivered by Dr. Ghanshyam Acharya and Prof. Manojkumar Sheladiya.



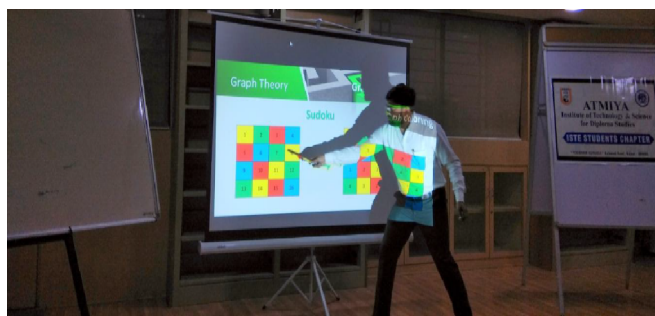
Inauguration of ISTE Students Chapter by the dignitaries

- **Atmiya Institute of Technology & Science for Diploma Studies, Rajkot** organised seminar on **Memory Techniques** on 01-12-2018. Mr. Paresh Bhatt was the expert from The Advice & Assist Company.



Expert delivering the address during the seminar.

- The Chapter also organised **National Mathematics Day** on 22-12-2018. On this occasion seminar was organised on the theme **Mathematics for Life** for the 4th semester students of Automobile & Electrical Engineering branches. The seminar was arranged for 90 minutes with 62 participants and remained very interactive and informative for the students.



Seminar during the National Mathematics Day.

### TELANGANA

- **Siddhartha Institute of Engineering & Technology, Ranga Reddy Dist.** organised two days Faculty Development Programme on 28th & 29th June, 2019 on the theme **Effective Teaching Methodology**. The programme was inaugurated by Dr. M. Lakshmi Narayana, Assoc. Director/DLRL and Dr. S. Vijaya Mohan Rao, Principal of the institution. Dr. Y. Padma Sai, Secretary, ISTE Telangana Section delivered a motivational speech during the valedictory function and distributed the participation certificates to the participants.



Dignitaries on the dais during the inauguration of FDP.



Distribution of participant certificates during the Valedictory Function.

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

Editor



## NEWS FROM ISTE FACULTY AND STUDENT CHAPTERS

- **VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad** conducted Faculty Development Programme on **Robotics & Artificial Intelligence** on 25-6-2019. A five days hands-on training programme sponsored by the MEIT under the Ministry of ICT, Government of India jointly organised by the Electronics & ICT Academy, National Institute of Technology, Patna. Dr. Y. Padma Sai, Professor & Head, ECE Dept. was the Coordinator for the programme. The sessions was delivered by the experts from IIT-Delhi, IIT-Kanpur, NIT-Warangal, IIITDM-Jabalpur and BARC.



Participants and Faculty during the programme.

- **Bharat Institute of Engineering and Technology, Hyderabad** Dept. of Electronics & Communication and Mechanical Engineering students participated in the event **AICTE-ECH-ISTE Chhatra Vishwakarma Award 2018** under the theme **Agriculture and Food** conducted at SRKREC, Bhimavaram and won the 1st, 3rd and 4th position.



Dignitaries on the dais during the inauguration of AICTE-ECH-ISTE Chhatra Vishwakarma Award at SRKREC, Bhimavaram.



Award winning students.

### TAMIL NADU

- **Sri Ramakrishna Engineering College, Coimbatore** organised one day National Seminar on **CMOS Intelligent Sensors** on 18-2-2019. Mr. B. Bhuvan, Assistant Professor,

NIT Calicut inaugurated the seminar and presented the lecture on introduction to Sensors in CMOS Technology. The chapter also organised workshop on **Development of IoT Applications using CC3200** on 8-3-2019. The resource person was Mr. P. Muthupandi, CEO and Founder VOID Binary Research Lab, Coimbatore.

