



IEI

Newsletter

Students' Chapters

February
2025

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Prof (Dr) Chandrashekara S N, FIE
Chairman,
All India Students' Committee (AISC)

The Sustainable Goal Development gives importance on end to poverty in all its forms everywhere. Engineers play a pivotal role in achieving the Sustainable Development Goal of "No Poverty" by developing essential infrastructure, promoting sustainable economic growth, and ensuring access to resources and services, ultimately alleviating poverty and improving living standards.

Engineers play a vital role in designing and building infrastructures like roads, bridges, water systems and sanitation facilities. Developing affordable and sustainable solutions for housing, agriculture, and healthcare, innovation of technologies and practices that promote sustainable agriculture all contribute to economic development of a nation. Engineers deploy renewable energy technologies, which can provide affordable and clean energy to communities in need. Engineers develop technologies and practices that promote sustainable agriculture, which can improve food security and livelihoods in rural areas. They design and implement solutions to ensure access to clean water, sanitation, energy, and other essential services, which are crucial for improving living conditions and reducing poverty. Engineers can contribute to creating sustainable and inclusive economic growth by developing technologies and processes that are efficient, environmentally friendly, and create jobs. Engineers can repurpose and improve existing technologies to make them more accessible and affordable for people in poverty, such as developing low-cost mobile phones or transportation options. By providing access to tools, shelter, transport, healthcare, education, and the internet, engineers can empower people in poverty and help them improve their lives.

All India Students Committee of IEI conducts technical events on various SDG Goals. Therefore, I on behalf of AISC request all Students' Chapters to organize the technical activities on these areas to make the budding engineering students discuss various aspects of Engineering that can contribute to reduce poverty.

News of Technical Activities from Engineering College Students' Chapter

Southern Zone

Anurag University, Hyderabad (Telangana)

The IEI Student's Chapter of Department of Electronics and Communication Engineering organized an Industrial Visit to IMD on 10 July 2024, an event on "Competition in LRQA - Aptitude Test" on 11 July 2024, two One day Hands-on workshops on "Practical approach in MicroStrip Antenna Design" on 20 July 2024 and "Introduction to the AMD Kira-SOM and the capabilities of the AMD KV260 Vision AI Starter Kit" on 01 February 2025.



Glimpses of the event

Bishop Jerome Institute, Kollam (Kerala)

The IEI Students' Chapter of Department of Civil Engineering organized a Technical Talk on "Engaging Youth to Create a Better Urban Future" on 09 October 2024 on occasion of World Habitat Day celebration.

The IEI Students' Chapter of Department of Electrical and Electronics Engineering and Department of Computer Science Engineering were inaugurated on 22 January 2025.



Glimpses of the event

Chettinad College of Engineering & Technology, Karur (Tamilnadu)

The IEI Student's Chapters were inaugurated in Artificial Intelligence and Data Science, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering Department on 31 January 2025. They organized a Paper Presentation on 29 January 2025 and organized a Hands on Training on "JavaScript and its Advanced Concepts in Web Programming" from 03-07 February 2025.

The IEI Student's Chapter, Department of Electrical and Electronics Engineering organized short term course on "Power Supply Design from Concept to Fabrication". They also organized an event on the theme "Design and Implementation of 1.5 KW on/Off grid for Solar Energy System" during 30 January -01 February 2025.

The IEI Student's Chapter of Department of Electronics and Communication Engineering organized a "Value Added Course IoT Systems using CISCO Packet Tracer" during 24 -28 January 2025.

News of Technical Activities from Engineering College Students' Chapter



Glimpses of the event

GATES Institute of Technology Autonomous, Gooty (Andhra Pradesh)

The IEI Student's Chapter of Department of Computer Science and Engineering organized an event "Code Catalyst : Hackathon" on 31 January 2025.



Glimpses of the event

K. Ramakrishnan College of Engineering, Trichy, (Tamilnadu)

The IEI Students' Chapter of Electronics and Communication Engineering Department organized two-day workshop on "Robotics and IoT" from 07 - 08 February 2025.



Glimpses of the event

Narayana Engineering College, Gudur (Andhra Pradesh)

The IEI Student's Chapter of Electronics and Communication Engineering Department organized a Seminar on "TV Communication Technology" on 17 February 2025.



Glimpses of the event

NMAM Institute of Technology, Karkala (Karnataka)

The IEI Students' Chapter of Electrical and Electronics Engineering Department organised an Industrial Visit to the Substation, KEMAR, Parpale, Doopadakatte, Udipi District on 03 October 2024; a talk on "Switch Gear Components Of Electrical Transmission and Distribution System" on 30 September 2024.

News of Technical Activities from Engineering College Students' Chapter

The IEI Students' Chapter of Electronics and Communication Engineering Department arranged visits to Electrical and Automation Department, LnT, Mysuru on 14 November, 2024 and Government Tool Room And Training Centre, (GTTC) Udipi on 19 October, 2024.

