

IEI

Newsletter Students' Chapters

April
2020

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Reports from Engineering College Students' Chapter

Baba Banda Singh Bahadur Engineering College (Punjab)

The Students' Chapter of Department of Civil Engineering of Baba Banda Singh Bahadur Engineering College, Fatehgarh organized an expert lecture on 'Good Construction Practices' on 13 February 2020. Mr Karnail Singh, FIE, Retired Senior Manager (Civil), Head of Civil Department, National Fertilizer Ltd., India was the speaker. The lecture was based on providing basic knowledge of construction practices in field to undergraduate students. The speaker guided the students about the general test procedures for checking quality of material on site as well as during purchase. Dr Baljit Singh, FIE, Honorary Secretary, Punjab & Chandigarh State Centre was also present during the event as the Chief Guest.



Presentation of memento to the speaker during the Expert Lecture



Speaker delivering the Lecture

CSMSS CHH Shahu College of Engineering (Maharashtra)

The IEI Students' Chapter of Department of Electronics & Telecommunication Engineering of CSMSS CHH Shahu College of Engineering,

Aurangabad organized two expert talks in month of February-2020 namely (i) an Expert talk on 'Missile and Rocket Technology' on 21 February 2020 by Mr Sanket Bhagat, Research Scientist, Ministry of Electronics and Information Technology, India, associated with SAMEER, Chennai, India and (ii) an Expert Talk on 'Recent Trends in Electronics and Telecommunications Core Career Opportunity' on 24 February 2020 by Mr Sopan Aher, Assistant Test Engineering Manager, JABIL Pvt Ltd., Pune.



Speaker during the expert lecture on 24 February 2020

Parul Institute of Technology (Gujarat)

The Students' Chapter of Mechanical Engineering Department of Parul Institute of Technology organized an expert lecture on 'Bombardier Transportation Savli: History and Its' Product and Services' on 22 February 2020 by Mr Mehul Makhwana, Manager, Car Chassis Body, Bombardier, Savli.



Mr Mehul Makhawana delivering his expertise

B.N.M. Institute of Technology (Karnataka)

The Students' Chapter of Department of Information Science & Engineering of B.N.M. Institute of Technology organized a visit to 'IoTshow' at Karnataka Trade Promotion Organisation (KTPO), Bengaluru on 15 February 2020 as a part of industrial visit to learn about the IoT and automation process in an industry. The students had an opportunity to interact with different companies and learn about the lifecycle of product development, importance of innovativeness, the financial and marketing phase of product development.



Participating students with faculty members at IoT show-2020, KTPO, Bengaluru

Bansal Institute of Engineering and Technology (Uttar Pradesh)

The IEI Students' Chapter of Electrical Engineering Department and Electronics & Communication Engineering Department was inaugurated on the World Engineering Day on 04 March 2020. Mr Rajesh Kumar Trivedi, FIE, Chairman, IEI, Uttar Pradesh State Center, was the Chief Guest and Mr V. B. Singh, FIE, Council Member, IEI was the Guest of honour of the event. The Students' Chapter also organized a

one day technical poster presentation and a one day Robotics event on this occasion. The chapters also conducted a technical quiz contest later.



View of the dias during the inaugural program

Saintgits College of Engineering (Kerala)

The Students' Chapter of the Department of Computer Science Engineering of Saintgits College of Engineering organized a Seminar on 'Network Packet Analysis using WIRESHARK' on 6 March 2020 as a part of World Engineer's Day Celebration.



View of the participants during the workshop

As a part of World Engineer's Day Celebration, IE I Students' Chapter of Department of Applied Electronics and Instrumentation and Electrical and Electronics of the institute jointly organized a seminar on 'Physically Unclonable Functions and Its Significance in Semiconductors and Embedded Systems' by Mr Ajish Zacharias, Scientist-D, DRDO , Bangalore on 6 March 2020.



Speaker during the seminar

Rajiv Gandhi University of Knowledge Technologies (Uttar Pradesh)

The IEI Students' Chapter of Department of Mechanical Engineering of Rajiv Gandhi University of Knowledge Technologies, Srikakulam organized a mock test on 28 February 2020 and a quiz titled 'Kaun Banega Icon' on 29 February 2020.

