Volume 2 Issue 5

IEI Newsletter
Students' Chapters

October 2020

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Session 2019-20

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From the Chairman's Desk.....

Dr Enti Ranga Reddy, FIE
Chairman
All India Students' Committee (AISC)

The engineering courses offered by different universities in our country offer intense knowledge in various subjects, both theoretical and practical. However, survey studies suggest that most of them are not employable. This stems from the fact that majority of the pass-out students have theoretical knowledge but has shortfall in the practical exposure required to excel in the professional domain. Additionally, with continuously upcoming new and emerging technologies, there is an increasing demand for skills to match with the industry requirement, which makes more essential that students undergo hands-on training on relevant skills of the rapidly evolving commercial world. The goal behind the skill development is to bridge the gap between academic skills and industry fulfillment, in other words, enhancing the employment or self-employment opportunities of engineering students. Skill development, in addition to the academic knowledge provides the vocational and technical training to the students, upgrades their skill and even helps in building new skill sets. This in turn moulds them towards innovative thinking not only for existing jobs but also jobs that are to be created. In excess to this soft skills, management skills forms a very important part of the skill set from the dawn of their career. People management, team coordination, emotional control, cognitive flexibility etc are some of the indispensable managerial skills. Technical companies prefer engineers who are creative and logical in their approach. Creativity and decision making skills differentiate human engineers from robots or machine and make their presence vital for the company. So, there is an urgent requirement of skill development course for the budding engineers. The course needs to be modified from time to time in alignment with the technical orientation of the industries. This may also require industry to partner with academic and technical institutions to implement dual model programs. Thus, the academia and the industry needs to be closure.

The Government has also planned for several skill development programs like Pradhan Mantri Kaushal Vikas Yojana (PMKVY) to train people across the various sectors of the country, implementation of National Policy for Skill Development for high quality high scale production, implementation of National Skill Development Mission to confer, coordinate, implement and monitor skilling activities on a pan-India basis, etc. Emphasis has also been given on entrepreneurship development. To achieve these, the Government has also felt the need to develop infrastructure and efficiency of the already existing skill development institutes and also establish new ones. Grant has also been arranged from World Bank for Small and Medium-sized Enterprise and for enhancing and integrating development of Indian Training Institutes. These initiatives focus to the 'Make in India' and 'Atmanirbhar Bharat' and emphasize on employment and a pool of skilled workforce.

The Institution of Engineers (India) has started organizing webinars on skill developments involving students from Students' Chapters. A webinar has already been organized in partnership with EduSkills, India in the month of September, 2020. We will be organizing more such events in future for the development of students members of our Students' Chapters located worldwide.

Webinar
on
'Emerging Technologies and Career Opportunities'

The Institution of Engineers (India) (IEI) organized a webinar on 'Emerging Technologies and Career Opportunities' on 21 September 2020 for the student members of Students' Chapters of IEI in association with EduSkills, India. The speakers were Mr Shirish V Pandey, APAC Lead, Red Hat Academy, Mr Amit Thakur, Head-Strategic Partnerships and GoDaddy Academy, Mr Manjunath Chandrashekhar, Program Manager, India, Blue Prism University Academy Program and Mr Shubhajit Jagadev, Executive Director, EduSkills, India. Dr S M Ali, Director (Membership) and Dr Enti Ranga Reddy, Chairman, All India Students' Committee, IEI also graced the occasion. Ms Lopamudra Sen, EduSkills, India delivered the welcome speech and Dr S M Ali welcomed all the speakers of the webinar. Dr Enti Ranga Reddy introduced IEI to the participants. He gave stress on the association of engineering students with any professional body for their future skill development based on the present industry requirement. He also thanked IEI and EduSkills for taking this initiative. Mr Shirish V Pandey mentioned that there is a huge demand of engineer's expert in open-source coding. Red Hat Academy provide hands-on instruction on platform, middleware, and cloud technologies needed as per present hiring practices. The Institute members of the academy can receive free instructor training and support, robust lab environments with flexible delivery options and comprehensive, printed, digital or online textbooks. Students also receive discount in certification examinations. Mr Amit Thakur stated that GoDaddy Academy provides certification program on web professional, web developer, web architect and digital marketing professional. They also offer modular programs and hands-on training that include database essentials, understanding websites, networking and hosting, learning web basic tools, PHP, Python, Cloud applications, design optimization etc. Mr Manjunath Chandrashekhar informed that Blue Prism is a United Kingdom based company with twenty years of experience in the field of robotic process automation. They expertise in automating different market-required processes like tax processing, leave-attendance management, training automation, account management etc. Blue Prism University provides world-class training about connected-RPA and method to apply contemporary artificial intelligence capabilities to automation. They have online self-based training, free hands-on lab, role-based certification, train the trainer classes, RPA certifications etc. Mr Shubhajit Jagadev thanked all the panelists and delivered the vote of thanks.

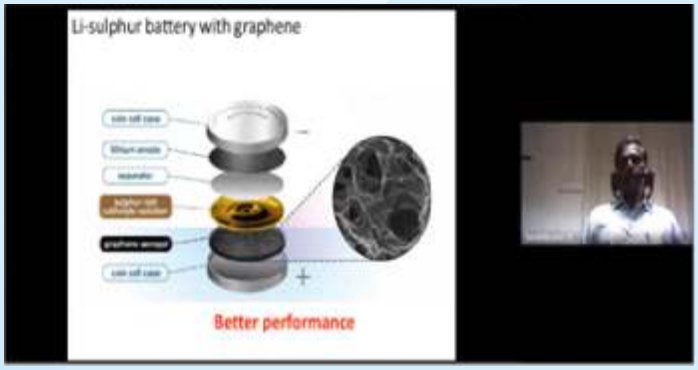
Screen-shot of the webinar

Ramco Institute of Technology (Tamil Nadu)

The Institution of Engineers (India) Students' Chapter of Department of Mechanical Engineering, Ramco Institute of Technology organised online technical quizzes on the topic 'Machine Design' on 22 August 2020 and 'Permutation and Combination' on 25 August 2020. The Chapter also organized two one-day webinars on 'Awareness about IE(I)' on 16 August 2020 and on 'Filing & Processing International Patent Applications' on 22 August 2020.

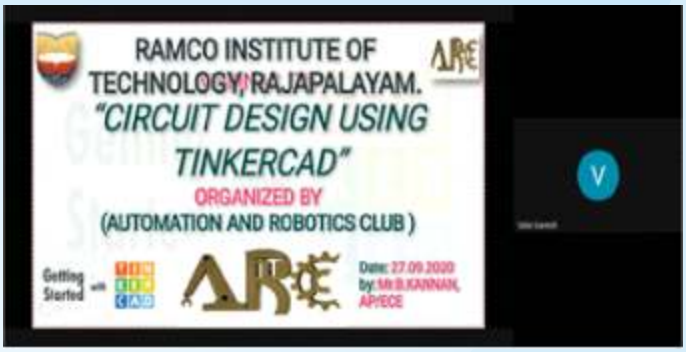
Screenshot of the webinar on 'Filing & Processing International Patent Applications'

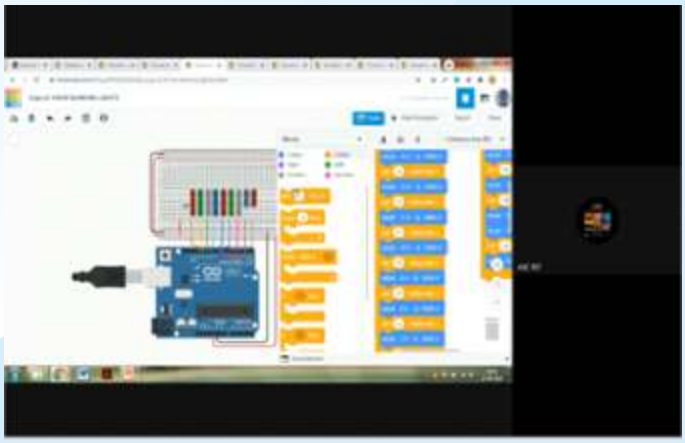
The Chapter organized a two-day webinar on 'Concepts and Applications of Physics, Chemistry in Technology for School & College Students' during 5- 6 September 2020.



Screen-shot of the event

The Chapter also conducted a webinar on 'Impact of Covid-19' on 12 August 2020 and 19 August 2020 and a webinar on 'Circuit Design Using TinkerCad' on 27 September 2020.



