



IEI

Newsletter

Students' Chapters

June
2025

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Editorial Assistant

Mr Suman Bagchi
Ms Sucharita Ghosh

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Membership Department

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



Prof (Dr) Chandrashekara S N, FIE

Chairman,
All India Students' Committee (AISC)

The third target of Sustainable Development Goal is to ensure healthy lives and promote well-being for all at all ages. This includes reduction of Maternal mortality, Neonatal and child mortality, end of infectious diseases like epidemics of tuberculosis, malaria and waterborne diseases and other communicable and noncommunicable diseases. It also includes global deaths and injuries from road traffic accidents. The target to reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination.

Engineers can contribute to achieving this goal by developing technologies and systems that improve healthcare systems and its access, enhance sanitation, and address environmental health challenges. Their work spans from designing medical devices and infrastructure to creating sustainable solutions for clean water and sanitation, all crucial for ensuring healthy lives and promoting well-being for all. Engineers design and develop medical devices like diagnostic tools and monitoring systems to diagnose the medical condition. With the use of artificial intelligence and data analytics healthcare delivery, predict disease outbreaks, and resource allocation can be optimized. Design and building hospitals, clinics, and other healthcare facilities with well-equipped devices can transform the healthcare industry. Engineers play a vital role in designing and implementing clean water and sanitation systems, which are crucial for preventing waterborne diseases and promoting hygiene. Engineers develop technologies for monitoring air and water quality, helping to identify and address pollution sources that can negatively impact human health.

SDG: Goal 3 is particularly important for India having a large and diverse population. The major problems faced in India are challenges of equity and lack of access to quality health services, mostly in rural areas. Some of the initiatives taken by the Government are National Health Mission (NHM), Ayushman Bharat health insurance scheme, National Programme for Health Care for the Elderly (NPHCE), etc. The challenge for immunization of its vast population against various diseases like measles, polio, and tetanus etc have been taken care of. Another factor that affects Indian's health severely is usage of Tobacco. The Indian Government has taken several measures to control the use of tobacco such as the National Tobacco Control Program (NTCP), which aims at reducing tobacco use in India, using measures such as higher taxation, advertising restrictions, health warnings, and cessation services. There are other programmes like National Leprosy Eradication Programme that aims to reduce leprosy cases, Integrated Disease Surveillance Programme (IDSP) that aims to monitor disease trends and to detect and respond to outbreaks in early rising phase. The National Mental Health Programme (NMHP) aims to improve the access of mental healthcare services and National Programme for control of blindness aims to reduce the cases of blindness. There are National Programme for Prevention and control of cancer, diabetes, cardiovascular diseases and stroke that aims to reduce premature mortality and morbidity from these diseases.

In summary, India has crossed a long way towards healthy life for its people. Engineers have a vital role in such programmes as they build the backbone and infrastructure for achieving such prime and challenging goal. 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 health problems and **'ensure healthy lives and promote well-being for all, at all ages'**.

News of Technical Activities from Engineering College Students' Chapter

Southern Zone

Bishop Jerome Institute, Kollam (Kerala)

The IEI Student Chapter, Department of Civil Engineering and Computer Science & Engineering organized a National Conference on 'Emerging Trends and Innovation (NCETI-2025)' during 19–20 June 2025.



View of the Dias

Chettinad College of Engineering & Technology, Karur (Tamil Nadu)

The IEI Student Chapter, Department of Artificial Intelligence and Data Science organized a Workshop on 'Design Thinking' on 21 May 2025.



Glimpse of the event

GATES Institute of Technology Autonomous, Gooty (Andhra Pradesh)

The IEI Student Chapter, Department of Computer Science and Engineering organized an Expert Talk on 'Industry Expectations from Young Engineers and Digital Technology Transformations' on 19 April 2025. They also arranged a Project Expo on 10 April 2025.



View of the Dias

K Ramakrishnan College of Engineering, Trichy (Tamil Nadu)

The IEI Student Chapter, Department of Electronica and Communication Engineering organized a one day seminar on 'Industry Initiatives on Green Electronics: Challenges, Opportunities, and Future Directions' on 08 May 2025.



Glimpses of the event

News of Technical Activities from Engineering College Students' Chapter

MAM College of Engineering and Technology, Tiruchirapalli (Tamil Nadu)

The IEI Student Chapter, Department of Electrical and Electronics Engineering organized National Level Technical Symposium 'Electroblitz-2k25' on 25 April 2025.



Glimpses of the event

Nandha Engineering College (Autonomous), Erode (Tamil Nadu)

The IEI Students' Chapters was inaugurated in the Departments of Computer Science and Engineering on 21 May 2025. A seminar on 'Real-World Hacking and Career Paths in Cyber Security' was also conducted on that day.



Glimpses of the event

P A College of Engineering, Mangalore (Karnataka)

The IEI Student Chapter, Department of Civil Engineering organized 'Kaushal 25 – A Project Competition and Expo' held on 12 May 2025.



View of the dias

Ramco Institute of Technology, Rajapalayam (Tamil Nadu)

The IEI Student Chapter of Department of Computer Science and Engineering conducted a two-day workshop on the theme 'Augment Your Imagination: Build Your AR World' on during 28-29 April 2025 and a Project Expo on the theme 'IdeaX: Bridging Ideas and Industry (Project Expo)' on 29 April, 2025.