PSIT College of Engineering (Uttar Pradesh)

The IEI Students' Chapter of Department of Electronics & Communication Engineering of PSIT College of Engineering organized an essay and quiz competition on 13 January 2020 on the occasion of Swami Vivekananda Jayanti. The Chapter also organized collage making competition on the theme 'Incredible India' on 29 January 2020. For enhancing and promoting skill development, the students visited a nearby village. A technical exhibition was organized by them to showcase their projects and ideas to school children on 8 Feb 2020.



Faculty members and students explaining new ideas to school students in a village

Amrutvahini College of Engineering (Maharashtra)

The IEI Students' Chapter of Department of Electrical Engineering of Amrutvahini College of Engineering organized guest lecture on 11 February 2020 on 'Missile and Rocket Technology'. The resource person was Mr Sanket Nanasaheb Bhagat, Research Scientist, Society of Applied Microwave Electronics Engineering and Research, India and a guest lecture on 28 February 2020 on 'Intellectual Property Right'.



View of the dias during the expert lecture

Sathyabama Institute of Science and Technology (Tamil Nadu)

The IEI Students' Chapter of Sathyabama Institute of Science and Technology, Chennai was inaugurated on 4 March, 2020 on the occasion of World Engineer's Day. Dr T. M. Gunaraja, FIE, Immediate Past President, IEI was the Chief Guest. Mr R. Ramdoss, FIE, Chairman, Tamil Nadu State Centre, IEI and Prof (Dr) K Palani Kumar, FIE, Chairman, Kanchipuram Local Centre, IEI enlightened the ceremony with their gracious presence.



View of the dias during the inaugural program

The Students' Chapter also conducted a One Day Workshop on 'Robotics' on 9 March 2020 and a one day event 'U kNOW?' based on general knowledge on 13 March 2020.

Kavayitri Bahinabai Chaudhari North Maharashtra University (Maharashtra)

On the occasion of World Engineering Day on 4 March 2020, the IEI Students' Chapter was inaugurated in the Chemical Engineering Department of University Institute of Chemical Technology, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon. It was followed by a workshop cum demonstration on 'Industry on Wheel – Mobile Food Procession Unit' in association with Indian Institute of Food Processing Technology, Bhatinda.



View of the dias during the inaugural ceremony

The Chapter also celebrated Women's Day on 7 March 2020 at University Institute of Chemical Technology under Equity Action Plan sponsored by TEQIP-III.

Shroff S.R. Rotary Institute of Chemical Technology (Gujarat)

The IEI Students' Chapter of Department of Environmental Science & Technology of Shroff S.R. Rotary Institute of Chemical Technology, Jalgaon organized expert lectures on (i) 'Cleaner Production' on 26 December 2019 (ii) 'EIA AUDIT' on 30 December 2019 (iii) 'Solid waste Management' on 30 December 2019 (iv) 'Industrial Time Management' on 31 December 2020 (v) 'Overcoming Barriers to attain accessibility to opportunities in Education and Life' on 4 January 2020 (vi) 'Wastewater Treatment' on 6 January 2020 (vii) 'Industrial Wastewater Treatment' on 7 January 2020 (viii) 'Sustainable Development and Green Technology' on 7 January 2020 (ix) 'Waste Management' on 6 February 2020 and (x) 'How to face interview' on 15 February 2020. The Chapter also arranged industrial visits to (i) Narmada Clean Tech. (NCT), Ankleshwar on 31 December 2019 (ii) Tagros Chemicals India Pvt. Ltd. on 6 January 2020 (iii) Bharuch Enviro Infrastructure Ltd. on 9 January 2020 and 13 January 2020 (iv) Sewage Treatment Plant of Surat Municipal Corporation (SMC), Surat on 4 February 2020. The Chapter in association with Nature Club of SRICT jointly organized presentation competition 'Let's Talk' on 18 January 2020 and two One Day Workshops namely 'Analysis of Water/Wastewater Parameters' on 20 January 2020 and 'Pollution Prevention in Chemical Industry' on 28 February 2020.



Get-together of the participants during an industrial visit

Anand International College of Engineering (Rajasthan)

The IEI Students' Chapter was inaugurated at Department of Computer Science & Engineering and Department of Electronics & Communication Engineering of Anand International College of Engineering, Jaipur on March 14, 2020. Mr Sajjan Singh Yadav, FIE, Chairman, Rajasthan State Centre, IEI graced the occasion as Chief Guest.