The chapter further organised **World No Tobacco Day 2019** jointly with National Service Scheme for the college drivers and non-teaching staff on 6th & 7th June, 2019. The camp was conducted by a team of doctors from Sri Ramakrishna Dental College and Hospital. More than 50 college drivers and non-teaching staff benefitted out of this programme.

- **Kings College of Engineering, Thanjavur** organised seminar on **Materials and Its Applications** on 7-3-2019 delivered by Mr. J. Rajaparthiban, Assistant Professor, Dept. of Mechanical Engineering for the faculty members of the institutions. Another seminar on **Acquisition of Language through Cognition** on 11-4-2019. Shri K. Albert Lawrence, Assistant Professor, Dept. of English was delivered the seminar.
- **Kongunadu College of Engineering and Technology, Trichy** organised guest lecture on **Career Guidance Programme** on 22-6-2019. Dr. PSK R. Periaswamy, Chairman, Kongunadu Institutions presided over the function. The Chief Guest for the function was Mr. A. Kalaiselvan, District Employment Officer, Trichy delivered the keynote address. More than 500 members attended the programme.



Dignitaries on the dais during the guest lecture.

- **Arunachalam College of Engineering for Women, Nagercoil** organised one day workshop on **Career Guidance and Knowledge Sharing** on 14-9-2018. The resource person was Er. J. Crown Luther, Assistant Engineer, Tamilnadu Police Housing Corporation Ltd., Chennai



Dr. S. Joseph Jawhar, Principal delivering the inaugural address during the workshop.

## AICTE-MODEL CURRICULUM - NEED FOR A GENERALIST

Ever since India became a permanent signatory of the Washington Accord in 2014, outcome-based education (OBE) is being followed and implemented by all the technical Universities and Institutions in the country. There are several problems plaguing the Indian technical education system.

Understanding the seriousness of the problems, AICTE under the leadership of its current chairman Prof. Anil D. Sahasrabudhe has embarked on a mission to improve the technical education in the country. The Model Curriculum for Undergraduate Degree Courses in Engineering & Technology has been painstakingly prepared by forming several subcommittees discipline wise, ably headed by renowned professors from IITs and other institutions of national importance and industries.

Some of the salient features of the curriculum - is to reduce the number of credits required for getting the undergraduate degree in engineering & technology from 200 to 150 or 160. The students have the flexibility to get a B.E (Honors) degree with an additional minor in engineering by completing an additional 20 credits mainly through MOOCs. The focus of this curriculum is on basic science and engineering science courses, with a drastic reduction in the professional core courses. The introduction of compulsory project work or summer internship from fifth semester onwards till eighth semester, gives the curriculum a professional touch similar to a program in medicine, with total credits of 15 and introduction of open electives which includes courses in Humanities / Social Sciences / Management from fifth

semester onwards till eighth semester and the mandatory (noncredit courses) are other salient features. The emphasis is on the involvement of students more in practical/lab work/ project work, rather than holding them in class rooms with theory classes.

The curriculum emphasizes on the basic technical knowledge and skills, with less emphasis on specialization and brings in generalization, which an engineering graduate need to possess in this modern competitive world. The core courses have been formulated considering the common themes of the program and avoiding duplication in learning by the students. Mandatory courses include Essence of Indian traditional Knowledge, which highlights the need to understand and safeguard this knowledge. Thus the curriculum strikes a balance between the conventional and nonconventional approaches of teaching-learning engineering, putting the focus on 'outcomes' in learning rather than 'rote learning' and has been prepared considering the wisdom drawn from the IIT system, which is a successful 'technical education' model in India and has been working well since the last fifty years. It is high time all the technical Institutions and Universities adopt this model curriculum and adapt it as per the local requirements and provide the best technical education to our students, which will be at par with some of the best technical education systems in the world.