The IEI Students' Chapter of Department of Civil Engineering conducted a One-Day Workshop on "Financial Management For Engineers: Bridging Tech & Finance" on 19 September 2024. The IEI Students' Chapter of Department of Information Science and Engineering organized an Entrepreneurship Talk Titled "My Journey" on 11 November 2024. They also organized a Quiz Competition on the theme 'Know Your Maths Problem Solving Skills' on 25 January 2025.

The IEI Students' Chapter of Department of Artificial Intelligence and Data Science organized a Technical Quiz Competition on the theme 'Mind Matrix' on 30 September 2024.

The IEI Students' Chapter of Biotechnology Engineering Department organized an event "BIODEBATE" on 18 October 2024.



Glimpses of the event

NSS College of Engineering, Palakkad (Kerala)

The IEI Student's Chapter of Department of Mechanical Engineering organized a workshop on 'Computational Fluid Dynamics (CFD)' during 08 -09 February 2025.



Glimpses of the event

Ramco Institute of Technology, Rajapalayam (Tamil Nadu)

The IEI Student's Chapter of Department of Computer Science and Engineering, organized a "Value Added Course on Mastering Web Application with Hackathon challenges" from 20 -25 January and 27 January - 01 February 2025.



News of Technical Activities from Engineering College Students' Chapter

The IEI Student's Chapter of Department of Electrical and Electronics Engineering organised a Workshop on "Modern Electrical Measurement & Sustainable Power Analysis for Electrical Engineers" on 05 February 2025. They also organized a Value Added Course on "Selection and Testing of Industrial Sensors" during 20 -24 January 2025.



Glimpses of the event

SRM Institute of Science & Technology, Kattankulathur (Tamil Nadu)

The IEI Student's Chapters of SRM Institute of Science & Technology organized a Workshop on "Know Yourself, Grow Yourself: A Self-Discovery Workshop" on 14 February 2025 and Department of Aerospace Engineering organized a Workshop on "Harnessing Inner Strength: A Workshop on Women's Resilience" on 07 March 2025.



Glimpses of the event

V R Siddhartha School of Engineering, Siddhartha Academy of Higher Education (SAHE)- Vijayawada (Andhra Pradesh)

The IEI Student's Chapter of Department of Electrical and Electronics Engineering organized an event 'Utsav 2025' on 09 January 2025. They organized a seminar on 'Energy Conservation' on 07 February 2025 and carried out a Campaign on 'Renewable Energy' on 10 February 2025. They also organized a Four-day workshop on "EV Technology" during 13 -16 February 2025.



Glimpses of the event

Northern Zone

Dayal bagh Educational Institute (DU), Agra, (Uttar Pradesh)

The IEI Students' Chapter Department of Footwear Technology organized a one-day workshop on "Mastering Perceived Quality" conducted on 15 February, 2025.



News of Technical Activities from Engineering College Students' Chapter



Glimpses of the event

Western Zone

AISSMS College of Engineering, Pune (Maharashtra)

The IEI Students' Chapter Department of Electronics and Telecommunication Engineering, organized a Seminar on "Project Management and SCRUM Framework" on 05 February 2025.



Glimpse of the event

Army Institute of Technology Pune (Maharashtra)

The IEI Students' Chapter of Department of Mechanical Engineering organized a guest Lecture on 'Steam Engineering' on 17 January 2025.



Glimpse of the event

Birla Vishvakarma Mahavidyalaya, Anand (Gujarat)

The IEI Students' Chapter of Department of Civil engineering organized the 2nd National Symposium wherein technical sessions on "Green Energy and Technology" and "Geomatics and its Application in Infrastructure" were delivered on 26 December 2024 and an Expert Talk on "Data Structure in Real Estate and Future of BIM in Sustainable Design" was delivered on 27 December 2024. The IEI Students' Chapter of Civil Engineering Department organized seminars on "GPSC Blueprint: Strategies for aspirants" on 08 January 2025, "Elevation Profile Surveying" on 24 - 25 January 2025, "Constructing the Future: RFID Technology Redefines the Industry" on 23 January 2025, "Hydraulic Modelling: Introduction to the Design of Water Distribution Network using Software" on 05 February 2025, "Enhancing Energy Efficiency in Green Buildings: Strategies and Innovations" on 10 February 2025, "From Planning to Execution: Navigating MS Project for Optimal Results" on 07 February 2025, "Orientation Session on Real Estate Valuation" on 13 February 2025, 'An overview of Primavera' on 14 February 2025 and "Understanding Green Certification Through Case Study" on 19 February 2025.



Glimpses of the event

News of Technical Activities from Engineering College Students' Chapter

G H Raisoni Institute of Engineering Nagpur (Maharashtra)

The IEI Students' Chapter of Department of Electrical Engineering organized an Industrial Visits at Dinshaw Ice Cream Factory on 30 January 2025 and Koradi Thermal Power Station, Koradi on 24 February 2025.



