

IEI

Newsletter

Students' Chapters

April
2022

Inside

Chairman's Message	2
First Northern Regional Conclave of Students' Chapters of The Institution of Engineers (India)	3
News of Technical Activities from Engineering College Students' Chapter	4
News of Technical Activities from Polytechnic College Students' Chapter	14
Report of Technical Activities by Students' Chapter	15
Membership for undergraduate B Tech Students: Student Membership (SMIE)	15
Online Submission of Corporate Membership	15
Steps to establish IEI Students' Chapters in	16
Privileges of Student Members attached to Students'	17

ALL INDIA STUDENTS' COMMITTEE (AISC) Session 2021-22

Safikul Islam, Chairman

Council Members

S K Banerji
Sumit Kantilal Khinvasara
B Brahma Reddy
Dr Enti Ranga Reddy
Bhupendra Nath Singh

Members Nominated

Dr Barnali Kundu
Dr Ashish Malik
Prof Nitin Pandurang Mawale
Arun Sebastian
Manoranjan Samal
S P Paranjape

EX-Officio Member

Secretary & Director General, IEI

Editor

Maj Gen MJS Syali, VSM (Retd)

Technical Editor

Dr Surojit Ghosh

Assistant Technical Editor

Ms Shubhasree Biswas Sett

Editorial Assistant

Mr Chandan Dutta Choudhury
Mr Suman Bagchi
Mr Zahid Hussain

The Institution of Engineers (India) as a body
accepts no responsibility for statement made by
individual authors

Membership Department
The Institution of Engineers (India)
8 Gokhale Road, Kolkata 700 020
Tel : (033) 4010 6224 / 251
e-mail : studentchapter@ieindia.org
web : www.ieindia.org



Mr Safikul Islam, FIE

Chairman,
All India Students' Committee (AISC)
The Institution of Engineers (India)

AgriTech or agricultural technology is the technology used in improving yield, efficiency, and profitability in agriculture. The various segments of AgriTech sector are digital marketplace and physical infrastructure to link farmers to information platforms for agronomic, pricing, market information, automation using machinery, tools and robots in seeding, material handling, harvesting, credit facilities for input procurement, equipment, etc. Technological aid to the farmers can also be provided by informing them on the latest developments on plant and animal life sciences and genomics, farming technologies, such as greenhouse systems, indoor-outdoor farming, drip irrigation, and environmental control. Digitally monitoring post-harvest products, quality check and analysis and traceability in storage and transportation along with support towards handling post-harvest supply chain and connecting farm output with the customers are major service the recent developments in internet technologies can offer. Use of geospatial or weather data, IOT, sensors, robotics etc also improves productivity to a great extent. Benefits of technological developments cover financial benefits to farmer like farm equipment for rent on a pay-per-use basis, as well as insurance or reinsurance of crop etc.

The COVID 19 pandemic and the war in Ukraine have massively disrupted the global food system, putting huge pressure on agriculture-focused countries like India to provide more sustainable options. Such investment can also have a significant impact beyond the economy. With 60 per cent of India's agricultural land being rain-fed, climate change poses a critical threat to food and agricultural systems. Many states have already taken up technology aided agriculture as an essential project. The E-Sahamathi initiative of Karnataka enables the sharing of agriculture and horticulture data from its database of more than 7 million farmers with start-ups/service providers and Telangana is working towards establishing agriculture data exchange ADEX. Access to digital financing and insurance services for hugely underserved smallholding and women farmers needs data from digitized land records, crop-cutting experiments, satellite images, fertilizer consumption and crop history. In order to cater this, the World Economic Forum has launched the AI4AI (AI for Agriculture Innovation) initiative and food innovation hubs in collaboration with the Agriculture Ministry and multiple State Governments. Some states including Madhya Pradesh, Meghalaya and Karnataka have also been exploring various private-public partnership(PPP) approaches for hi-tech agriculture services. Madhya Pradesh has launched a Food Innovation Hub to explore PPP models for crop value chain transformation, while Meghalaya has been examining how to leverage technologies to transform the turmeric value chain.