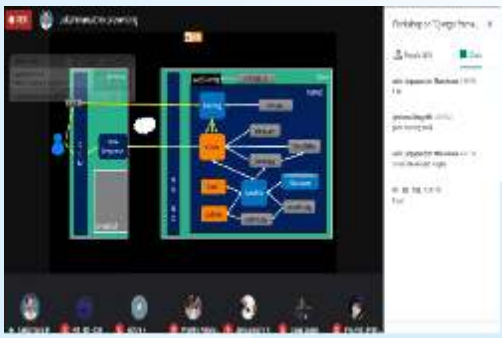


Screen-shot of the webinar on 'Impact of Covid-19'

Screen-shot of the webinar on 'Circuit Design using TinkerCad'

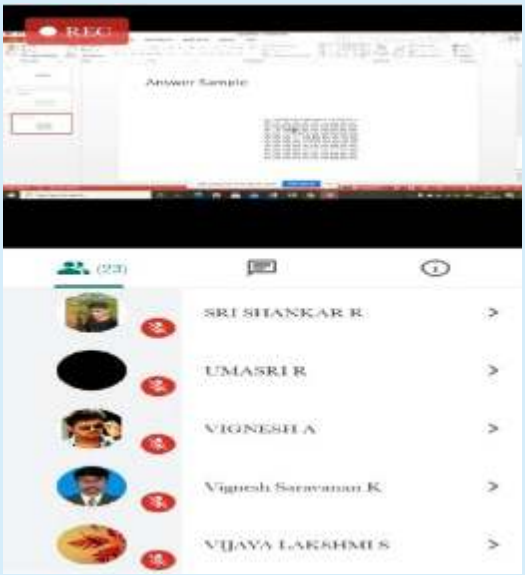
The Students' Chapter further arranged one-day aptitude quizzes on 'Ratios & Proportions' on 7 September 2020, 'Welding Technology' on 31 August 2020, 'Fluid Mechanics' on 14 September 2020, 'Verbal Aptitude ' on 21st September 2020 and 'Kinematics of Machinery' on 28 September 2020. The Chapter also organized online quizes on 'Engineering Thermodynamics' on 13 October 2020, 'Inequalities' on 20 October 2020 and 'Pipes and Cisterns' on 5 October 2020. They organized a two-days training on 'Case Studies in Deep Learning Hands-on Session using Google Co-Lab' during 16- 17 October 2020 and a online Workshop on 'Virtual Tools for Teaching & Learning Process' on 27 September 2020.

The IEI Students' Chapter of Department of Computer Science and Engineering of Ramco Institute of Technology conducted a two-day workshop on 'Building Web APIs using Django frameworks' during 15-16 August 2020.



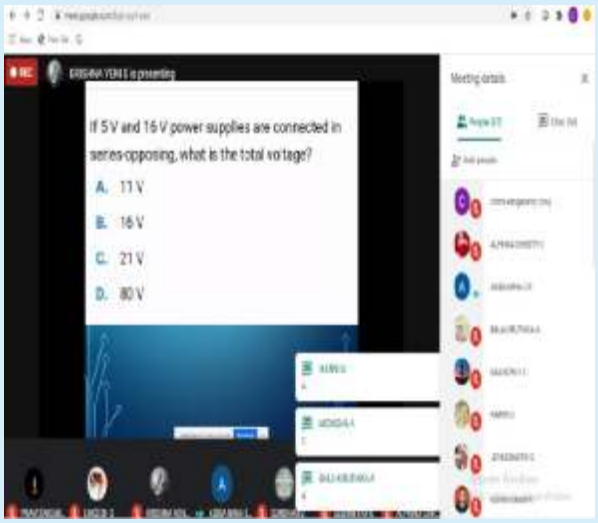
Screen-shot of the workshop

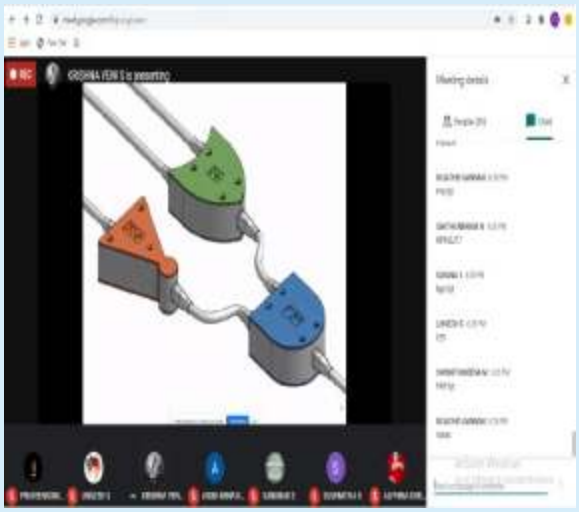
The Chapter also organized a webinar 'CodeJam' on 5 September 2020, an event 'Think & Do' on 20 September 2020 and a Group Discussion on 'Online Learning is more Challenging or Encouraging' on 6 September 2020.

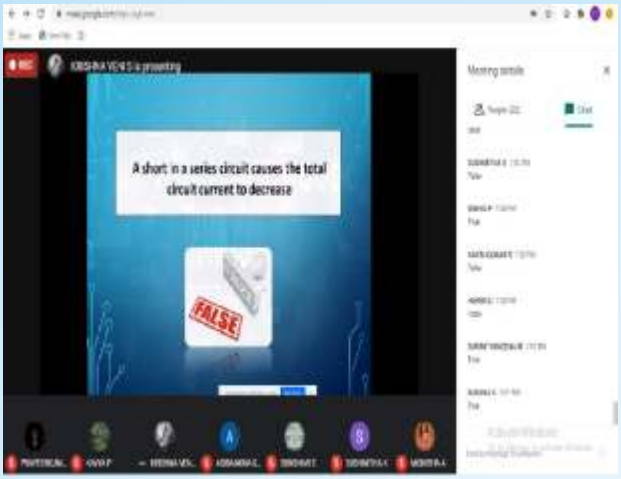


Screen-shot of the event

The IEI Students' Chapter of Electronics and Communication Engineering of Ramco Institute of Technology organized a webinar on 'Circuit Debugging' on 19 September 2020.

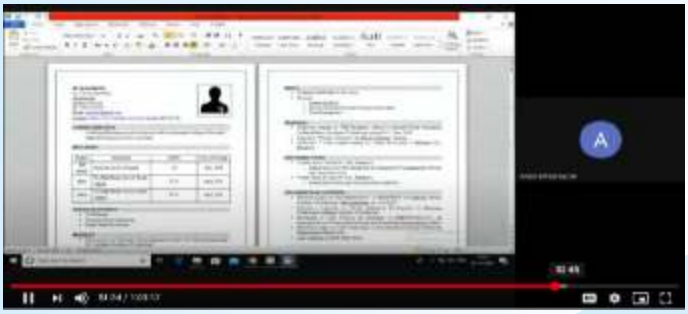






Screen-shot of the webinar

The Students' Chapter also organized a webinar on 'How to Prepare a Resume' on 2 October 2020.



TKM Institute of Technology (Kerala)

The IEI Students' Chapter of Civil Engineering Department of TKM Institute of Technology organized a three-day webinar on 'Prospects of Engineering Education in Post Covid Era' during 13-15 August 2020.

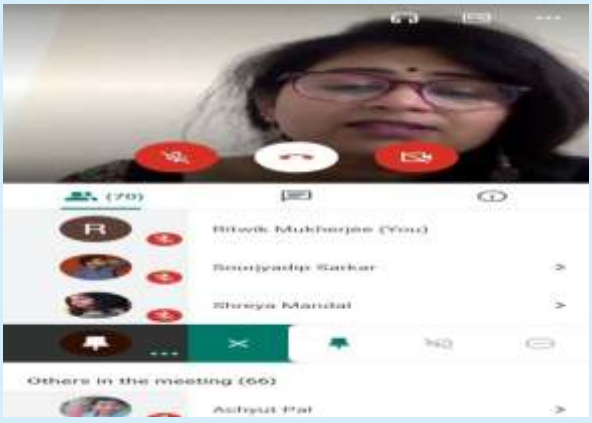
Screen-shots of the event

Guru Nanak Institute of Technology (West Bengal)

The IEI Students' Chapter of Department of Electronics and Communication Engineering of Guru Nanak Institute of Technology organized a one-week online faculty development program on 'FDP on Electronic Devices, Image Processing and Machine Learning' during 24-28 August 2020.