Glimpse of the event

K. K. Wagh Institute of Engineering Education & Research, Nashik (Maharashtra)

The IEI Students' Chapter of Department of Civil Engineering organized an Expert Talk on "Career Prospects for Civil Engineers to be successful" on 17 January 2025 and an Expert Talk on 'AI Tools for Civil Engineering' on 06 February 2025.



View of the dias

P. R. Pote Patil College of Engineering & Management, Amravati (Maharashtra)

The IEI Students' Chapter of Department of Computer Science and Engineering organized a Seminar on "Universal Human Values & Health Care" on 17 February 2025 and an Industrial Visit to Maharashtra Remote Sensing Applications Centre, Nagpur on 28 February 2025.



Glimpse of the event

SNJB'S Late Sau K.B.J. College of Engineering Chandwad, Nashik (Maharashtra)

The IEI Students' Chapter of Department of Mechanical Engineering organized an Industrial Internship presentation on 08 February 2025, and an Expert talk on GATE Awareness Session - Opportunities & Preparation Strategies on 12 February 2025.



Glimpse of the event

Thakur College of Engineering and Technology, Mumbai (Maharashtra)

The IEI Students' Chapter organized a Seminar on 'My Success Motivation Session by Successful Innovators' on 30 January 2025.



Glimpse of the event

Eastern Zone

Institute of Engineering & Management, University of Engineering & Management, Kolkata (West Bengal)

The IEI Students' Chapter of Department of Electrical Engineering organized a Short Term Training Program on "Grid Integration of Inverter-based Resources" from 27-31 December 2024 and a Workshop on 'MATLAB' on 15 January 2025.



Workshop

News of Technical Activities from Polytechnic College Students' Chapter

Government Polytechnic, K R Pete (Karnataka)

The IEI Student Chapter organized a Workshop on "Cyber Security Fundamentals" on 07 February 2025, a Seminar on "Schemes and Incentives for Self Development" on 17 February 2025 and a Workshop on "Career In Space And Code To Cosmos" on 22 February 2025.



Glimpses of the event

Government Polytechnic, Siddapur (Karnataka)

The IEI Student Chapter organized a Science and Technical exhibition on 11 February 2025.



Glimpses of the event

Government Polytechnic, Ahmedabad (Gujarat)

The IEI Student Chapter was established on 10 February 2025. An Expert Lecture was organized on "Electrification of Multistoried Buildings" on 30 January 2025.



Glimpses of the event

P.A.C. Ramasamy Raja Polytechnic College, Rajapalayam (Tamil Nadu)

The IEI Student Chapter organized a Technical Programme on 'AI Conclave' on 25 October 2024, an online Lecture on 'Testing of Concrete' on 28 October 2024 a Lecture on "Awareness Program on Entrepreneurship" on 27 December 2024, a Guest Lecture on 'Vertical Transportation System' on 28 December 2024, a Poster presentation on "Automobile Engine & Lubrication system" on 28 December 2024, a Seminar on "Automobile Engine and its function" on 28 December 2024, a Lecture on "Design Thinking in EV, Electric Vehicle Technology" on 30 December 2024, a Technical Visit to Sewage Treatment Plant on 23 October 2024 and an In-Plant Training during 01 December -15 December 2024.



Glimpses of the event

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 hosting of the event. The format of the report can be accessed from the link

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

Please provide the photographs of the event with clarity

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)40106251/ (033)40106302.

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

The Interested Engineers are requested to submit their membership application through **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

Steps to establish IEI Students' Chapters in

Engineering Colleges/ Polytechnics

Engineering Colleges/ Polytechnics may establish Students' Chapter of IEI with at least 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 **thirty numbers (30)** of students irrespective of the year of study in the same branch of engineering is required for opening a Students' Chapter other than Electronics and Telecommunication Engineering Department and Computer Science Engineering Department.
- (ii) In a College/University/Institution, at least **fifty numbers (50)** of students is required for Electronics and Telecommunication Engineering Department and Computer Science Engineering Department irrespective of the year of study.
- (iii) To enable formation of a Chapter in any recognized polytechnic minimum number of member required is **thirty (30)**. 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 with 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 www.ieindia.org. The forms have to be filled up by the willing students for becoming members of Students' Chapter in consultation with the Adviser.
- The requisite fee to be collected from each student as per the year of study are given below.

(i) For Degree Engineering College:

Membership Fee for Students' 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			

i) For Polytechnic:

Membership Fee for Students' Chapter	Subscription (Rs)	Share of Colleges/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 enquiries, contact us at studentchapter@ieindia.org/director_membership@ieindia.org or visit www.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.
- ❖ 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>).
- ❖ The **Students' Chapter Newsletter** is distributed amongst the Chapter members and may be browsed through www.ieindia.org.
- ❖ The Students' Chapters may participate in **Regional Conclave** to be organized in the emerging field of engineering by engineering college and polytechnic region wise.