Overall, the AgriTech companies accepted the challenges thrown by the pandemic and have been able to create need fulfilling technological products and services which has resulted in evolutionary opportunities for suddenly-open-to-tech Indian farmers. The Indian agriculture sector has, therefore, moved a step ahead to adopt and gain the most out of the challenging times.

A regional conclave has already been organized under the aegis of All India Students Committee on this topic. As a Chairman, All India Students Committee, I would request you to explore this emerging field as it poses immense opportunities for the young engineers.

First Northern Regional Conclave of Students' Chapters of The Institution of Engineers (India)

The First Northern Regional Conclave of Students' Chapters of The Institution of Engineers (India) was organised on the theme 'AGRI – TECH: ROAD TOWARDS SUSTAINABLE DEVELOPMENT' during 30-31 March 2022 under the aegis of All India Students' Committee in association at Axis Institute of Technology and Management, Kanpur. Chief Guest of the inaugural session, Mr Safikul Islam, Chairman, AISC, IEI delivered the inaugural address through virtual platform.

Inaugural speeches were also delivered by Ms Pooja Kaul, Founder of Organiko, Delhi, Mr Manoj Jena, Founder and Chief Executive Officer, KNKT India, Kanpur and Ms. Divya Dixit, Founder and Managing Director of Divyang Foundation, Delhi.

A panel discussion was held with our guest Ms. Pooja Kaul and Mr. Manoj Jena. A total of 24 Research papers were presented during the conclave. The paper entitled "Fly Ash Cement Bricks by Using Shredded Plastic Waste Bottle" presented by Md Asim, and Pradeep Kumar, Raghvendra Chauhan, Civil Engineering Department secured first position. The paper entitled "Manual and Automatic Waste Food Compost making machine" presented by Prashant Kumar Jha, Om Baghel, Harsh Jaiswal, Aditya Gautam, Dheerendra and Aditya Bajpai, Mechanical Engineering Department secured second position. 25 model and posters which were presented and total 80 students participated in the model competition session. The model entitled "Fog based dry handwash machine using Arduino" represented by Faizan Ali, Divyanshi Singh, Mo. Amir Khan and Akash Sharma, Electronics Engineering Department secured first position. The model entitled "VIRJYATI" represented by Rishabh Tiwari, Anshika Tripathi and Shraddha Gupta, Information Technology Department secured second position in the event.

Guest lectures from Mr Pavitra Joshi - founder of kumaonkhand AIH and Mr Himanshu Jain, Founder and Chief Executive Officer at started-up were also organised along with the above technical activities.



Speakers during their inaugural speeches



Award presentation ceremony

Reports from Engineering College Students' Chapter

SRM Institute of Science and Technology (Tamil Nadu)

The IEI Students' Chapter, Department of Electronics and Communication Engineering of SRM Institute of Science and Technology organized a workshop on 'Neural Network and Medical Image Processing' on 24 February 2022.



Screenshot of the workshop

Ramco Institute of Technology (Tamil Nadu)

The IEI Students' Chapter of Mechanical Engineering Department organized Extramural a webinar on 'Various Funding Opportunities in DST for Engineering Institutions' on 6 February 2022.



Screenshot of the workshop

The IEI Students' Chapter of Department of Electronics and Communication Engineering of Ramco Institute of Technology organized 'Technical Poster Competition' on 26 February 2022. The Chapter also arranged a technical group discussion on the topic 'E-Learning Pros & Challenges' on 18 March 2022.

The IEI Students' Chapter of Department of Computer Science and Engineering of Ramco Institute of Technology organized guest lecture on 'Software Test Automation and Tools' on 12 February 2022.



Flyer of the event

School of Engineering and Technology, The Assam Kaziranga University (Assam)

The IEI Students' Chapter, Civil Engineering Department of School of Engineering and Technology, The Assam Kaziranga University organized a structural model design competition on 27 February 2022.



Students displaying their models

Narayana Engineering College (Andhra Pradesh)

The IEI Students' Chapter of Electronics and Communication Engineering Department of Narayana Engineering College conducted a technical talk on 'Open Source Hardware' on 22 February 2022.