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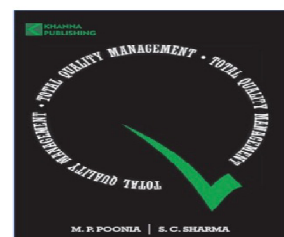
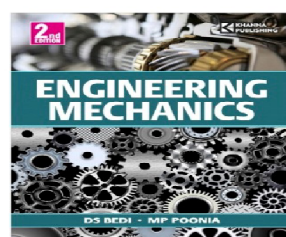
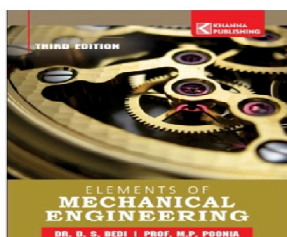
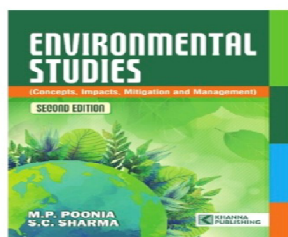
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### Books authored by DR. M.P. POONIA, Vice Chairman, All India Council for Technical Education (AICTE)



#### ABOUT THE AUTHOR



**Dr. M.P. Poonia** is presently serving as Vice-Chairman, All India Council for Technical Education (AICTE).

Prior to this, he remained as Director, National Institute of Technical Teachers' Training and Research (NITTTR), Chandigarh. Dr. Poonia is the recipient of Bharat Mata Award conferred by Indian Institute of Oriental Heritage (an International Institute of Oriental Studies and Research, Kolkata). Dr. M.P. Poonia is specialized in the field of Mechanical Engineering. He possesses a vast experience of 30 yrs.

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## NOTIFICATION OF ISTE STUDENT AWARDS 2019

ISTE is unique in the fact that among the professional Societies in India, it is only the ISTE that gives every year a number of National and Regional Student Awards to encourage innovation and excellence among teachers and students. All these awards were instituted by various organisations.

NOMINATIONS are invited from the ISTE student members of all Government, Aided and Unaided Institutions for the various **ISTE STUDENTS AWARD 2019**. The forms are available in the website "[www.isteonline.in](http://www.isteonline.in)". Therefore, all Head of the Institutions/Chapter Chairmen/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, 2019.** The Awards will be given to winners during the **22nd ISTE Annual Students Convention to be held during October, 2019.**

### 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 Engg. & 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.



## NOTIFICATION OF ISTE STUDENT AWARDS 2019

- 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 including the NITs, University-Colleges, Engineering Depts., Engineering & Technology Colleges etc.

**Award Details :** Cash Prize, Medallion and a Citation.

- 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 Student 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 October, 2019. 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, 2019.**

### ISTE Best Student Award 2019 (one from each student chapter)

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 2019** to the Students during the **Section Level Students Convention**. Student Chapters are kindly requested to get in touch with their Section regarding date, time & venue of the Convention.

**Executive Secretary, ISTE**

## NEWS FROM ISTE SECTION

### KARNATAKA

- 15th Annual State Students Convention of ISTE Karnataka Section was held at Mangalore Institute of Technology & Engineering, Moodabidri on 6-10-2018. Dr. C.K. Subbaraya, Chairman, ISTE Karnataka Section inaugurated the convention and stressed on the need of providing humanitarian approach in the field of technical education followed by felicitation of ISTE Office Bears by Dr. G.L. Easwara Prasad. The theme of the convention was **Skilling India for Environmental Sustainability and Economic Growth**, which was a great platform to highlight on the need for Alternate Building Materials, Aviation : Today & Tomorrow, Climate Change etc. Dr. G.L. Easwara Prasad, Principal, MITE presided over the inaugural function. Dr. Subbaraya released the Convention proceedings and distributed ISTE Best Student Awards. Prof. Nijananda Reddy, Secretary, ISTE Karnataka Section graced the occasion as guest of honour. Prof. Saviraj A.S. was the Convener of the Convention and delivered the welcome address. Dr. C.R. Rajashekhar, Vice Principal delivered the vote of thanks. Around 300 students from various institutions across the state actively participated in the convention and making the convention a grand success.



Inauguration of Annual State Student Convention of ISTE Karnataka Section by the dignitaries on the dais.