Glimpses of the event

News of Technical Activities from Engineering College Students' Chapter

The IEI Student Chapter of Department of Electrical and Electronics Engineering, conducted the event Aptitude test on Logical Reasoning on 13 May 2025.

The IEI Student Chapter of Department of Mechanical Engineering organized Workshop on 'Mastering Scientific Presentations: A Hands-on Seminar on LaTeX Beamer' on 06 May 2025, a Project Demonstration on 13 May 2025 and a Poster Presentation during 14-15 May 2025.

The IEI Student Chapter of Department of Information Technology organized a technical event titled 'Bit Battle' on 19 April 2025, a Guest Lecture on 'Devops and a Management: A Roadmap for Engineers' on 12 April 2025 and a Guest Lecture on Azure Services and Cloud Architecture on 26 April 2025.



Glimpses of the event

Saintgits College of Engineering , Kottayam (Kerala)

The IEI Student Chapter, Department of Electrical and Electronics Engineering organized a project exhibition competition on 08 April, 2025.



Glimpses of the event

Sri Venkateswara college of Engineering, Pennalur (Tamil Nadu)

The IEI Student Chapter, Department of Electrical and Electronics Engineering organized one week online lecture series programme on 'Recent Advances in Electrical Engineering – Industry Perspective' from 08 -13 May 2025.



Screenshot of the lecture session

Eastern Zone

Assam Don Bosco University, Guwahati (Assam)

The IEI Student Chapter, Department of Civil Engineering organized a workshop on the theme 'Innovate for Impact: An Introduction to Design Thinking and Social Innovation' on 13 May 2025.



Glimpse of the event

Hooghly Engineering & Technology College, Hoogly (West Bengal)

The IEI Students' Chapter organized an annual state level technical festival titled 'TECHetc2K25' during 15- 16 May 2025.



Glimpses of the event

News of Technical Activities from Engineering College Students' Chapter

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

The IEI Student Chapter Department of Electrical Engineering organized a technical poster presentation competition 'POSTERNOVA 2025' and an annual project demonstration competition 'SIMULCRUM 2025' on 11 April 2025.



Glimpses of the event



Glimpses of the event

MGM's College of Engineering, Nanded (Maharashtra)

The IEI Student Chapter, Department of Civil Engineering organized a Traffic Awareness Programme on 29 March 2025.



Glimpses of the event



Glimpses of the event

Western Zone

Anjuman College of Engineering & Technology, Sadar, Nagpur (Maharashtra)

The IEI Students' Chapter of Department of Electrical Engineering organized Industrial visits to (i) Dinshaws Ice Cream factory ButiBori Nagpur, (ii) Koradi Thermal Power Station, Koradi, (iii) CSIR NEERI, Nagpur, (iv) Shreya plasto Bathware Pvt. Ltd, MIDC Hingna Nagpur and (v) Haldirams Foods International Pvt. Ltd. Nagpur on 14 January 2025. They also arranged a Workshop of 15 days on 'Industrial Automation in PLC, SCADA, HMI'.



Rajarshi Shahu College of Engineering, Pune (Maharashtra)

The IEI Student Chapter, Department of Mechanical Engineering organized a Guest Lecture on 'Intellectual Property Rights (IPR) – Overview and Importance' on 20 March 2025.



Glimpses of the event

News of Technical Activities from Polytechnic College Students' Chapter

Government Polytechnic, Belgaum

The IEI Student Chapter organized a short term training on 'CNC and VMC' at Karnataka German Technical Training Institute, Belgaum during 01 – 10 January 2025 and an academic visit to KLE Tech University, Belagavi for Project Exhibition on 11 January 2025. they also organised seminars on (i) 'Artificial Intelligence' on 24 January 2025, (ii) 'Importance of Meditation and Benefits' on 10 February 2025 and (iii) 'Modern Surveying and Hands On Training with Total Station' on 29 March 2025. Further, they conducted aptitude tests on 27 January 2025 and 03 February 2025. They also conducted One day workshop on (i) 'Product Design and 3D Printing Technology' on 29 January 2025. They organised lectures on topic (i) 'Soft Skills and DCET Preparation' followed by a workshop on 'Yoga and Prayer' on 11 February 2025 and 'Total Quality Management' and online quiz on topic 'total quality management' on 18 March 2025. They arranged felicitation program for toppers of automobile final year students and lecture session on 'Pillars of Mental Well-being' on 14 February 2025, a lecture on 'Role of Mechanical Engineers in Automation Industry' on 24 February 2025, 'Role of Electrical Engineers in Thermal Power Plant' on 24 February 2025, 'Role of Civil Engineers in Nation Building' on 01 March 2025 and 'Role of Stenographer in Court and Skills' on 22 May 2025. The Chapter also conducted Campus recruitment drive on 17 February 2025, a general online quiz on topic 'Indian Constitution' on 13 March 2025, Group discussion and campus recruitment drive on 17 March 2025 and 20 March 2025 and display of technical information and poster presentation competition on topic ' project management skills during 27-28 March 2025



Glimpse 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 Deputy 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 **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 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 Headquarters of The Institution of Engineers (India) alongwith the payment.

For enquiries, contact us at studentchapter@ieindia.org/dd.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 Members of Students' Chapters may submit paper in students journal which is published every year in December.
- ❖ 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.