Reports from Engineering College Students' Chapter



Speaker and the audience during the talk

K I E T Group of Institutions (Uttar Pradesh)

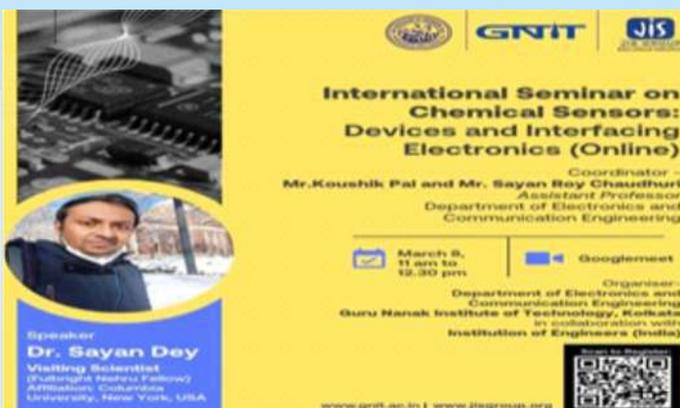
The IEI Students' Chapter, Computer Science & Engineering Department of KIET Group of Institutions organized webinar on 'Cyber Security' on 28 February 2022.



Flyer of the event

Guru Nanak Institute of Technology (West Bengal)

The Chapter also organized an international online seminar on 'Chemical Sensors: Devices and Interfacing Electronics' on 8 March 2022.



Flyer of the event

Rajalakshmi Engineering College (Tamil Nadu)

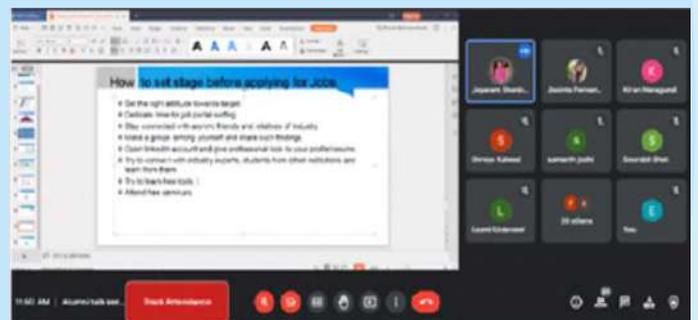
The IEI Students' Chapter of Department of Mechanical Engineering of Rajalakshmi Engineering College organized 'Initiation Day' and Invited Talk on 'Intelligent Robotic Assembly' on 3 March 2022.



Participants during the invited talk

KLS Vishwanathrao Deshpande Institute of Technology (Karnataka)

The IEI Students' Chapter of Department of Electronics and Communication Engineering organized a webinar on 'The Race for 5G' on 5 February 2022.



Screen-shot of the webinar

The Students' Chapter also organized webinar on 'Career Opportunities in VLSP' on 29 January 2022.

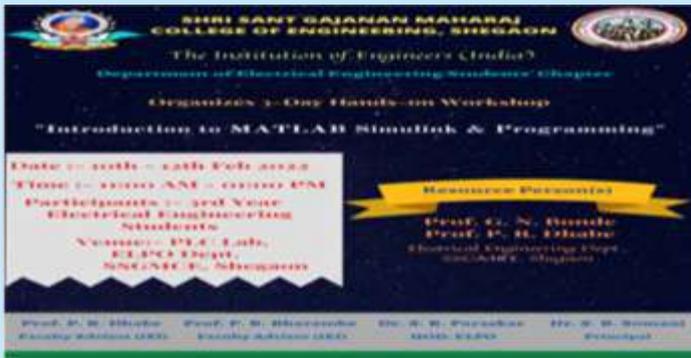


Screen-shot of the webinar

Reports from Engineering College Students' Chapter

Shri Sant Gajanan Maharaj College of Engineering (Maharashtra)

The IEI Students' Chapter of Electrical Engineering Department of Shri Sant Gajanan Maharaj College of Engineering organized a 3-day hands-on workshop on 'Introduction to MATLAB Simulink & Programming' during 10-12 February 2022.



Flyer of the event

The Students' Chapter also arranged a guest lecture on 'You can & You Must Win – Career Strategy' on 3 March 2022.



Flyer of the event

The IEI Students' Chapter also conducted an orientation program on 'Industrial Approach in Electronics and Arduino Programming' on 14 March 2022.