View of handing over of the Students' Chapter certificate

Rajiv Gandhi College of Engineering and Technology (Puducherry)

The Inauguration of IEI Students' Chapters in the Departments of Biomedical Engineering, Electrical & Electronics Engineering and Mechanical Engineering was held on 3 March 2020. Mr M K Rajagopalan, Chairman, Sri Balaji Educational and Charitable Public Trust presided over the function. Prof (Dr) Raman Saravanane, FIE, Chairman, Puducherry State Centre, IEI and Prof (Dr) B Radjaram FIE, Honorary Secretary, Puducherry State Centre, IEI also graced the occasion.

AISSMS Institute of Information Technology (Maharashtra)

The Students' Chapter of Department of Electrical Engineering of AISSMS Institute of Information Technology visited 132 kV Ganeshkhind Substation, Pune on 6 March 2020.



Participants during the substation visit

The Chapter has also organized a paper presentation competition for the students on 13 February 2020

Coimbatore Institute of Technology (Tamil Nadu)

The IEI Students' Chapter of Department of Civil Engineering of Coimbatore Institute of Technology organized a lecture on 'Planning of a Residential Building' on 5 February 2020 by Mr P Alagumurugan, Assistant General Manager, Chandnine Builders, Coimbatore. The technical talk mainly focuses on basic steps involved in construction of a house. They also celebrated the International Mother Tongue Day on 21 February 2020.



Mr P. Alagumurugani explaining the basic concepts in planning of building

Rajalakshmi Engineering College (Tamil Nadu)

The IEI Students' Chapter of Computer Science and Engineering Department, Rajalakshmi Engineering College, Chennai have conducted a Two Day Workshop on 'Artificial Intelligence and Deep Learning' during 9- 10 March 2020.



Participants during the workshop

BVM Engineering College (Gujarat)

The IEI Students' Chapter of Civil Engineering Department of BVM Engineering College organized a technical visit to Mumbai from 28 February - 2 March to give students insight of Mega constructions and their challenges.

Guru Nanak Institute of Technology (West Bengal)

The IEI Students' Chapter of Guru Nanak Institute of Technology celebrated the World Engineering Day on 4 March 2020 and organized several programs like Round Table Discussions and Poster Presentations on sustainable development of modern engineering with an aim to spread the message of awareness for the recent achievements of engineers and the role of engineering and technology in modern life and sustainable development to encourage more young people, especially women, to consider engineering as a career.



Participants during the activities on World Engineering Day

Sri Ramakrishna Engineering College (Tamil Nadu)

The IEI Students' Chapter of Mechanical Engineering Department of Sri Ramakrishna Engineering College organized a guest lecture on 'Opportunities in Higher Education for Polytechnic Students' on 1 February 2020 and two workshops on 24 January 2020 by inviting Mr Dhanasekar, Engineer, M/s. Robert Bosch, Coimbatore and on 24 February 2020 by inviting Mr Harvinder Singh, Principal Scientist, Rockwell Automation. The Chapter also organized an intra collegiate Technical Symposium 'Techfest'20' on 11 February 2020 by inviting Mr Rajesh kumar, Founder, BuzzTech Training Institute, Coimbatore.



Speaker during the Guest Lecture on 'Opportunities in Higher Education for Polytechnic Students'

PSCMR College of Engineering & Technology (Andhra Pradesh)

The IEI Students' Chapter of Department of Electrical and Electronics Engineering organized a two day national level technical workshop on 'Trouble Shooting & Servicing of Electrical Drives' during 6-7 February 2020 and a motivational lecture session on 'Dream Big Achieve Big' on 18 February 2020.

Bengal College of Engineering and Technology (West Bengal)

The IEI Students' Chapter of the Department of Mechanical Engineering of Bengal College of Engineering and Technology, Durgapur was inaugurated on 8 February 2020. Prof (Dr) Kartik Chandra Ghanta, FIE, Chairman, Durgapur Local Centre, IEI and Council Member, IEI was present on the occasion.

Techno India Batanagar (West Bengal)

Annual Survey Camp (Survey using Total Station) was organized by Department of Civil Engineering of Techno International Batanagar with the collaboration of IEI Students Chapter, held from 17 February-22 February, 2020 at Madarihat, Dooars of Alipurduar District.



Get-together of participants during the Annual Survey Camp

Sandip Institute of Engineering & Management (Maharashtra)

The IEI Students' Chapter of Department of Mechanical Engineering of Sandip Institute of Engineering & Management, Nashik organized inter-college level Poster Presentation Competition titled 'The Recent Trends in Renewable Energy Sources' on 18 February 2020.



