



IEI

Newsletter

Students' Chapters

August
2025

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Prof (Dr) Chandrashekara S N, FIE

Chairman,
All India Students' Committee (AISC)

Sustainable Development Goal 4 focuses on providing quality education for everyone, regardless of gender, age, background, disability, or location. It recognizes that education is key to breaking the cycle of poverty, promoting equality, and building sustainable societies. In a world where majority children and youth are out of school globally, quality education is required to reduce poverty, boost economic growth, and foster peace. Sustainable Development Goals ensure that all children complete equitable, and quality primary and secondary education, quality early childhood care and pre-primary education. The primary goal is to promote education for sustainable development, human rights, and global citizenship.

Engineering enables not only through tools and infrastructure, but also by transforming how education is delivered and made accessible. Engineers are key players in ensuring that quality education reaches everyone, everywhere. They help to design and build schools in underserved or remote areas, using sustainable, cost-effective, and disaster-resilient materials and provide reliable water, electricity, and internet access to schools through engineered systems. Engineers create and maintain platforms and tools like E-learning systems, low-bandwidth apps for rural areas, AI-based tutoring systems, etc. Engineers contribute to systems that track attendance, literacy rates for better policy-making. Civil engineers can map underserved areas to guide school placement and resource allocation. Engineers designed affordable, rugged laptops for children in low-resource settings, solar-powered classrooms and use tech-driven solutions to deliver low-cost education in developing nations.

India has made significant strides toward improving access, increasing literacy, especially among rural and female populations, and mobilizing large-scale programs. The literacy rate of India has increased enormously both in urban and rural areas. Female literacy in rural areas improved even more sharply. A few states/Union Territories have reached what is considered “full literacy” (often meaning $\geq 95\%$ literacy) or are declared fully literate under national programs. Examples include Goa, Mizoram, Tripura, Ladakh, Himachal Pradesh. Several large-scale programs have contributed to progress like ULLAS, Nav Bharat Saaksharta Karyakram, Saakshar Bharat and Padhna Likhna Abhiyan and Samagra Shiksha Abhiyan. However, even when access has increased, learning outcomes are lagging. The country has done well in primary and lower secondary completion, but enrollment / completion in upper secondary and higher education still need greater improvement. The problem lies in lack of trained teachers, inadequate school infrastructure, rising conflict and crises, gender inequality and limited access to technology.

Sustainable Development Goal 4 aims to ensure inclusive, equitable, and quality education and promote lifelong learning opportunities for all. Through infrastructure, technology, and innovation, Indian engineers are instrumental in transforming the education landscape and accelerating the achievement of SDG 4 in the country. Therefore, I on behalf of AISC request all Students' Chapters to organize the technical activities on these areas to make the engineering students discuss aware of the various technologies of Engineering through which they can contribute to quality education to the future generations of the country.

News of Technical Activities from Engineering College Students' Chapter

Southern Zone

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

The IEI Student Chapter of Department of Electronics and Communication Engineering conducted a three-day intensive course on 'PIC Microcontroller Based Embedded Systems' during 23 July 2025 -25 July 2025.



Glimpses of the event

College of Engineering Perumon, Perumon (Kerala)

The IEI Students' Chapter of Department of Mechanical Engineering of College of Engineering Perumon was inaugurated on 19 March 2025.

Dr. M.G.R. Educational and Research Institute, Chennai (Tamil Nadu). The IEI Student Chapter organized Innovista'25 during 19-26 May 2025 with multiple events like 'Founder's Forum', a digital design event 'Pixel Pal', a fun quiz-based event for cinema lovers 'Green Screen', a high-energy public speaking competition with theme 'The Great Duel', Art Showcase'25 on the theme "Where every stroke tells a story" followed by 'Innovista'25 Valedictory & IEI Annual Day' and an Ethical Hacking Series, introducing students to cyber security practices with hands-on tasks and the Cyber Shield Awareness Initiative.



Glimpses of the event

K. Ramakrishnan College of Engineering, Trichy (Tamil Nadu)

The IEI Students' Chapter of Electronics and Communication Engineering Department was inaugurated on 12 August 2025 and a Seminar on 'Multilingual Prompting for Business Efficiency' was also organized concurrently.



Glimpses of the event

Mohan Babu University, Tirupati (Andhra Pradesh)

The IEI Student Chapter of Department of Electronics and Communication Engineering organized an online Electro-Techno Quiz on 06 August 2025.