Speaker during the program

Sri Krishna College of Engineering and Technology (Tamil Nadu)

The IEI Students' Chapter of Civil Engineering Department organized a program on 'Employment for Engineers in Defence Sector' on 5 March 2022.



Screen-shot and flyer of the program

Dadi Institute of Engineering & Technology (Andhra Pradesh)

The IEI Students' Chapter of Civil Engineering Department of Dadi Institute of Engineering & Technology arranged technical event 'TECHWAR' during 4-5 March 2022. The Chapter also organized one week workshop on 'STAAD.Pro' during 14-19 March 2022.



Flyer of the event

Reports from Engineering College Students' Chapter

They also organized guest lecture on 'Applications of Remote Sensing & GIS in the Surface Water Studies' on the occasion of World Water Day during 22 March 2022.

AISSMS Institute of Information Technology (Maharashtra)

The IEI Students' Chapter of Electrical Engineering Department of AISSMS organized an expert lecture on 'Planning & Success Tips to Crack ESE & GATE Exams in First Attempt' on 8 March 2022.



Speaker during the lecture program

The IEI Students' Chapter also organized Industrial Visit to Ramelex Private Limited(RPL) on 3 March 2022.



Participants during the event

They also arranged two webinars on 'Opportunities in Solar PV' on 15 February 2022 and 'Scope, Future and Opportunities in Machine Learning' on 19 January 2022.



Screen-shot of the webinar

They also organized a workshop on 'Industrial Automation' on 24th March 2022.



Participants during the workshop

Government Engineering College, Bhavnagar (Gujarat)

The IEI Students' Chapter of Mechanical Engineering Department of Government Engineering College, Bhavnagar organized the following two days Industrial visits at Western Railway Workshop at Bhavnagarpara on 5 March 2022 and at Airport Bhavnagar, Airports Authority of India, Bhavnagar



Industrial Visit at Western Railway Workshop at Bhavnagarpara

Puducherry Technological University (Puducherry)

The IEI Students' Chapter of Computer Science and Engineering of Puducherry Technological University was inaugurated followed by celebration of World's Engineering Day 2022 on the theme 'Build Back Wiser – Engineering the Future' on 7 March 2022.



View of lighting of the lamp

Reports from Engineering College Students' Chapter

Amrita College of Engineering and Technology (Tamil Nadu)

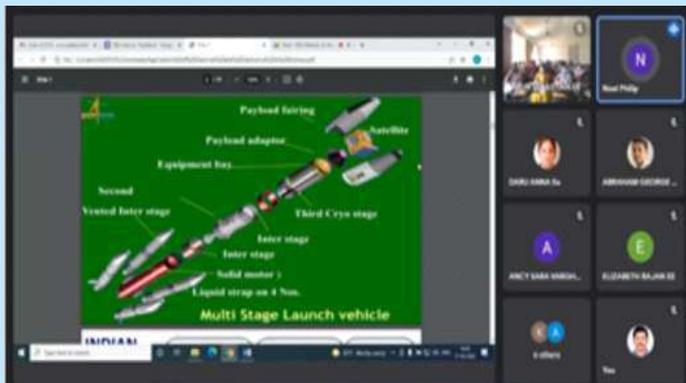
The IEI Students' Chapter, Electronics and Communication Engineering Department of Amrita College of Engineering and Technology organized an online session on 'Entrepreneurship Skill, Attitude and Behavior Development' on 24 February 2022.



Screen-shot of the event

Saintgits College of Engineering (Kerala)

The IEI Students' Chapter of Electrical and Electronics Engineering Department of Saintgits College of Engineering organized a webinar on 'Application of Electrical and Electronics in Avionics Systems' on 11 March 2022.



Screen-shot of the webinar

The Chapter also organized an Industrial Visit at Spectrum Softtech Solutions, Kochi on 21 March 2022.

Budge Budge Institute of Technology (West Bengal)

The IEI Students' Chapter of Civil Engineering Department of Budge Budge Institute of Technology conducted a plant visit at '30 MGD Water Treatment Plant at Dhapa' (Jai Hind Jal Prkalpa) on 14 March 2022.