Screen-shots of the faculty development program

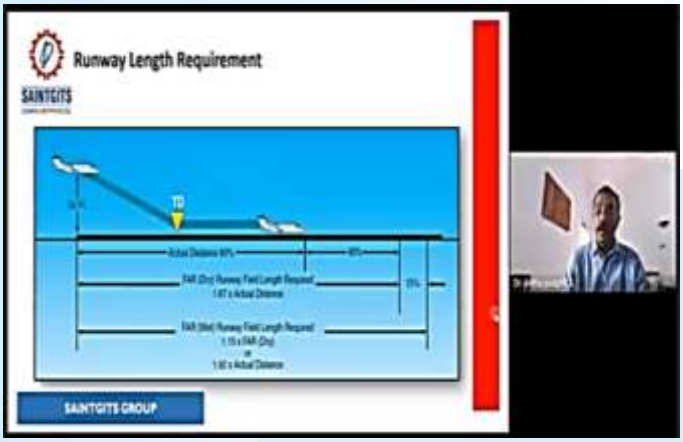
The Chapter also organized a one-day online workshop on 'Mental Health Awareness' on 26 September 2020.



Scrren-shot of the workshop

Saintgits College of Engineering (Kerala)

The IEI Students' Chapter of Department of Civil Engineering of Saintgits College of Engineering organized a webinar on the topic 'Illustrating the Instrument Approach and Other Critical Facilities at an Airport for Enhanced Safety of Landing Aircraft' on 9 September 2020.

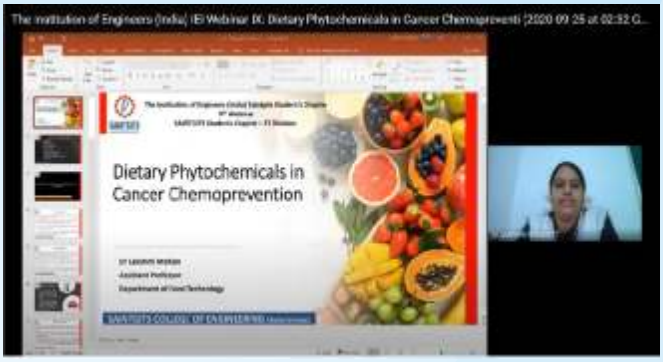


Screen-shot of the webinar

The IEI Students' Chapter of Department of Electronics and Instrumentation of Saintgits College of Engineering organized a webinar on 'Robotics: From Fiction to Science' on 19 September 2020.

Screen-shot of the webinar

The IEI Students' Chapter of Department of Food Technology of Saintgits College of Engineering organized a webinar on 'Dietary Phytochemical in Cancer Chemoprevention' held on 25 September 2020.

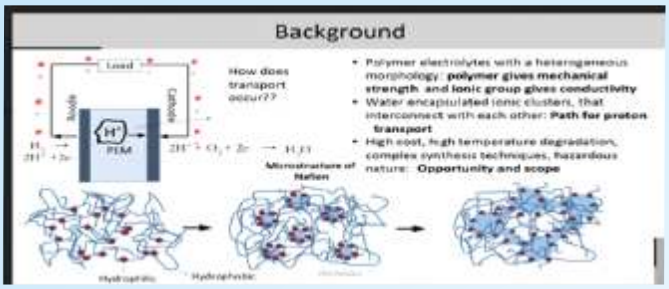


Screen-shot of the webinar

The IEI Students' Chapter of Computer Science and Engineering Department of Saintgits College of Engineering organized webinar on 'Introduction to Artificial Intelligence, Machine Learning and Deep Learning' on 3 October 2020.

Screen-shot of the webinar

The IEI Students' Chapter of Department of Chemical Engineering of Saintgits College of Engineering organized a webinar on 'Structure-Property Relations in Hydrophilic Polymer Electrolyte Membrane' on 9 October 2020.



screen-shot of the event

Narula Institute of Technology (West Bengal)

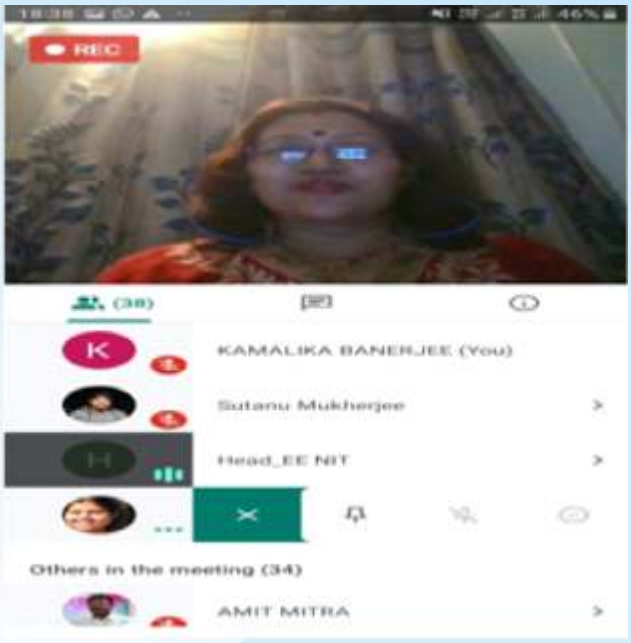
The IEI Students' Chapter of Department of Electrical Engineering of Narula Institute of Technology organized a webinar titled 'Recent Trends in Research and Development' on 10 September, 2020.

Screen-shot of the webinar

The Chapter also organized a webinar on 'Industrial Automation – The Engineering of Modern Industries' on 26 September 2020.

Screen-shot of the webinar

The chapter also organized a webinar titled 'College to Corporate' on 17 October 2020.



screen-shots of the event

Gogte Institute of Technology (Karnataka)

The IEI Students' Chapter of Department of Electrical & Electronics Engineering of Gogte Institute of Technology organized a webinar on 'The Art in Data Science' on 27 August 2020.

Screen-shot of the webinar

Matrusri Engineering College (Telangana)

The IEI Students' Chapter of Department of Electrical and Electronics Engineering, Department of Mechanical Engineering and Department of Electronics and Communication Engineering of Matrusri Engineering College organized an orientation programme on 'Bridging the Skill Gap: Fostering Skills, Innovation & Employability' in association with Skillshark EduTech, Hydrabad on 12 September 2020.

Screen-shot of the orientation program

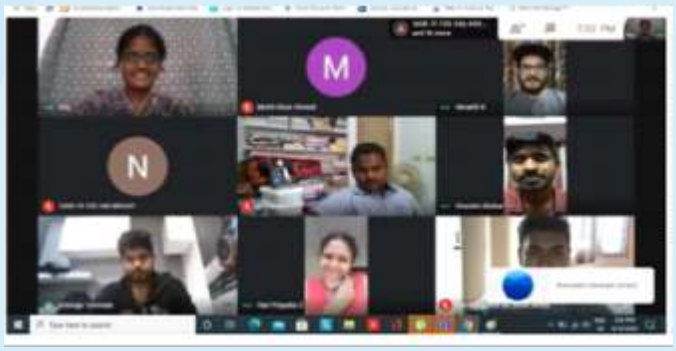
The IEI Students' Chapter of Department of Electrical & Electronics Engineering of Matrusri Engineering College organized an elocution competition on 'Role of Electrical Engineers in Empowering Future India' on 15 September 2020.

Screen-shot of the elocution competition

The IEI Students' Chapter of Department of Computer Science & Engineering of Matrusri Engineering College organized webinars on (i) 'Speech2Tweet API Integration using Python' on 19 July 2020, (ii) 'PUBG Data Analytics using Python' on 22 July 2020 and (iii) 'Artificial Intelligence – a Modern Approach' on 10 September 2020.