View of the dias during the poster presentation

St. Joseph's Institute of Technology (Tamil Nadu)

The IEI Students' Chapter of Department of Information Technology of St. Joseph's Institute of Technology organized a Guest Lecture on the topic 'DevOps and Other Engineering Functions in IT Industry' on 26 February 2020 by Ms. Ramya Authappan, Quality Engineering Manager, GitLab Inc, Chennai.



Participants during the guest lecture

AISSMS College of Engineering (Maharashtra)

The IEI Students' Chapter of Department of Electronics and Telecommunication Engineering organized a seminar on 'BlockChain Technology' on 25 February 2020. The expert for the seminar was Mr Vijay Balaji Elargo, Vice President, Emurgo India. He has explained the details of BlockChain Technology and case studies of BlockChain technologies in different domains.

Sri Siddhartha Institute of Technology (Karnataka)

The IEI Students' Chapters of Department of Electrical and Electronics Engineering in coordination with the Department of Electrical and Electronics Engineering have conducted an Awareness Program on the topic "Success Mantra for Young Minds" on 29 February 2020. The guest of honour and the resource person is Dr Padmakshi Lokesh, a psychiatrist by profession and national award winner of APJ Abdul Kalam from Ministry of Human Resource Department of India.



Dr. Padmakshi during her lecture

Sri Sivasubramaniya Nadar College of Engineering (Tamil Nadu)

The IEI Students' Chapter of Sri Sivasubramaniya Nadar College of Engineering was inaugurated on 26 February 2020. Students' Chapters was formed in six engineering disciplines in the institute namely Department of Electrical and Electronics Engineering, Department of Electronics and Communication Engineering, Department of Computer Science, Department of Mechanical Engineering, Department of Civil Engineering and Department of Chemical Engineering. The Chief Guest of the day was Mr. R. Ramadoss, FIE, Chairman, Tamilnadu State Centre, IEI.



Handing over of the Students' Chapter certificate during the inaugural session

Government Engineering College Rajkot (Gujarat)

The IEI Students' Chapters were inaugurated in Department of Civil Engineering and Computer Engineering in Government Engineering College Rajkot on 1 February 2020.



View of the dias during the inaugural program

TKM Institute of Technology (Kerala)

The IEI Students' Chapter of Department of Civil Engineering of TKM Institute of Technology organized an Industrial Visit to Oil Palm India Ltd, Kottayam, Kerala on 22 February, 2020.

Reports from Engineering College Students' Chapter

Technical Activities during Lockdown Period

RCC Institute of Information Technology (West Bengal)

The IEI Students' Chapter of Electronics and Communication Engineering Department of RCC Institute of Information Technology organized a one-day online workshop on 'Machine Learning using Python' on 23 March 2020. The Chapter also organized another one-day online workshop on 'Python Programming' on 13 April 2020 and conducted an industrial webinar on 25 April 2020 on the subject 'Aspects of VLSI Design' jointly cosponsored by Kolkata Chapter of IEEE Solid State Circuit Society. Dr Sagar Mukherjee, Design Engineer, Sankalp