Students during the visit

The Students' Chapter also organized a seminar on 'Air Pollution and its Remedial Measures' on 23 March 2022.



Lighting of the lamp during the inauguration of the seminar

VR Siddhartha Engineering College (Andhra Pradesh)

The IEI Students' Chapter of Electrical and Electronics Engineering Department of VR Siddhartha Engineering College organized a guest lecture on 'Power Systems' on 15 March 2022.



Speaker during the guest lecture

Reports from Engineering College Students' Chapter

Babu Banarasi Das Northern India Institute of Technology (Uttar Pradesh)

The IEI Students' Chapter, Computer Science & Engineering Department of Babu Banarasi Das Northern India Institute of Technology organized workshop on 'Profile Building and Career Avenues' on 25 March 2022.



Flyer of the workshop

United College of Engineering and Research, Prayagraj

The IEI Students' Chapter, Civil Engineering Department of United College of Engineering and Research organized a Technical Visit to ROR SITE LINKED WITH NTPC, URWA, MEJA on 11th March 2022.



Sri Manakula Vinayagar Engineering College (Puducherry)

Eleven Students' Chapters of Sri Manakula Vinayagar Engineering College were inaugurated on 10 March 2022.



Lighting of the lamp and view of thw dias during the inaugural program

University College of Engineering, Vizianagaram (Andhra Pradesh)

The IEI Students' Chapter, Mechanical Engineering Department of University College of Engineering organized a guest lecture on 'Hydrogen for Future Energy Conversion and Storage Applications' on 25 March 2022.

Reports from Engineering College Students' Chapter



KCG College of Technology (Tamil Nadu)

The IEI Students' Chapter, Mechanical Engineering Department of KCG College of Technology organized a guest lecture on 'CAD/CAM/CAE Tools for Mechanical Engineers' on 16 March 2022.

The Chapter also arranged a webinar on 'Mission: Possible – An Exclusive Webinar for Success in GATE' on 23 March 2022 and a technical visit to Modern Coach Factory, Lalganj Raybareli on 26 March 2022.

The IEI Students' Chapter of Automobile Engineering Department of KCG College of Technology organized a 'Hands on training on for 4 Wheelers' during 17-18 March 2022.



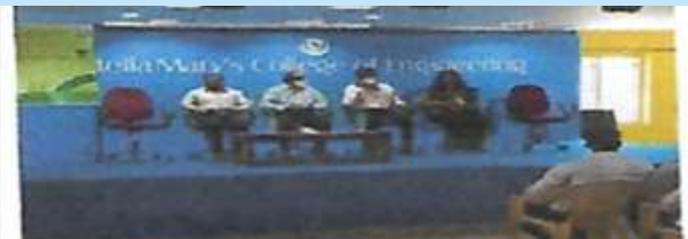
Flyer of the seminar



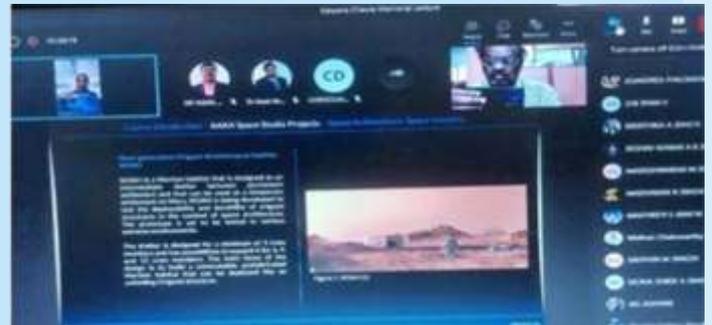
Stella Marys College of Engineering (Tamil Nadu)

The IEI Students' Chapter, Electrical and Electronics Engineering Department of Stella Marys College of Engineering was inaugurated on 25 March 2022.

The IEI Students' Chapter, Aeronautical Engineering Department of KCG College of Technology organized a webinar on 'Space Architecture' on 26 March 2022.