Screen-shot of 'Speech2Tweet API Integration using Python'

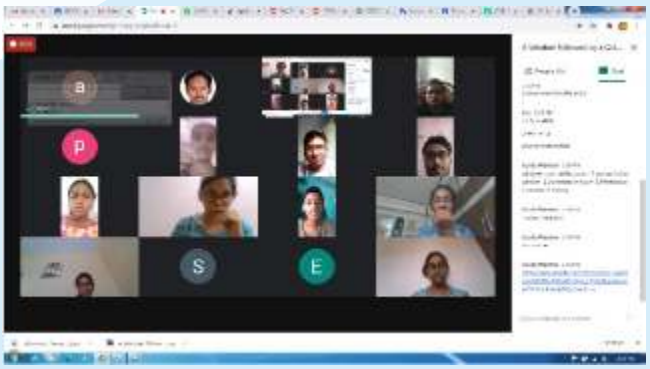
Screen-shot of 'PUBG Data Analytics using Python'



Screen-shot of 'Artificial Intelligence – a Modern Approach'

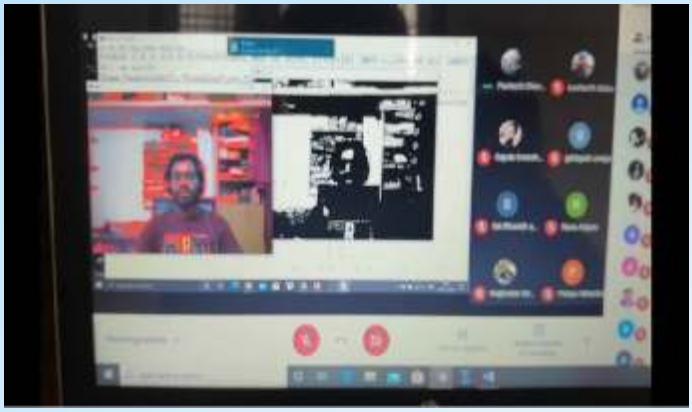
The Chapter also organized a 'Project Mela' organized on 11 September 2020 and an 'Alumini Retrace' on 12 September 2020. An event was also organized on 'Ethics for Engineers' on 15 September 2020

The IEI Students' Chapter of Department of Electronics & Communication Engineering of Matrusri Engineering College organized a webinar followed by a quiz on 'Matlab Tools and its Applications' on 5 September 2020.



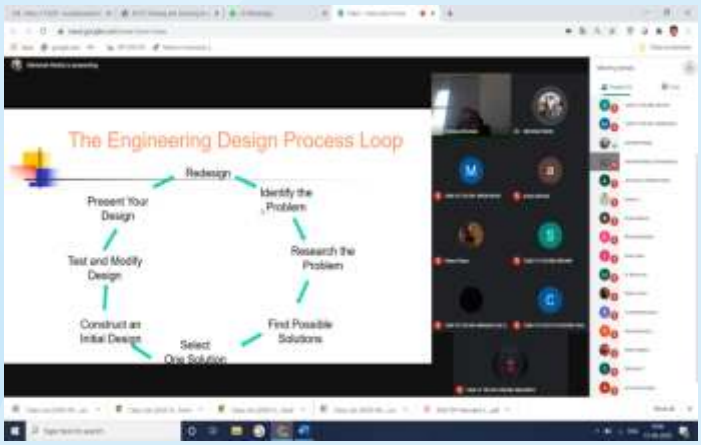
Screen-shot of the webinar

The Chapter also organized a webinar on 'Multi Target Human Tracking over Occluded Environment' on 28 July 2020.



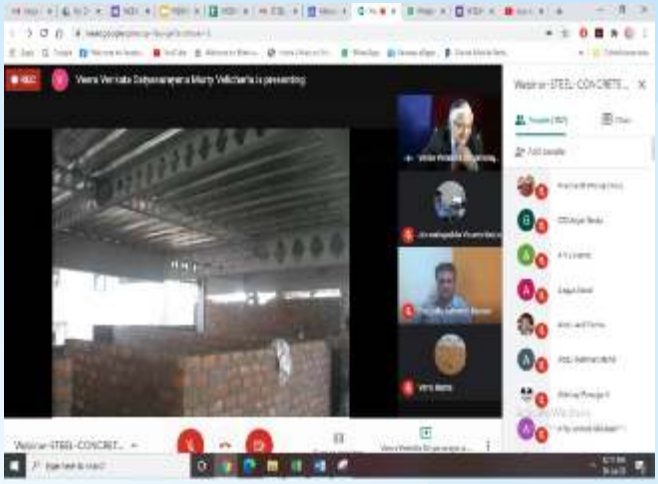
Screen-shot of the webinar

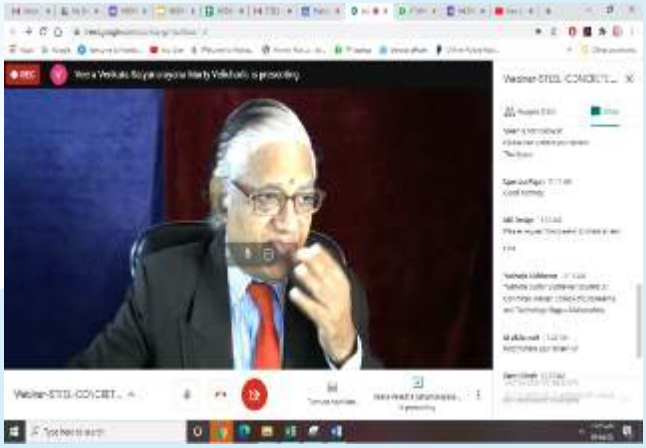
The Chapter celebrated Engineers' Day followed by an essay writing competition on 15 September 2020 on the theme 'Making Indian Engineers – World Class'.



Screen-shot of the celebration of Engineers' Day and essay writing competition

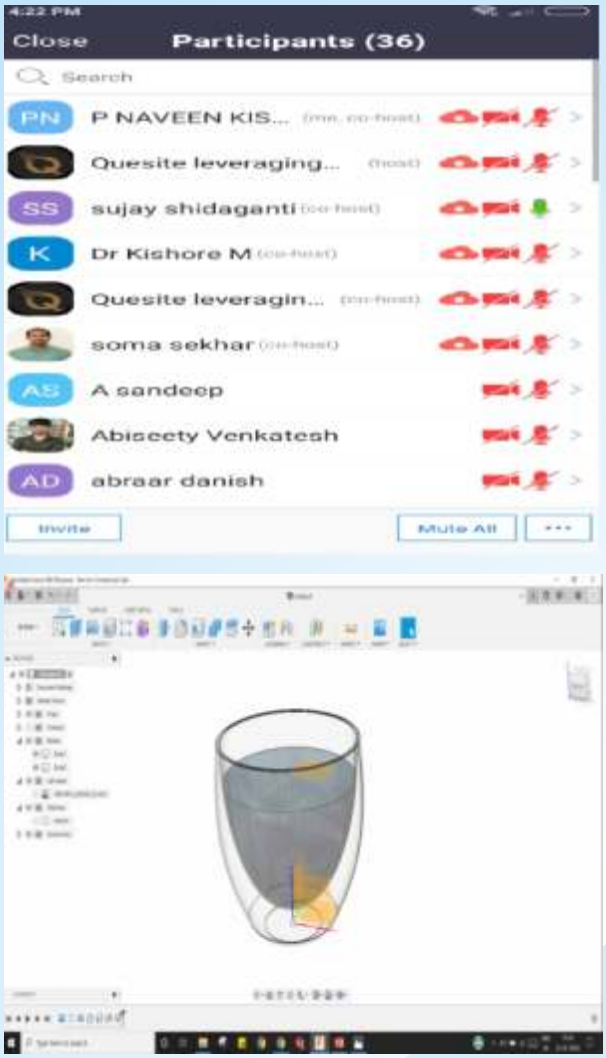
The IEI Students' Chapter of Department of Civil Engineering of Matrusri Engineering College organized a webinar on 'Steel Concrete Composite Structures' on the occasion of IEI Centenary Celebrations on 30 July 2020.





Screen-shot of the webinar

The IEI Students' Chapter of Department of Mechanical Engineering of Matrusri Engineering College conducted a webinar on 'Product Designing Getting Started with Fusion 360' on 22 July 2020. The Chapter also organized a national level online quiz for two days on the topic 'Basics of Mechanical Engineering' during 5-6 September 2020.



Screen-shot of the webinar

The Chapter conducted college level students' design competition on 12 September 2020 on the theme 'Post Covid 19 – Challenges and Opportunities'and an online poster presentation on 11 September 2020.

RCC Institute of Information Technology (West Bengal)

The IEI Students' Chapter of Department of Electronics and Communication Engineering of RCC Institute of Information Technology organized one online extempore competition on 5 September 2020.

The Chapter also organized an online debate competition on the topic 'Space Exploration and Research is a Justified Use of Taxpayer's Money in any Country' on 20 September 2020, an online group discussion competition on 'Whether Deadline Destroys Creativity?' held on 27 September 2020 and a quiz competition on 30 August 2020.

Screen-shots of the debate competition

Screen-shots of the group discussion competition

Government Engineering College, Modasa (Gujarat)

The IEI Students' Chapter of Mechanical Engineering Department of Government Engineering College, Modasa celebrated Engineers' Day on 15 September 2020.