Prize distribution to the winners of various events.

## Subscription Rates for the Indian Journal of Technical Education

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	1 year	2 years	3 years
ISTE Members	Rs.550/-	Rs.1000/-	Rs.1600/-
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Non-member educational & Research Institutions and other individuals	Rs.900/-	Rs.1750/-	Rs.2500/-
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### DELHI

- Dr. Pratapsinh Kakaso Desai, President, ISTE and Dr. N. K. Gupta, Chairman-ISTE Delhi Section visited School of Engineering Science & Technology, Jamia Hamdard, New Delhi and have a meeting with Prof. M. Afsar Alam, Dean-SECT & Faculty Advisor, ISTE Faculty Chapter. Prof. Alam presented a recently published book on 'Green Computing Approach Towards Sustainable Development' to the dignitaries as a token of gratitude. Dr. Jawed Ahmad and Ms. Sapna Jain faculty members were also present.



Hon. President, ISTE Prof. Pratapsinh K. Desai receiving the book alongwith other dignitaries.

## NOTIFICATION OF ISTE M.TECH. THESIS AWARDS 2019

NOMINATIONS are invited from students of all Government, Aided and Unaided technical Institutions for the ISTE Best M.Tech. Thesis Awards in various disciplines for the year 2019. Details regarding each award and nomination forms are available in the ISTE website "[www.isteonline.in](http://www.isteonline.in)". The last date for submission of all the nominations to ISTE Hqrs., New Delhi is **August 31, 2019**. Please contact the Head of Institution for these awards. The awards will be distributed during the ISTE Annual Students Convention which will be held during October/November this year.

1. **ISTE-GSFC National Award for Best M.Tech. Thesis in Mechanical Engineering** instituted by Gujarat State Fertilizers Co. Ltd., Baroda in 1989.

**Eligibility :** Full time P.G. Students of Engg. Colleges

Award consists of cash prize (Rs.10,000/- I Prize, Rs.6,000/- II Prize), a medallion and a citation.

2. **ISTE-IPCL National Award for Best M.Tech. Thesis in Chemical Engineering** instituted by the Indian Petrochemical Corporation Ltd., Baroda for promoting research work among post-graduate students in Chemical Engineering.

**Eligibility :** Full time P.G. Students of Engg. Colleges

Award consists of cash prize (Rs.10,000/- I Prize, Rs.6,000/- II Prize), a medallion and a citation.

3. **ISTE-L&T National Award for Best M.Tech. Thesis in Electrical/Electronics Engineering** instituted by Larsen & Toubro Ltd., Bombay to promote post-graduate research in the area of Electrical/Electronics Engg.

**Eligibility :** Full time P.G. Students of Engg. Colleges

Award consists of cash prize (Rs.10,000/- I Prize, Rs.6,000/- II Prize), a medallion and a citation.

4. **ISTE National Award for Best M.Tech. Thesis in Civil Engineering** instituted by Smt. Saraswathi Bai and Dr. S. Venkoji Rao of Tirupati

(Andhra Pradesh) in memory of their late sons Shri S.Sridhar and Shri S. Giridhar to promote research in the area of Civil Engineering at the Post-graduate level.

**Eligibility :** Full time P.G. Students of Engg. Colleges

Award consists of cash prize (Rs.10,000/- I Prize, Rs.6,000/- II Prize), a medallion and a citation.

5. **ISTE National Award for Best M.Tech. Thesis in Agricultural Engineering** instituted by the Organisers of the 28<sup>th</sup> Annual Convention of ISTE held at Punjab Agricultural University, Ludhiana during November, 1998.

**Eligibility :** Full time P.G. Students of Engg. Colleges

Award consists of cash prize of Rs.10,000/- for the best thesis, a medallion and a citation.

6. **ISTE-Kings College of Engineering National Award for Best M.E./M.Tech. Thesis in Engineering to promote research in agricultural applications and/or rural development** instituted by the Management of Kings College of Engineering, Punalkulam, Pudukkottai Dist., T.N. during the 18th ISTE National Students Convention.