View of the dias during the inaugural program



Screen-shot of the webinar

Nandha College of Technology (Tamil Nadu)

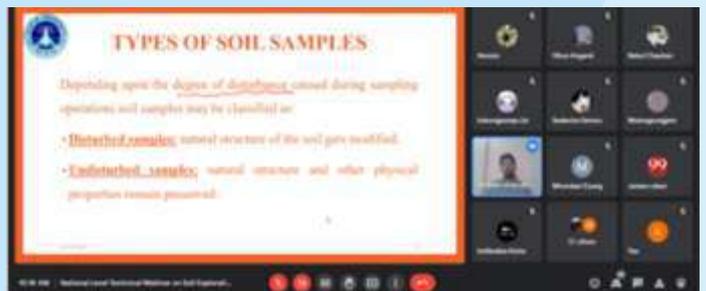
The IEI Students' Chapter of Department of Information Technology of Nandha College of Technology organized one day seminar on 'Introduction to Data Science' on 24 December 2021.

St. Joseph University (Nagaland)

The IEI Students' Chapter of Civil Engineering Department of St. Joseph University organized a national level technical webinar on 'Soil Exploration and Insitu Testing' on 22 March 2022.



Screen-shot of the seminar



Screen-shot of the webinar

Reports from Engineering College Students' Chapter

Cusrow Wadia Institute of Technology (Maharashtra)

The IEI Students' Chapter of Electronics and Telecommunication Engineering Department of Cusrow Wadia Institute of Technology organized an online three-days workshop on 'IOT and It's Application' during 28-31 March 2022.



Screen-shot of the workshop

Annasaheb Dange College of Engineering and Technology (Maharashtra)

The IEI Students' Chapter of Civil Engineering Department of Annasaheb Dange College of Engineering and Technology conducted 'Advanced Surveying Instruments' during 14-18 February 2022.



Participants during the program

L. D. College of Engineering (Gujarat)

The IEI Students' Chapter of Electrical Engineering Department of L D College of Engineering organized webinar on 'Electricity Markets and Trading' on 4 March 2022.



Screen-shot of the webinar

The IEI Students' Chapter organized a workshop on 'A.B.C.D. about Arduino' on 8 March 2022 and an expert session from field expert on

'Energy Conservation and Audit of Electrical System in Industry' on 25 March 2022.

National Institute of Technology, Puducherry (Puducherry)

The IEI Students' Chapter of Computer Science and Engineering Department of National Institute of Technology organized the National Level 'Project Expo 2022' on 11 March 2022.



Students during the EXPO

The IEI Students' Chapter of Electrical and Electronics Engineering Department of National Institute of Technology organized a state-level technical symposium 'AMBER 2022' during 4-5 March 2022.



Students during the symposium

The NorthCap University (Haryana)

The IEI Students' Chapter, Electronics and Communication Engineering Department of The NorthCap University organized a 'Tinkering Lab Project Competition' on 7 April 2022.



Students during the project competition

Reports from Engineering College Students' Chapter

Institute of Technology, Nirma University (Gujarat)

The IEI Students' Chapter, Civil Engineering Department of Institute of Technology, Nirma University organized a webinar on 'Career Talks and Further Studies in US' on 26 February 2022.



V R Siddhartha Engineering College (Autonomous) (Andhra Pradesh)

The IEI Students' Chapter of Electrical and Electronics Engineering Department of V R Siddhartha Engineering College (Autonomous) conducted a guest lecture on 'Electric Vehicles and Integrated Circuits' on 6 April 2022.



Speaker during the lecture

The IEI Students' Chapter, Electrical and Electronics Engineering Department of V R Siddhartha Engineering College organized an awareness program on 'Energy Conservation' on 12 April 2022.



Participants during the program

PSCMR College of Engineering and Technology (Andhra Pradesh)

The IEI Students' Chapter of Electrical and Electronics Engineering Department of PSCMR College of Engineering and Technology organized a webinar on 'Recent Advances in Electrical Engineering' on 7 April 2022.



Flyer of the seminar

St. Martin's Engineering College (Telangana)

The IEI Students' Chapter of Civil Engineering Department of St. Martin's Engineering College organized one day online guest lecture on 'Structural Analysis using STAAD PRO' on 11 April 2022.



Screen-shot of the webinar

The IEI Students' Chapter also organized one day webinar on 'Analysis and Design of Singly Reinforced Beams' on 12th April 2022.