Screen-shot of the Engineers' Day celebration

Cusrow Wadia Institute of Technology (Maharashtra)

The IEI Students' Chapter of Electrical Engineering Department of Cusrow Wadia Institute of Technology organized an online expert lecture on 'The Art of Reading Electricity Bill and KVAH Billing' on 15 September 2020.

Screen-shot of the expert lecture

The IEI Students' Chapter of Electronics & Telecommunication Engineering Department of Cusrow Wadia Institute of Technology organized an online technical quiz during 11-31 August 2020. The Chapter also organized an online short term course on 'Android App Development' during 21-25 September 2020.

Screen-shot of the short-term course

The IEI Students' Chapter organized an expert lecture on 'JAVA: Needs and Applications' on 17 October 2020.

Screen-shot of the lecture

Screen-shot of the short-term course

The IEI Students' Chapter of Civil Engineering Department of Cusrow Wadia Institute of Technology organized an online expert lecture on 'Town Planning: Concept, Necessity & Aspects' on 20 September 2020.

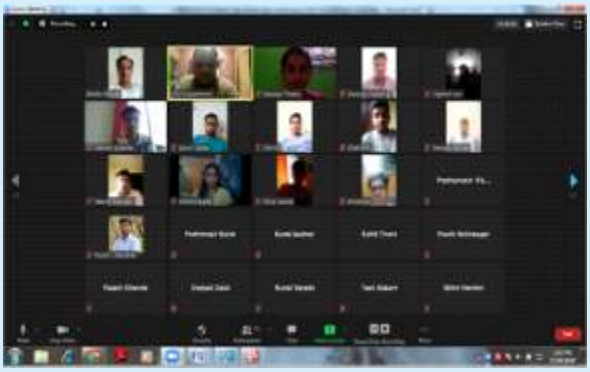
The chapter also organized an essay competition on 'Effects of Industrialization on Environment and Human Life' on 30 September 2020.

AISSMS College of Engineering (Maharashtra)

The IEI Students' Chapter of Electronics & Telecommunication Department of AISSMS College of Engineering organized a webinar on 'Engineers for Self Reliant India' on the occasion of Engineers' Day 2020 Celebration on 15 September 2020.

Screen-shot of the Engineers' Day celebration

The Chapter also organized two more webinars on 15 September 2020 on 'Career Opportunities in Civil Services for Engineers' and 'Opportunities and Challenges for Electronics Engineering Students'.



Screen-shot of the webinars

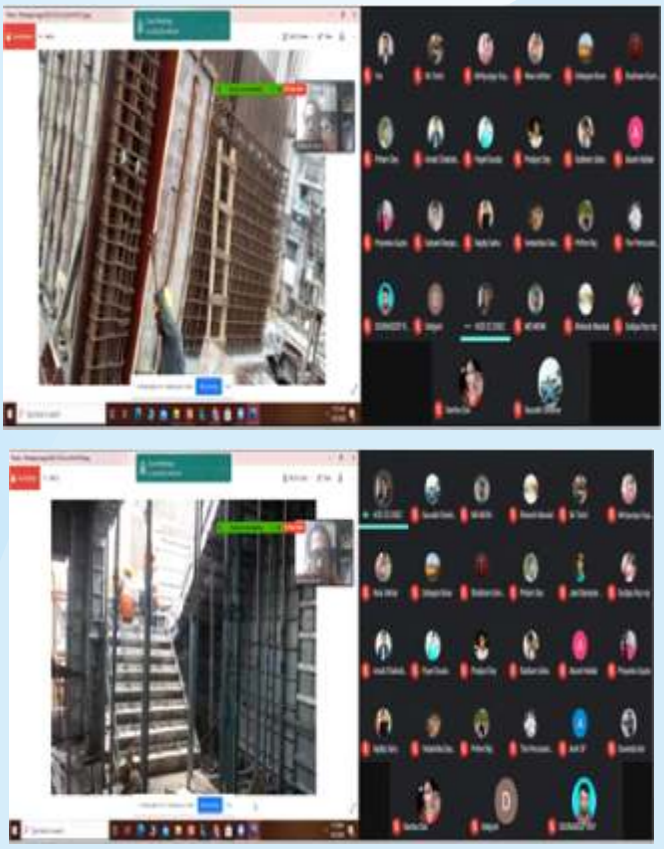
Dr Sudhir Chandra Sur Institute of Technology and Sports Complex (West Bengal)

The IEI Students' Chapter of Civil Engineering Department of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex organized a quiz contest in celebration of 53rd Engineers' Day on 15 September 2020. The Chapter celebrated both Gandhi Jayanti and Shastri

Jayanti on 2 October 2020. The Chapter also arranged one webinar on 'Scenario on Indian Construction Industry' on 26 September 2020.

Screen-shot of the webinar

The Chapter also conducted a digital site visit at Rare Earth Project, Kolkata on 3 October 2020 and at Southern Heights Project, Kolkata on 10 October 2020.



Screen-shots of the visit

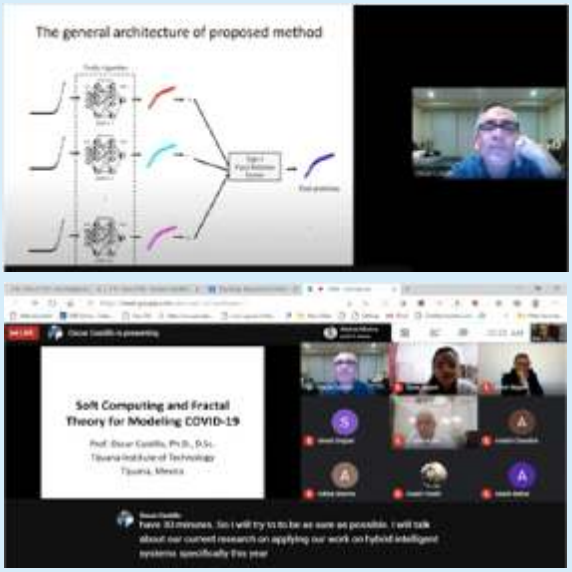
Gyanmanjari Institute of Technology (Gujarat)

The IEI Students' Chapter of Department of Mechanical Engineering of Gyanmanjari Institute of Technology organized a creative writing contest on 5 August 2020, an ideation challenge contest on 15 September 2020 and an awareness campaign about COVID – 19 on 15 September 2020.

View of the awareness campaign

Dayalbagh Educational Institute (Uttar Pradesh)

The IEI Students' Chapter of Electrical Engineering Department of Dayalbagh Educational Institute organized a webinar on 'The Role of Engineers in COVID-19' on the occasion of 53rd Engineers' Day on 15 September 2020.

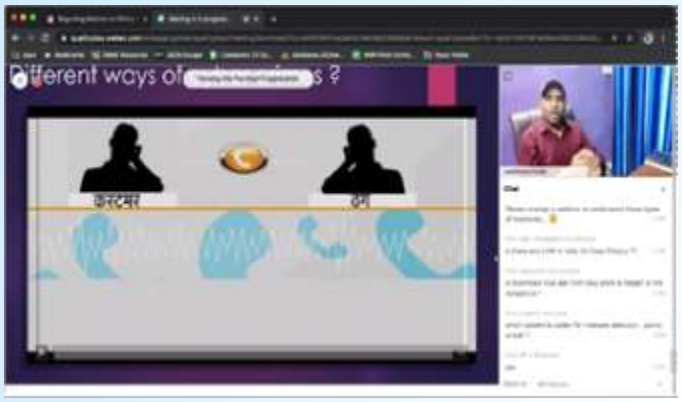


Screen-shot of the webinar

Government Engineering College, Rajkot (Gujarat)

The IEI Students' Chapter of Mechanical Engineering Department of Government Engineering College, Rajkot organized an online industrial visit at Pratik Industries, Maharashtra on 29 August 2020.

The IEI Students' Chapter of Computer Engineering Department of Government Engineering College, Rajkot organized a webinar on 'Ethical Hacking and Cyber Security' on 12 September 2020.



Screen-shot of the webinar

Nirma University (Gujarat)

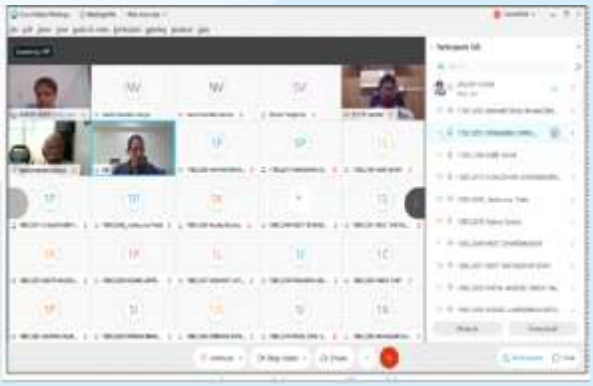
The IEI Students' Chapter of Civil Engineering Department of Nirma University inaugurated and organized a webinar on 'Role of Civil Engineers in Developing Self-Reliant India' on the auspicious occasion of 53rd Engineers' Day on 15 September 2020. Mr Navinchandra B Vasoya, Past President IEI was the Chief Guest of the occasion.