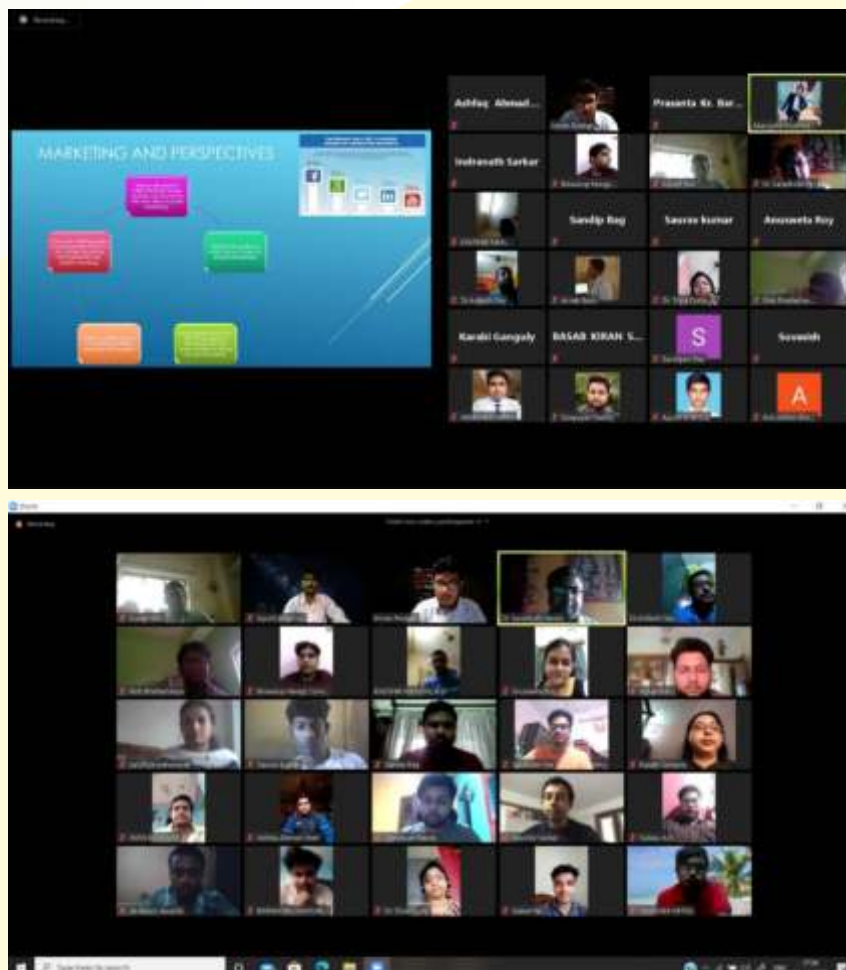
Semiconductor Pvt. Ltd., delivered the lecture. He briefly explained the basics of VLSI Design from system specification to chip level design and identified the VLSI industry requirements in the coming days.

B.V.M Engineering College (Gujarat)

The IEI Students' Chapter of Civil Engineering Department of B.V.M Engineering College had organized a Webinar on 'Civil Engineering Career Opportunities Post COVID 19' on 25 April 2020 via Google Meet platform. Mr. Amit Sharma, Senior General Manager, Godrej Properties, India was the expert speaker.

JIS College of Engineering (West Bengal)

The IEI Students' Chapter of Electronics and Communication Engineering Department, JISCE took an initiative at the outset of lockdown period to organize a 'Students' Idea Competition E-RRADICATE 2020 - COVID-19 Innovation Challenge' during 10-11 April, 2020 through online digital meeting platform. Main objective of the event was to trace out possible solutions to the listed problems of COVID-19. Students from various states such as Maharashtra, Telangana, Manipur and also from various state institutes outside JIS Group have participated to share solution to the listed problems on COVID-19.



Screenshot of the programme

AISSMS Polytechnic (Maharashtra)

The Students' Chapter of AISSMS Polytechnic, Pune celebrated the World Engineering Day on 4 March 2020 with a variety of activities. The theme of celebration of this day was 'Sustainable Development'. Students organized Micro-Project Competition on different subjects from their curriculum, a Poster Presentation Competition on 'Sustainable Development and an Expert Lecture on the topic 'Role of E-vehicles in Sustainable Development' by Mr Mohanraam Pillai, Managing Director Techmerger Enterprises, Pvt. Ltd., Pune. He highlighted importance of alternative fuels, non conventional resources, e-vehicles and also emphasized on reduction pollution by decarbonization of old vehicles. The Chapter also organized a three days' technical workshop on 'Digital Forensic and Cyber Security' on 16 January 2020 and a State level Technical Paper Presentation event on the 25 February 2020.



View of the dias during the expert lecture

Government Polytechnic, Karwar (Karnataka)

The IEI Students' Chapter of Government Polytechnic, Karwar conducted technical quiz on 6 March 2020 in collaboration with Girijabai Sail Institute of Technology, Karwar. The Chapter also organized a Technical Expert Guidance Program during 11-12 March 2020 for the final year Diploma students.



View of the participants during the technical quiz

Rajagopal Polytechnic College (Tamil Nadu)

The IEI Students' Chapter of Rajagopal Polytechnic College organized a 'State Level Technical Symposium' on 13 February 2020.



View of the dias during the inaugural ceremony

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 from the date of the event.

Please visit the link to download the format:

<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)40106246/(033)40106251/(033)40106302.

Apply Online for Corporate Membership of The Institution of Engineers (India)

In spite of the serious situation due to COVID-19 and complete lock down 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.
- 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 Headquarters of The Institution of Engineers (India) alongwith the payment.

For details please write to studentchapter@ieindia.org

