

Information & Call for Papers



TWENTY-FIFTH

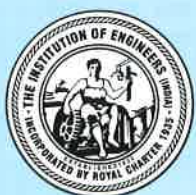
IEI Convocation and Technicians' / Students' Convention

Goa, October 28-29, 2017

All-India Technicians' / Students' Seminar and Technical Session



Role of Engineers towards Skill India Mission



The Institution of Engineers (India)

8 Gokhale Road, Kolkata 700 020

Hosted by : Goa State Centre



TWENTY-FIFTH IEI CONVOCATION AND TECHNICIANS'/STUDENTS' CONVENTION GOA, OCTOBER 28-29, 2017



PREAMBLE

The Institution of Engineers (India) [IEI] organised its First Convocation and Technicians'/Students' Convention in 1993 to award certificates to those who passed Sections A and B Examinations of the Institution in 1992 and has been continuing to organise the same for the last 24 years. To make this occasion even more purposeful, multiple events are planned, including a seminar on a contemporary topic, multiple technical sessions and awards to students' design competition and a general session. On this momentous occasion, three top ranking chapters will be honoured in both Technicians' and Students' Chapters category (both Engineering College/Polytechnic Students' Chapter), based on their technical activities over the year. Participation in such an event is an honour to participants and would help to build a sense of belongingness and provide a platform for building fellowship and create opportunities for networking and interaction with peers and senior members of the Institution. The ensuing Twenty-fifth IEI Convocation and the Technicians'/Students' Convention will be held at Goa during 28-29 October 2017 under the aegis of the Goa State Centre of IEI.

TENTATIVE PROGRAMME

October 28, 2017 (Saturday)	Kala Academy Campal, Panaji Goa 403 001
1000 h - 1800 h	Registration
1000 h - 1300 h	Seminar on 'Role of Engineers towards Skill India Mission'
1300 h - 1400 h	Lunch
1400 h - 1630 h	Technical Session
1630 h - 1700 h	Tea
1700 h - 1800 h	General Session-Interactive Session with HQ
October 29, 2017 (Sunday)	Kala Academy Campal, Panaji, Goa 403 001
0930 h - 1030 h	Meeting of AITC
1000 h - 1200 h	Registration
1100 h - 1200 h	Meeting of AISC
1300 h - 1400 h	Lunch
1545 h - 1600 h	Tea
1600 h - 1700 h	Convocation
1700 h - 1830 h	Award of Certificates and Distribution of Prizes
1900 h - 2000 h	Cultural Programme
2000 h	Convocation Dinner

ACCOMMODATION

Participants are requested to make their lodging and fooding arrangements in the vicinity of the venue of Convocation and Technicians'/Students' Convention (Kala Academy, Campal, Panaji, Goa 403 001) for ease of access to the venue. The nearest railway stations to the venue are Karmali and Margao. For any queries regarding accommodation, please contact : The Organising Secretary, Convocation 2017 as given under Contact Address.

CONVOCATION ESSENTIALS

- ◆ Recipients of the combined certificates of passing Sections A & B Examinations of IEI (Summer 2016 and Winter 2016) should wear the Convocation Robes during the Convocation period.
- ◆ The Robes will be available at the HQs Registration Counter on payment of maintenance charge of ₹100/-, together with a refundable security deposit of ₹500/- (in cash). The security deposit will be refunded to respective candidates after the culmination of the programme while returning back the Robes.
- ◆ Names of participants, who will be allotted and issued the Token Serial Numbers by the HQs Registration Counter before 12 noon on 29 October 2017, will only be called at the Dais for receiving their certificates.
- ◆ Recipients of combined certificates are requested to bring the Identity Card issued by IEI and also the original **Section B Grade Card-cum-Provisional Certificate**. The original combined pass certificate will not be issued without the production/verification of these documents at the counter under any circumstance.

REGISTRATION FEE

	Up to 30.09.17	On or after 01.10.17
Technician/Senior Technician/ Student of Engineering College/Polytechnic	₹ 600	₹ 800
Candidates passed Sections A & B Examinations	₹ 1000	₹ 1200
Students Chapters' Member of Engineering College/ Polytechnic	₹ 500	₹ 700
Corporate Member of IEI	₹ 1000	₹ 1200
Spouse/Guest	₹ 500	₹ 700
Sponsored (irrespective of all above grades) Delegates	₹ 1500	₹ 1700

The amount towards Registration Fee along with other charges, if any, should be sent by demand draft drawn in favour of 'The Institution of Engineers (India), Goa State Centre, payable at Panaji'.