Flyer of the event

The Chapter also organized a technical lecture on 'Digital Disruption in Civil Engineering Industry – Now more than ever' on 10 October 2020.

Screen-shot of the lecture

The chapter organized a webinar on "Protecting the Planet with Standards" on 14 October 2020.



Screen-shots of the webinar

Amrutvahini College of Engineering (Maharashtra)

The IEI Students' Chapter of Information Technology Department of Amrutvahini College of Engineering organized online quiz competition on 15 September 2020.

Screen-shot of quiz competition

NSS College of Engineering (Kerala)

The IEI Students' Chapter of Mechanical Engineering Department of NSS College of Engineering conducted an online webinar on 'Design Education and Prospects' on 27 September 2020.

Screen-shot of the webinar

PSIT College of Engineering (Uttar Pradesh)

The IEI Students' Chapter of Civil Engineering Department of PSIT College of Engineering organized two webinars on the topics 'A-B-C-Personal Interviews' on 14 September 2020 and 'Cement Manufacturing Process & Basics of Common Non Structural Defects in Concrete' on 26 September 2020.

Screenshots of the webinars

Pragati Engineering College (Andhra Pradesh)

The IEI Students' Chapter of Department of Electrical & Electronics Engineering of Pragati Engineering College conducted an e-quiz on the topic 'Recent Trends in Electrical Engineering' on the auspicious day of Engineers' Day on 15 September 2020.

Screen-shot of quiz contest

SSN College of Engineering (Tamil Nadu)

The IEI Students' Chapter of SSN College of Engineering celebrated Engineers' Day on 26 September 2020.

Screen-shot of the celebration

KLS Viswanathrao Deshpande Institute of Technology (Karnataka)

The IEI Students' Chapter of Department of Electrical and Electronics Engineering of KLS Viswanathrao Deshpande Institute of Technology organized one-week national level faculty development program on 'Thrust Areas for Research in Power and Energy Systems – A Resource for Beginners' during 3-8 August 2020.

The IEI Students' Chapter of Department of Civil Engineering of KLS Viswanathrao Deshpande Institute of Technology organized a national level webinar on 'Introduction to Structural Design of RCC Bridge Using MIDAS-Civil' on 30 July 2020.

The chapter also organized a webinar on "BIM and IOT in Civil Engineering" on 10 October 2020.

The IEI Students' Chapter of Department of Computer Science and Engineering of KLS Viswanathrao Deshpande Institute of Technology organized a webinar on 'Transforming Learning for Post Covid Times' on 31 August 2020.

The IEI Students' Chapter of Department of Mechanical Engineering of KLS Viswanathrao Deshpande Institute of Technology organized 'Alumni Webinar Series' on 'Challenges for An Entrepreneur' on 14 September 2020. The chapter organized a webinar 'Plastics & Product Design' on 13 October 2020.

The IEI Students' Chapter of Department of Electronics and Communication Engineering of KLS Viswanathrao Deshpande Institute of Technology organized a webinar on 17 October 2020 on "Introduction to IT and Embedded Industry".

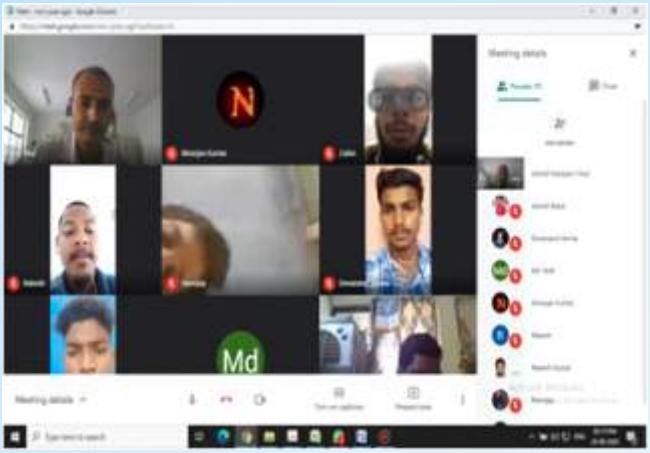
Jain College of Engineering (Karnataka)

The IEI Students' Chapter of Electrical & Electronics Engineering Department of Jain College of Engineering celebrated Teachers' Day on 5 September 2020 and Engineers' Day on 15 September 2020.

View of the participants during the celebration

Chaibasa Engineering College, Jharkhand

The IEI Students' Chapter of Department of Computer Science Engineering of Chaibasa Engineering College organized a TEQIP – III sponsored one-day webinar on 'Object Oriented Programming using C++' on 8 October 2020.



Screen-shot of the webinar

AISSMS Institute of Information Technology (Maharashra)

The IEI Students' Chapter of Department of Electrical Engineering of AISSMS Institute of Information Technology celebrated Engineer's Day on 15 September 2020 to commemorate the birth anniversary of Sir M Visvesvaraya and organized a webinar on 'The Future of Electricity is NOW'.

Screen-shot of the webinar

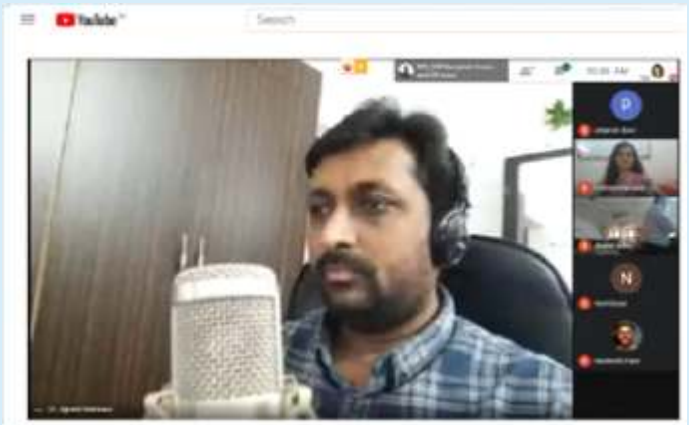
St. Thomas' College of Engineering and Technology (West Bengal)

The IEI Students' Chapter of Departments of Electrical, Electronics, Computer Science and Information Technology of St. Thomas' College of Engineering & Technology jointly organized a webinar on 'Business and Education During COVID – 19' on 6 August 2020.

Screen-shot of the webinar

Sarvajanik College of Engineering and Technology (Gujarat)

The IEI Students' Chapter of Department of Electrical Engineering of Sarvajanik College of Engineering and Technology organized a webinar on 'Electrical Vehicle –Emerging Field of Transportation' on 3 October 2020.



screen-shot of the webinar

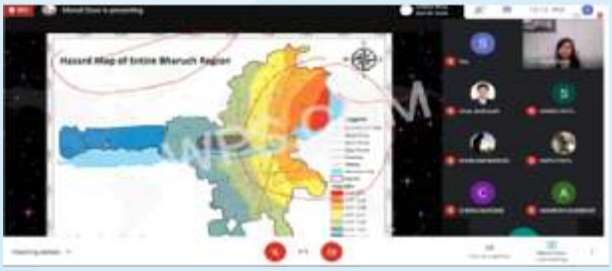
Manipal University (Rajasthan)

The IEI Students' Chapter of Department of Mechanical Engineering of Manipal University was inaugurated in virtual platform on 2 October 2020. This was followed by a webinar on 'Need of Innovation at This Hour'. The Chapter also organized a virtual workshop on 'Energy Recovery System in Electric Vehicles' during 17-18 October 2020.

Screen-shots of the events

Terna Engineering College (Maharashtra)

The IEI Students' Chapter of Civil Engineering Department of Terna Engineering College organized a research talk on 'Seismic Hazard Analysis' on 26 September 2020.