**Eligibility :** Students studying any discipline in post graduate engineering or technology in any institutions including the IITs, NITs, State Level Engineering Colleges, University during this year or who is completing the degree course at any time during this year is eligible to compete the award. Award consists of a cash prize, a medallion and a citation.

All the nominations should reach this office on or before the last date to the following address :

The Executive Secretary  
Indian Society for Technical Education  
IIT Campus, Shaheed Jeet Singh Marg,  
New Delhi - 110 016  
Phone : 011-26513542, 26963431  
Email : [istedhq@isteonline.org](mailto:istedhq@isteonline.org)  
Website : [www.isteonline.in](http://www.isteonline.in)

**SUCCESS AWAITS ONLY THOSE WHO MAKE A TRY!**



## INAUGURATION OF ISTE FACULTY AND STUDENTS CHAPTER

### KARNATAKA

- **Vivekananda Institute of Technology, Bengaluru** ISTE Faculty Chapter was inaugurated by the Chief Guest Dr. S.M. Shashidhara, National Executive Council Member on 9-10-2018. Dr. M.S. Bhagyashekar, Principal of the Institute presided over the function. Shri H.G. Balagopal, Hon. Secretary, JES addressed the gathering with his inspiring and enriching speech. Prof. Vanajakshi, Associate Professor, CSE Dept. was the Chief Coordinator and gave the brief introduction.



Dignitaries during the inauguration of ISTE Faculty Chapter.

### TAMIL NADU

- **Rajalakshmi Engineering College, Chennai** ISTE Students Chapter was inaugurated on 22-6-2019 by the Chief Guest Dr. K. Manivannan, Vice President, ISTE and delivered the inaugural address. Dr. S.N. Murugesan, Principal delivered the presidential address.



Dignitaries and students during the inauguration of ISTE Students Chapter.

## NEW E-MAIL Id FOR ISTE

Election to various bodies of ISTE are scheduled later this year. Therefore, it is requested to all the esteemed members of ISTE to kindly note the change of new e-mail - id for ISTE i.e. "[istedhq@isteonline.org](mailto:istedhq@isteonline.org)" for future correspondence. The old e-mail id of ISTE is deactivated by the service provider for operational reasons and not in use.

**Executive Secretary, ISTE**

## FORTHCOMING EVENTS

- International Conference on **Smart Automation in Computer, Electrical, Electronics and Communication Engineering (ICSA2K19)** will be organised by SRM Valliammai Engineering College, Kattankulathur during September 6-7, 2019. For details please contact : **Dr. M. Murugan**, Vice-Principal (Convener). Email : [icsa2k19@gmail.com](mailto:icsa2k19@gmail.com). Website : [www.icsa2k19.com](http://www.icsa2k19.com).
- International Conference on **Advances in Energy Management** organised by Jodhpur Institute of Engineering & Technology, Jodhpur during December 20-21, 2019 in association with Rajasthan Technical University, Kota. For details please contact : **Dr. K.R. Chowdhary**, Campus Director. Email : [info@jietjodhpur.ac.in](mailto:info@jietjodhpur.ac.in).
- First International Conference on **Advanced Communication & Computational Technology (ICACCT-2019)**, organised by National Institute of Technology, Kurukshetra during 6-7 December, 2019. For details please contact : Dr. Gaurav Verma, Organising Secretary. Phone : 09896004182. Email : [icacct2019@gmail.com](mailto:icacct2019@gmail.com)

## Proposals invited to host the ISTE National Annual Faculty and Students Conventions for the year 2019

As a regular annual feature, forty eight National Annual Faculty Conventions and twenty one Students Convention of ISTE have been held so far in different States. The major impact of these Conventions are instrumental in providing an opportunity for the Teachers, Educational Planners and Administrators, Students and all other stakeholders who are involved in the field of technical education to get together and share their views and to contribute the development of technical education system.