Glimpses of the event

News of Technical Activities from Engineering College Students' Chapter

Pragati Engineering College, Surampalem (Andhra Pradesh)

The IEI Students' Chapter, Department of Electrical and Electronics Engineering organized a PowerPoint Presentation on 'Basic Components in Electrical & Electronics' on 12 July 2025.



Glimpses of the event

PSN College of Engineering & Technology, Nanguneri (Tamil Nadu)

The IEI Student Chapter of Department of Artificial Intelligence and Data Science organized a Seminar on Exploring Intelligence Beyond Humans : A Quick Drive into AI on 14 August 2025.



Glimpses of the event

R P Sarathy Institute of Technology, Salem (Tamil Nadu)

The IEI Student Chapter, Department of Electrical and Electronics Engineering, Salem organized 'Mega Eye Camp' on 15 June 2025 and International Yoga Day" on 21 June 2025.



Glimpses of the event

Raghu Engineering College, Visakhapatnam (Andhra Pradesh)

The IEI Student Chapter of Department of Civil Engineering organized 'Interactive online session on Global Opportunities for Civil Engineering Students' on 07 July 2025.



The speaker and participants

Ramco Institute of Technology, Rajapalayam (Tamil Nadu)

The IEI Students' Chapter, Department of Mechanical Engineering in association with the Automation and Robotics Club organized a Display of Technical Event on 'Mobile Robotics' from 02–03 July 2025.

The IEI Students' Chapter Department of Electrical and Electronics Engineering organized a Value Added Course on 'Electronic Gadgets Design and Development Cycle' was conducted from 30 June 2025 to 04 July 2025. 'Group Discussion' was conducted on 06 August 2025.



Glimpses of the event

News of Technical Activities from Engineering College Students' Chapter

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

The IEI Student Chapter of Computer Science and Engineering organized a Student Competition 'Paper Pandemonium' on 08 August 2025. The IEI Student Chapter organized a Faculty Development Programme on "Data Analytics & Visualization" during 12–14 August 2025.



Glimpses of the event

TKM Institute of Technology, Kollam (Kerala)

The IEI Student Chapter celebrated the World nature conservation day on 25 July 2025.



Speaker in the event

Western Zone

Birla Vishvakarma Mahavidyalaya (BVM), Vallabh Vidyanagar (Gujara)

The IEI Student Chapter of Department of Civil Engineering organized an Expert Talk on 'Strategic Development of Civil-Infrastructure Projects Using Electronics and Communication Technologies' on 16 July 2025.



Glimpses of the event

Dr. D. Y. Patil Institute of Technology, Pimpri (Maharashtra)

The IEI Student Chapter (E&TC) organized an Expert Session on Data Structure and Algorithm 30 July 2025, a Seminar on Workplace Stress Assessment, Prevention and Management on 31 July 2025, technical event on 'Career Pathways in VLSI' on 04 August 2025, Hands-on Workshop on 'Arduino Unplugged: From Basic to Projects' on 05 August 2025, Guidance Session on 'Pathways to Higher Studies: Opportunities and Guidance' on 06 August 2025, Expert Talks on 'Understanding Digital Marketing: Industry, Trends, Tools and Real-world Applications' and Multidisciplinary Project Development during 06–07 August 2025, a Multidisciplinary Project Development on 07 August 2025, Guest lecture on 'Mastering arrays and linked Lists: Core Concept and practical Applications' on 07 August 2025 and 'The Impact of AI on Social Media Dynamics & Atomic Energy' on 18 August 2025.



Glimpses of the event

News of Technical Activities from Engineering College Students' Chapter

Shah & Anchor Kutchhi Engineering College (SAKEC), Mumbai (Maharashtra)

The IEI Students' Chapter organized a Quantum Computing Lab Inauguration Ceremony on 04 July 2025 in collaboration with CybraneX Technologies and Consultancy Pvt. Ltd.



Glimpses of the event

Thakur College of Engineering and Technology, Mumbai (Maharashtra)

The IEI Students' Chapter Department of Internet of Things (IoT) organized a Technical Seminar on "Mission Agent Space – Decoding Google's Next Big Move" on 21 August 2025.



Speaker of the event

Eastern Zone

Institute of Engineering and Management (IEM), Kolkata (West Bengal)

The IEI Student Chapter, Department of Electrical Engineering organized 'IEI Installation Ceremony and Prize Distribution' on 6 August 2025, which included induction of the new committee and technical events like Posternova (Poster Presentation) and Simulcrum (Hardware Presentation) and 'IEI Discourse Duel 2025' on 6 August 2025 which is a prestigious debate competition promoting critical thinking and public speaking.