CONTACT ADDRESS

Intending participants are requested to register themselves latest by 30 Sep 2017 with the remittance of the requisite registration fee to the address given below:

The Organising Secretary (Convocation 2017)
The Institution of Engineers (India)
Goa State Centre
D-8-1, Government Polytechnic Campus,
Altinho, Panaji, Goa 403001
Tele-fax: (0832) 2434686
For registration & any other information
E-mail : ieiconvocationgoa@gmail.com
Website : www.ieigoasc.org

ALL INDIA TECHNICIANS'/STUDENTS' SEMINAR

Besides Convocation, the multi-capsule technical programme includes All India Technicians'/Students' Seminar where Technicians/Senior Technicians and Student Members of the Institution representing Engineering Colleges and Polytechnics will get the opportunity to present the technical papers. This feature of presentation of papers has become a tradition since long which provides a platform for budding engineers to discuss around a central theme. The central theme for the Seminar is as follows :

ROLE OF ENGINEERS TOWARDS SKILL INDIA MISSION

India is one of the youngest nations in the world with more than 54% of the total population below 25 years of age. Her workforce is the second largest in the world after China. In the next decade, India's population pyramid in the 15-29 years group is expected to swell from the present 62%, giving her the advantage of having 32% increase in work force as compared to the developed nation where it would actually be on the decline! This great opportunity which is expected to continue for over two and half decades at least, can lead to economic growth provided her work force is equipped with employable skills.

At present, India's work force constitutes a majority with outdated and poor skills. By developing the necessary skills in this workforce, India will be able to fill the gaps in the world's manpower shortage and become the resource pool of the world. The Indian government has accepted this challenge of developing the highly trained workforce and launched many initiatives such as Make in India, Smart Cities, Digital India, Start-up India, of which Skill India forms the backbone.

The role of engineers towards the Skill India mission is vital. In India, we have more than 6000 engineering colleges admitting about 2 million students annually but, about 65-70% of the fresh engineers graduating in the core branches of engineering are not found 'job ready' by the industry. In order that the aim of training about 500 million people by 2020 for the improvement of work force and to increase productivity is achieved, a team of skilled teachers/trainers over a sustained period of time is necessary. The skill development has to be at the core of engineering. Engineers need to be equipped with latest technical know-how. Curricula in the engineering colleges need to be revamped in line with the global curricula. The skill development at all levels needs to focus on manufacturing practices suiting industry needs, a solid base of in-house tools and technology, stronger connectivity infrastructure such as telecom, IT, transport network, airports and promote private public partnerships.

Mission Skill India cannot succeed in isolation. All the stakeholders in the Skill India Mission viz. employers, policymakers, educators and youths need to work hand in hand towards a common goal. The dream of being the world's supplier of qualified skilled work force will be a reality when we assure skill in our qualified work force.

With this in focus, papers are invited from Technician/Senior Technician members, students of polytechnics and engineering colleges for presentation in the All India Technicians'/Students' Convention to be held on 28 Oct 2017 at Goa. The papers shall be on innovative ideas, design, prototype and technology development, case studies, survey details augmenting innovations, etc. pertaining to the theme.

Sub-themes

Technical papers are invited on following sub-themes based on 'Role of Engineers towards Skill India Mission' :

- ◆ Skill India Mission: Opportunities and Challenges
- ◆ Engineering Education for Mission, Skill India
- ◆ Technological Advancement to propel India in next three decades
- ◆ Employment Opportunities with Skilled Manpower
- ◆ Training the Masses: Path Ahead
- ◆ Equipping Engineering Colleges with Latest Curricula
- ◆ India going Global: Are we prepared?
- ◆ Role of Engineers in Technological Advancement, hands on Training and Meeting Employment Demand
- ◆ Industry Institute Interaction: Key to Skill India Mission
- ◆ Role of Infrastructure in Mission, Skill India

ALL INDIA TECHNICIANS'/STUDENTS' TECHNICAL SESSION

In addition to the All India Technicians'/Students' Seminar, there will be another session for Technicians/Senior Technicians/Student members (both engineering college and polytechnic categories), where technical papers on topics of choice of members will be presented and discussed. As in case of the All India Technicians' /Students' Seminar, the papers submitted for the Technical Session shall also be vetted and authors of selected papers will be asked for presentation of their papers for consideration of prize. There are nine prizes in three categories, namely, First Prize (three of ₹2000/- each); Second Prize (three of ₹1500/- each) and Third Prize (three of ₹1000/- each). For both the Seminar and the Technical Session, the papers shall be adjudged for award of prizes in three groups, namely (i) Technician/ Senior Technician members of IEI; (ii) Members of Engineering College Students' Chapters of IEI, and (iii) Members of Polytechnic Students' Chapters of IEI.

GUIDELINES FOR SUBMISSION OF TECHNICAL PAPERS

Please send your paper to : goaconv@gmail.com

The Organising Committee invites technical papers from the Technician/Senior Technician/Student Members of IEI for consideration of presentation of those short-listed papers duly vetted through a committee of experts and thereafter adjudge these papers for merit of award. The technical paper should be written in accordance with a set of guidelines. Salient points of the guidelines are given below:

- Last date for receiving papers at Goa State Centre of IEI is 25 Sep, 2017. Technical papers received after this date will not be considered for possible presentation.
- Three (3) copies of neatly typed manuscripts should be submitted.
- Text should be typed in double space on one side in A-4 size sheets and the contents should not exceed 1500 words including tables. The text must be in MS word and copied in a new CD to be sent along with three copies of the paper (please use 10 point Verdana typeface with both side justified format with 2.54 cm margin on all sides (A4 size), avoiding bold letters throughout the text.
- Figure(s), if any, should be featured at the appropriate place(s) in the text. In case of photographs, two (02) copies of only glossy black and white photographs for each depiction should be submitted. Colour photographs/diagrams are neither acceptable nor printed in the text.
- An abstract (within 100 words) of the paper and selected references, including name (s) of the author (s), title of the paper, name of the journal, volume no., and year of publication should be given at the end of the paper.
- Figures should be drawn neatly for better reproduction.
- Mathematical expressions should be typed/handwritten carefully indicating subscripts and superscripts, if any.
- Metric system of units (SI units) should only be used in the text and figures.
- **Technical papers should not be copied from any sources/downloaded from Internet. Prospective contributors are required to prepare papers on innovative ideas in any field of engineering.**
- Authors of selected papers will get the opportunity to present the paper with the help of power point presentation. Therefore selected authors are expected to bring pendrive with them. In case of joint authors, only one author will be permitted to present the paper.
- More weightage will be given on the material content of the technical paper. Due weightage will also be given on (i) delivery (mode of presentation); (ii) logical sequence leading to objective, and (iii) originality of idea or critical thinking.
- Generally 10 min will be given to an author for presentation of his/her technical paper.
- The prize winning papers at the Seminar/Technical Session may subsequently be edited and published in one of the forthcoming issues of Technicians' Journal and Students' Newsletter.
- Any query related to the technical paper submitted for presentation will not be entertained. The authors of selected technical papers will only be informed directly by the Goa State Centre of IEI, inviting them to present their papers in Seminar/ Technical Session. The authors, whose papers will not be selected, will also be informed accordingly. Complete mailing address mentioning grade/membership number (ST/T/SE/SP) of the author(s) with e-mail id and mobile number will help to communicate faster.
- **Authors, attending the Seminar/Technical Session, have to make their own arrangement for accommodation.**
- Second AC to and fro rail fare between the recorded address and Goa will be reimbursed (via the shortest route) to authors of selected papers by HQs of the Institution on submission of original copy of the railway tickets (both ways) (only one author per paper).

GENERAL INFORMATION

- On arrival at Goa, you are requested to register at the HQs Registration Counter at **Kala Academy** on 28 Oct 2017 (from 1000 h to 1800 h) or latest by 1200 h on 29 Oct 2017 at the same venue for issuance of Token Slip and the Convocation Robe.
- Original certificates of passing Sections A&B Examinations shall be sent by registered post/speed post to those candidates, who will not be able to attend the Convocation.

For further information, please contact

The Director (EEA)
The Institution of Engineers (India)
8 Gokhale Road, Kolkata 700 020
Phone : (033) 2223 9240/4010
4010 6273; Fax: (033) 2223 8345
E-mail: chapters@ieindia.org

The Organising Secretary (Convocation 2017)
The Institution of Engineers (India)
Goa State Centre, D-8-1, Government Polytechnic
Campus, Altinho, Panaji, Goa 403 001
Tele-fax : (0832) 2434686
E-mail : ieiconvocationgoa@gmail.com



The Institution of Engineers (India)

Twenty-fifth IEI Convocation and Technicians'/Students' Convention

Goa, October 28-29, 2017



Please complete the Registration Form given below in block letters and return the same, along with remittance, to The Organising Secretary (Convocation 2017), Twenty-fifth IEI Convocation, Goa State Centre, The Institution of Engineers (India), D-8-1 Government Polytechnic Campus, Altinho, Panaji, Goa 403001 latest by September 30, 2017.

FOR OFFICE USE ONLY

Serial No. :
Registration No. :
Acknowledgement No.

REGISTRATION FORM

Name..... Membership Grade: No:

Accompanying Person(s): Spouse: Yes/No Number of Guest (s):

Mailing Address:

E-mail id: Mobile No.:

Arrival Details: /10/2017 Flight/Train No. Arriving from Time

Departure Details: /10/2017 Flight/Train No. Departure to Time

REGISTRATION FEE FOR EACH PARTICIPANT

Up to 30.09.2017

On or after 01.10.2017

Technician /Senior Technician/ Student of Engineering College/Polytechnic	₹ 600/-	₹ 800/-
Candidates passed Sections A & B Examinations	₹ 1000/-	₹ 1200/-
Students' Chapter Member of Engineering College/Polytechnic	₹ 500/-	₹ 700/-
Corporate Member of IEI	₹ 1000/-	₹ 1200/-
Spouse/Guest	₹ 500/-	₹ 700/-
Sponsored (irrespective of all above grades) Delegates	₹ 1500/-	₹ 1700/-

Total Remittance :

Note :

All remittances should be made by Bank Draft payable to 'The Institution of Engineers (India), Goa State Centre, payable at Panaji (for registration in advance) or by cash (for spot registration).

Enclo : Bank draft no dated drawn on.....
of ₹

Date :

Signature of Delegate