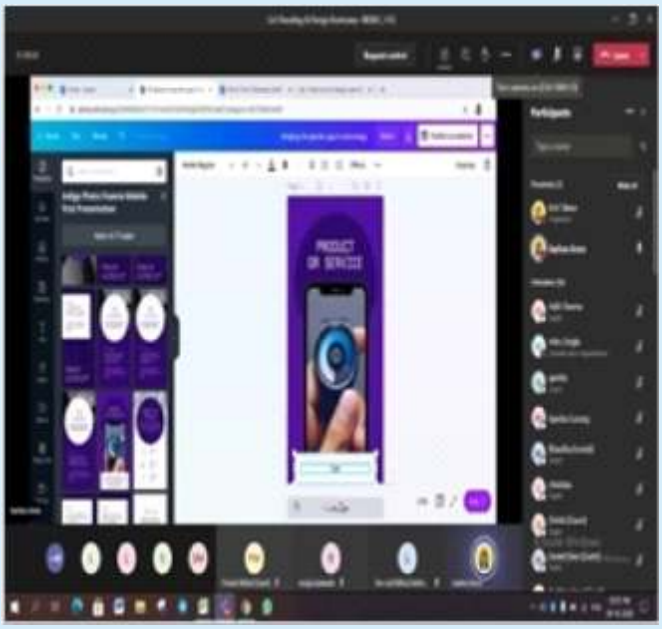
Screen-shots of the technical talk

The chapter also organized an expert talk on 'Importance and Advancements in Soil Mechanics' on 2 October 2020.

Screen-shot of the expert talk

Baba Banda Singh Bahadur Engineering College (Punjab)

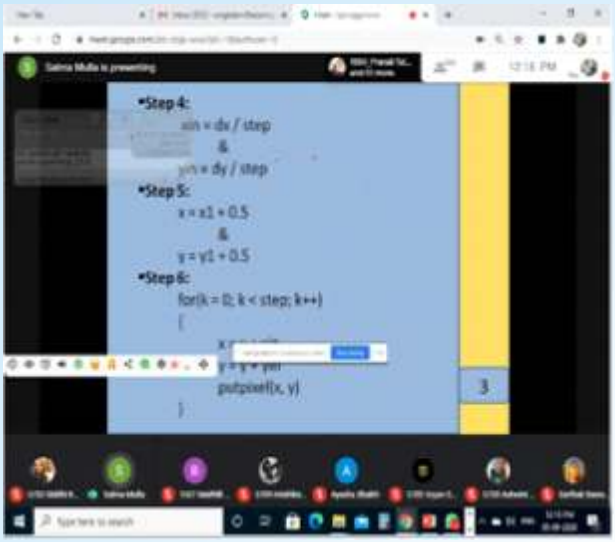
The IEI Students' Chapter of Department of Computer Science & Engineering of Baba Banda Singh Bahadur Engineering College organized a one day online workshop on 'Canva-Graphic Designing Tool' on 9 October 2020.



Screen-shots of the event

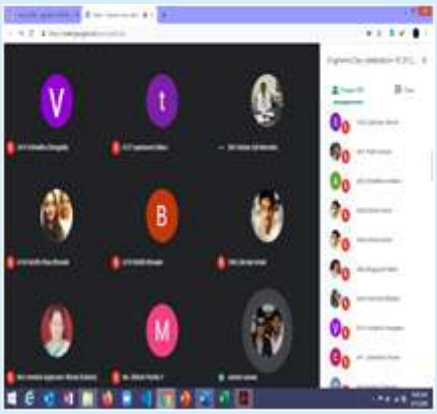
AISSMS Polytechnic College (Maharashtra)

The IEI Students' Chapter of AISSMS Polytechnic organized an online technical event on account of Teachers Day on 5 September 2020 on the theme 'Student Act as a Teacher'.

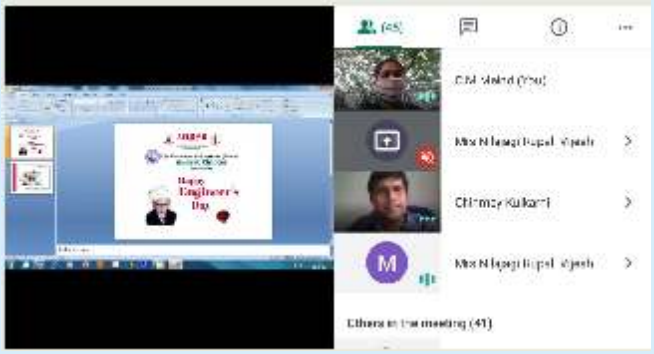


Screen-shot of the Teachers' Day celebration

The Chapter celebrated Engineers' Day on 15 September 2020 and organized two poster presentations, online technical webinar on 'IOT & Amp. Industrial Automation' and a virtual industrial visit to Rohit Foam Tech Industries LLP, Maharashtra.

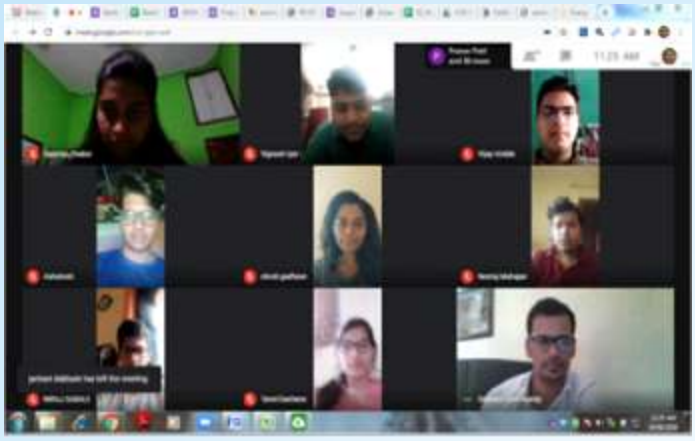


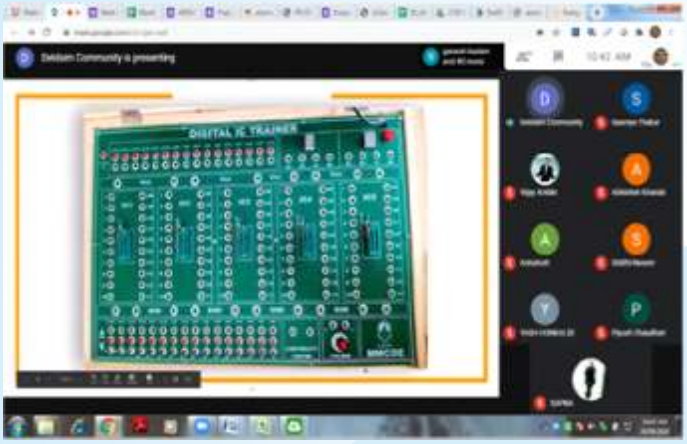
Screen-shot of poster presentation



Screen-shot of 'IOT & Amp. Industrial Automation'

The Chapter also organized a webinar on 'Embedded System and RTOS' on 2 September 2020 and on 'Virtual DELDSIM Simulator for Digital Circuits' on 24 September 2020.

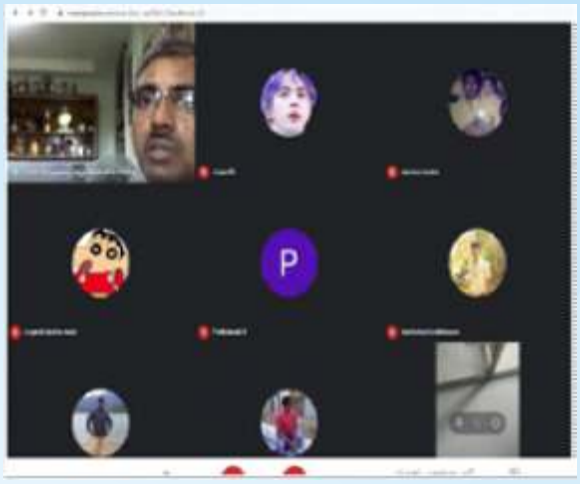




Screen-shot of the webinar

P A C Ramasamy Raja Polytechnic College (Tamil Nadu)

The IEI Students' Chapter of P A C Ramasamy Raja Polytechnic College organized a Committee Meeting, two lectures, a paper presentation, nine seminars, three workshops, one poster competition, a group discussion, eighteen technical quizzes, four aptitude tests, four film shows and five short term courses during July 2020 to September 2020.