In this regard, Institutions are welcome to send their proposals for hosting the **22nd ISTE Annual Students Convention and 49th ISTE National Annual Faculty Convention**, which will be organised during October and December 2019 respectively. Proposals received will be placed before the ISTE Executive Council in its meeting for consideration.

Interested institutions are requested to send their detailed profile alongwith their willingness letter for hosting the Conventions to the following address:

### The Executive Secretary

Indian Society for Technical Education  
Shaheed Jeet Singh Marg  
Katwaria Sarai, New Delhi - 110 016  
Phone : 011-26513542, 26963431  
Email : [istedhq@isteonline.org](mailto:istedhq@isteonline.org)  
Website : [www.isteonline.in](http://www.isteonline.in)

## AICTE-ISTE SELF-SPONSORED SHORT-TERM TRAINING PROGRAMMES

### GUJARAT

- **B&B Institute of Technology, Vallabh Vidyanagar, Dist. Anand** conducted one week AICTE-ISTE approved SF-STTP on **Advanced Research Methodology** from 20th to 25th May, 2019.



Group photo of the participants.

- **Dharmsinh Desai University, Nadiad** conducted one week AICTE-ISTE approved SF-STTP on **Linux : Usage, Administration and Open Source Software** from 1st to 5th April, 2019.



Group photo of the participants.

### MAHARASHTRA & GOA

- **St. John Institute of Pharmacy and Research** conducted one week AICTE-ISTE approved SF-STTP on **Soft Skills for Teachers in Higher Technical Education** from 6th to 10th May, 2019. The programme was inaugurated by Prof. Vijay D. Vaidya, Executive Secretary, ISTE New Delhi and delivered the keynote address. Mr. Albert W. D'Souza, Chairman, Aldel Education Trust was the speaker for the programme and spoke about current scenario in higher technical education in the country and emphasised on need for training of teachers. Dr. Savita J. Tauro, Principal delivered the welcome address and Dr. Govind Asane, Vice Principal proposed the vote of thanks.



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

- **Priyadarshini Indira Gandhi College of Engineering, Nagpur** conducted AICTE-ISTE approved self-sponsored one week short-term training program on **Electrical Auto CAD and REVIT MEP** from 24th to 30th April, 2019. The Chief Guest of the function was Mr. Viraj Voditel, Director of Techtute Business Solution Pvt. Ltd. and Guest of Honour was Dr. Satish Sharma, Head of Electronics and Computer Science, Nagpur University, Nagpur.



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



Group photo of the participants

- **Sardar Patel Institute of Technology, Mumbai** conducted one week AICTE-ISTE approved SF-STTP on **Hands on Machine Learning and Deep Learning** from 13th to 18th May, 2019. The resource persons for the program were Shri Rahul Iyer, Reliance Industries Ltd.; Mr. Rocky Jagtiani, Suven Consultants & Technology Pvt. Ltd. and Mr. Santosh Chapaneri, Assistant Professor, St. Francis Institute of Technology, University of Mumbai.

### TELANGANA

- **Nalla Narasimha Reddy Education Society's Group of Institutions, Ghatkesar, Medchal Dist.** conducted one week AICTE-ISTE approved SF-STTP on **Teaching with Technology** from 27th May to 1st June, 2019.

### TAMIL NADU

- **K.L.N. College of Engineering, Pottapalayam, Sivagangai Dist.** conducted one week AICTE-ISTE approved SF-STTP on **Enhancement of Smart Grid to Smart Cities** from 6th to 10th May, 2019. Dr. A. Srinivasan, Professor and Head, Dept. of EEE, Sethu Institute of Technology, Kariapatti was the Guest Speaker for the programme and he explained about the power grid, load dispatch centre (LDC)
- **Government Model Engineering College, Ernakulam** conducted one week AICTE-ISTE approved SF-STTP on **Deep Learning with Tensor Flow** from 20th to 31st May, 2019. The coordinator for the programme was Jaimon Jacob.

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

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