Glimpses of the event

Northern Zone

BBSB Engineering College, Sirhind (Punjab)

The IEI Students' Chapter of Department of Civil Engineering organized an Expert Lecture on a topic on 'Civil Engineering in Practice' on 19 August 2025.



Glimpses of the event

News of Technical Activities from Polytechnic College Students' Chapter

Government Polytechnic, K R Pete (Karnataka)

The IEI Students' Chapter organized a One Day Workshop on 'Development and Simulation of Robot Programming' on 29 July 2025 and a seminar on 'DevOps and its Security Principles' on 28 August 2025.



Glimpse of the event

Govt. Polytechnic College Siddapur (Karnataka)

A student Induction program was conducted from 23 June 2025 to 05 July 2025.



Glimpses of the event

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

The IEI Student Chapter organized Lectures on 'Internship and Fellowship' on 09 June 2025, 'Universal Human Values and Importance of Values' on 09 June 2025, 'Importance of Diploma in EEE Program' on 09 June 2025, 'Need for Value Education and Process of Value Education' on 09 June 2025, 'Online Skill Courses, Technical & IT Skills, Emerging Industry on Relevant Skills' on 09 June 2025, 'Opportunity for Higher Education and Employability' on 10 June 2025, 'Drug Addiction and its Ill Effects' on 10 June 2025, 'Employability Skills on I: Industry Awareness & Trends' on 10 June 2025, 'Ethical Values and Ethics in Education' on 10 June 2025, 'Employability Skills on II: Resume Building & Job Application' on 10 June 2025, 'Employability Skills on III: Interview Preparation & Technical Skill Enhancement' on 11 June 2025, 'Employability Skills on V: Soft Skills & Communication' on 11 June 2025, 'Employability Skills on V: Entrepreneurship & Innovation' on 12 June 2025, 'Employability Skills on VI: Career Counseling & Guidance' on 12 June

News of Technical Activities from Polytechnic College Students' Chapter

2025, 'College to Collaborate (Ethics & Emotional Intelligence)' on 13 June 2025, 'NononResident Tamil Welfare Program' on 13 June 2025, 'Innovation & Entrepreneurship' on 27 June 2025, 'Properties of Psychrometric' on 10 June 2025, 'Basic Skills Required for Placement' on 11 June 2025. They also conducted Seminars on "Types of Lightning Stroke on 25 June 2025, "Basic working principle of circuit breaker" on June 2025 and a Seminar Series during 19–27 June 2025 on the topics Karnaugh Map, Logic Gates, Thevenin Theorem, Norton Theorem, IGBT, DIAC, Superposition Theorem, TDMA, Power MOSFET and TRIAC. They conducted various Aptitude Tests on Aptitude Test on Technical & Quantitative Matters on 11 & 18 June 2025., 'Electronics and Communication Engineering -related Technical Questions' on 11 June 2025, Aptitude Test (III Year Students) on 16 June 2025, Project Demonstration on 'Coin Separating' on 10 April 2025 and In-plant Training (Refrigeration & Air Conditioning) during 05–31 May 2025

They arranged Lectures on Existing Underground Sewage System Survey on 11 June 2025, 'Socio-Economic Assessment for Underground Sewage Scheme at Rajapalayam' on 25 June 2025, Seminar on 'Limit State Design of RCC Beam - Methodology and Step's on 30 June 2025, Project Demonstration on 'Compressive Strength of Cement Mortar Cube' on 26 June 2025, Group Discussion on 'Predicting Rockwell Hardness Number Using a Hardness Testing Machine' on 23 June 2025, Technical Visit to Rain Gauge Station on 30 June 2025. They conducted an In-plant Training (III Year Students) during 05–31 May 2025, Socio-Economic Survey & Underground Sewage System Study (with Ramco Community Services) from 12 June to 23 July 2025 and a Project Demonstration at the Civil Engineering Laboratory on 26 June 2025

They also organized an In-plant Training on 19–31 May 2025 and Workshop on Entrepreneurship & Innovation on 26 June 2025.



Glimpses of the event



Call for papers for IEI Students' Journal

Members of the Students' Chapters of The Institution of Engineers (India) are cordially invited to submit full-length articles along with the report of plagiarism for the forthcoming Students' Journal (e-version) in the following approved themes:

Quantum Computing with Artificial Intelligence

The articles preferably restricting to 3000 words along with good quality of photographs should be submitted in MS Word format (Times New Roman, Font size - 12 and single column) and duly filled in Declaration Form to studentchapter@ieindia.org within **15 November 2025**.

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 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.