Screen-shots of the events

Report of Technical Activities by Students' Chapter

Please forward report of the technical activities conducted under the Students' Chapters of both Engineering Colleges and Polytechnics **through email only** to studentchapter@ieindia.org within one week of the event organised. The format of the report is available in the link

https://www.ieindia.org/webui/IEI-Network.aspx#students-chapters

Membership for undergraduate B Tech Students: Student Membership (SMIE)

The Council at its 689th meeting held at Ahmedabad approved a new grade of membership - Student Membership (SMIE) - meant for undergraduate students pursuing BE/B.Tech (AICTE approved) or equivalent qualification and will be valid for six years w.e.f. the date of enrolment. For further details, please visit our website www.ieindia.org.In case of any further query regarding Student Membership please contact (033)40106269/ (033)40106302.

Online Submission of Corporate Membership Application of The Institution of Engineers (India)

In spite of the serious situation due to COVID-19, we are trying our best to serve our esteemed members/prospective members. Your kind cooperation is solicited. You are requested to submit your membership application only **ONLINE** for early processing.

Please visit the link https://www.ieindia.org/webui/IEI-Registration.aspx for further details and submission of application

For any assistance mail to: membership@ieindia.org

STAY HOME STAY SAFE

Steps to establish IEI Students' Chapters in

Engineering Colleges/ Polytechnics

Engineering Colleges/ Polytechnics may establish Students' Chapter of IEI with atleast fifty students pursuing engineering in the same branch of a College/University/Institution and be a part of the IEI fraternity following steps below:

- Initial request from an engineering college/a polytechnic is to be made to the Director (Membership) of IEI expressing desire to open a Students' Chapter at the Engineering College/Polytechnic mentioning the branches of engineering.
- (i) In a College/University/Institution, at least fifty numbers (50) of students irrespective of the year of study in the same branch of engineering is required for opening a Students' Chapter.

  (ii)To enable formation of a Chapter in any recognized polytechnic minimum number of member required is fifty (50). There shall be only one Chapter in a polytechnic.

  This strength of membership shall be mandatory for opening as also for continuing a Students Chapter. However, it's requested to motivate all the students to enroll themselves in the chapter.
- Upon obtaining the permission and code of the new Students' Chapter from IEI, prospective Chapters have to download the forms [for engineering college Students' Members (ECSC) and Polytechnic Students' Member (PSC)] from the webpage www.ieindia.org . The forms have to be filled up by the students willing for members of Students' Chapter in consultation with the Adviser.
- The requisite fee to be collected from each student as per the year of study as given below.

i) For Degree Engineering College:

Membership fee for Student Chapter	Subscription (Rs)	Share of Colleges/ Institutions (Rs)	Share of HQs (Rs)
First Year	536	300	236 *(Incl. 18% GST)*
Second Year			
Third Year			
Fourth Year			

ii) For Polytechnic:

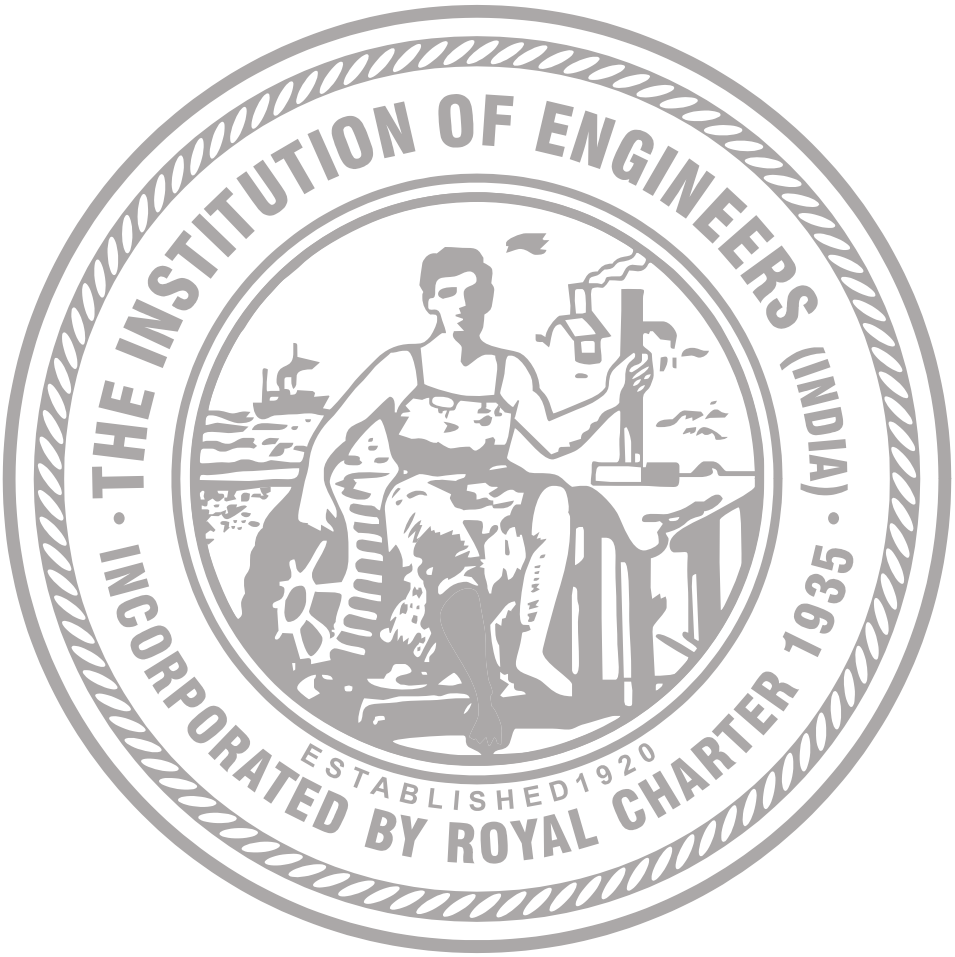
Membership fee for Student Chapter	Subscription (Rs)	Share of Polytechnic/ Institutions (Rs)	Share of HQs (Rs)
First Year	536	300	236 *(Incl. 18% GST)*
Second Year			
Third Year			

- The relevant part of the application forms are to be sent to be sent to Headquarters of The Institution of Engineers (India) alongwith the payment.

For details e-mail to **studentchapter@ieindia.org**

Privileges of Student Members attached to Students' Chapters of Engineering College/Polytechnic

- Opportunity to participate in technical events e.g. Seminar, Symposia, Conventions, Workshops etc. organized by IEI State/Local Centres.
- Participation in various Technical Activities of the students' chapter.
- Access to library facilities at State/Local Centres of the Institution across the country.
- Opportunity to meet fellow engineers for professional interaction.
- Reimbursement of travelling expenses to students selected for presentation of technical papers in Technicians'/Students' Convention of IEI.
- After passing the final year B.E/B.Tech examination, members of the Students' Chapter are eligible for the followings:
  - Members of the Students' Chapter of Engineering Colleges may become **Associate Member** of Institution. The membership form can be downloaded and apply online from IEI website www.ieindia.org under membership tab.
  - Associate Members are entitled to receive Chartered Engineer certificate on payment of requisite fee
  - **SMIE** members may become **Associate Member** at a discount in Registration fee, if they applied within 1 year of passing BE/BTech (the details is given in our **AM application form)**.
- **85 nos** of Scholarships of **Rs 7,15,000/-** given to the engineering meritorious students attached to the different Student chapter.
- **Dr Amitava Bhattacharyya Memorial Trophy** to be awarded to three **Best Engineering College Students' Chapters** and three **Best Polytechnics students Chapters** are annually awarded the certificate, plaque and **Rs 20,000/-, Rs 15,000/- and Rs 10,000/-** in each category respectively.
- The National Design and Research Forum (NDRF) – a peripheral body of the Institution – conducts the students' Design Competition every year amongst the student members studying in engineering colleges of the country. Apart from a certificate, the awardees are being given Gold, Silver, and Bronze medals in each engineering discipline. (http://www.ndrf.res.in).
- **Best three** technical papers presented in the Seminar and Technical Sessions by student members of Engineering College and Polytechnic Students' Chapters are awarded in the Annual Convocation and Technicians'/ Students' Convention.
- The **Students' Chapter Newsletter** is distributed amongst the Chapter members which is sent to the Advisers. IEI Students' Chapter Newsletter may be also browsed through www.ieindia.org.
- **B P Kapadia Memorial Prizes and upto Rs 27,000/-** to be awarded to the best three participants in Technical Session and Seminar during Student chapters' convention of Engineering College, Polytechnic Colleges and Technician Chapter separately.
- **EnggTalks** has been launched for student chapter members as community to interact amongst the engineering fraternity the same may be browsed through https://www.enggtalks.com/communities/17 .
- The Students' Chapters may participate in **Regional Conclave** to be organized in the emerging field of engineering by engineering college and polytechnic region wise.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