Sri Manakula Vinayagar Engineering College (Puducherry)

The IEI Students' Chapter, Civil Engineering Department of Sri Manakula Vinayagar Engineering College organized a technical seminar on 'Importance of Plumbing Coordination and Career Opportunities for Civil Engineers' on 26 March 2022.

Reports from Engineering College Students' Chapter



Speaker during the seminar

MEA Engineering College (Kerala)

The IEI Students' Chapter, Civil Engineering Department of MEA Engineering College was inaugurated on 18 April 2022.



View of the dias during the inaugural program

B V M Engineering College (Gujarat)

The IEI Students' Chapter of Civil Engineering Department of B V M Engineering College organized a technical visit to the '7th Smart Cities Expo – 2022' during 23- 25 March 2022.



Participants during the technical visit

The Chapter also conducted a two days workshop on 'Auto Level, Dumpy Level and QGIS' during 4-5 March 2022.

NMAM Institute of Technology (Karnataka)

The IEI Students' Chapter, Biotechnology Engineering Department of NMAM Institute of Technology organized expert talks on 'Basic Taxonomy & Doctrine of Signature' on 21 April 2022.



Speaker during the technical talk

Raghu Engineering College (Andhra Pradesh)

The IEI Students' Chapter, Department of Electrical and Electronics Engineering of Raghu Engineering College organized an industrial tour to HBL Ltd, Visakhapatnam on 16 April 2022.



Participants during the tour

Symbiosis University of Applied Sciences (Madhya Pradesh)

The IEI Students' Chapter of Symbiosis University of Applied Sciences was inaugurated on 22 April 2022.



View of the dias during the inaugural program

Reports from Polytechnic College Students' Chapter

Rajagopal Polytechnic College (Tamil Nadu)

The IEI Students' Chapter of Rajagopal Polytechnic College conducted Second National Conference on 'Futuristic Trends in Engineering and Technology – NCFET – 2022' on 31 March 2022.



Participants during the industrial visit to Mapro Industry, Pune



Lighting of the lamp during the inaugural session

AISSMS's Polytechnic (Maharashtra)

The IEI Students' Chapter of AISSMS's Polytechnic organized a technical industrial visit to Sunit Construction Bhor Unit on 22 April 2022.

Government Polytechnic, Belgaum

The IEI Students' Chapter, Civil Engineering Department of Government Polytechnic organized three seminars on 'Recent Trends in Civil Engineering Field' on 8 February 2022, 'Environmental Sustainability' on 22 February 2022 and 'Tally ERP 9' on 16 March 2022.



Participants during the technical visit



View of the participants during the seminar 'Recent Trends in Civil Engineering Field'

The IEI Students' Chapter also organized a two days workshop on 'Programmable Logic Controller (Allen Bradley) Training' during 19-20 April 2022.

The IEI Students' Chapter of AISSMS Polytechnic organized 'Blind Coding Competition' on account of World's Engineering Day on 4 March 2022 and a virtual industrial visit in IANT, Pune on 10 March 2022. The IEI Students' Chapter also organized one day workshop on 'Industrial Automation' on 24 March 2022.

The Chapter conducted 'General Aptitude Test' on 22 February 2022 and a campus recruitment drive by Zindal Steel on 2 March 2022. They arranged a workshop on 'Life Skills and Cardiopulmonary Resuscitation' on 14 March 2022.

Buddha Polytechnic College (Gorakhpur)

The IEI Students' Chapter of Buddha Polytechnic College organized an event 'Technical Writing' on 26 February 2022.

Sant Gajanan Maharaj Rural Polytechnic (Maharashtra)

The IEI Students' Chapter of Computer Engineering Department of Sant Gajanan Maharaj Rural Polytechnic organized 'Workshop on Selenium using Java' on 12 March 2022.



Speaker during the workshop



Speaker of the workshop

The IEI Students' Chapter organized an industrial visit at Manisha Engineers Pvt Ltd, Pune on 4 April 2022 and at Mapro Industry, Pune on 9 April 2022.

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)40106248/ (033)40106302.

Online Submission of Corporate Membership Application 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.
- (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.

