

IEI

Newsletter

Students' Chapters

August
2024

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Prof (Dr) Chandrashekara S N, FIE
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Engineers play a pivotal role in a nation's development and human welfare. Presently immense importance is being given on Sustainable Development that plays a crucial role in balancing the developments in the field of engineering with stability of the environment. The four factors human resources, natural resources, capital formation, and technology needs to complement each other in order to get a stable environment. Sustainability focuses on conservation of the ecosystem or the environment, conservation of biodiversity of the planet, sustainable development of the society, conservation of human resources and population control and management. To raise the awareness in the field of sustainable development, UNESCO's General Conference proclaimed the World Engineering Day for Sustainable Development.

Sustainable engineering is a way of developing our requirements without harming the environment and depleting natural resources. It focuses on using renewable energy sources and minimizing waste, pollution and developing nearly permanent and efficient systems. The main features of sustainable development are to improve the quality of human life, minimize the depletion of natural resources, respect and care for all the life forms, control pollution levels and enabling the future generation to meet their own demands. Sustainable engineering impacts every single aspect of human daily life. It includes food production and preservation, housing and shelter, waste disposal and management, pollution reduction, water supplies, energy development and consumption transportation, restoring natural resource environments and improvements in industrial processes. To address this concern seventeen Sustainable Development Goals (SDGs) were adopted in 2015 in five critical areas of importance viz. people, planet, prosperity, peace, and partnership.

The Students' Chapters of the Institution organizes seminars and workshops on various modern, upcoming and innovative technologies. Therefore, I on behalf of AISC request all Students' Chapters to organize the technical activities on the role of Engineers in Sustainable Development.

News of Technical Activities from Engineering College Students' Chapter

Southern Zone

Arunachala College of Engineering for Women, Kanyakumari (Tamil Nadu)

The IEI Students' Chapter organized a Skill Development programme on 01 August 2024.



Glimpse of the event

The IEI Students' Chapter organized a Seminar on 'Recent Trends in Emerging Technologies' on 05 August 2024 and a Seminar on Emerging Technologies on 19 August 2024.

BVRIT HYDERABAD College of Engineering for Women, Hyderabad (Telangana)

The IEI Students' Chapter organized an Industrial Visit to Mahindra and Mahindra Automobile Company, Zaheerabad on 10 July 2024.



View of the participants during Industrial Visit

Carmel College of Engineering and Technology, Alappuzha (Kerala)

The IEI Students' Chapter, Department of Mechanical Engineering as part of "National Space Day 2024" conducted a "Robotic Arm Workshop -Lunar Sample Collection" on 14 August 2024.



Glimpse of the event

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

The IEI Students Chapter of Department of Computer Science and Engineering was inaugurated on 30 July 2024.



Inauguration of the Chapter

The IEI Students' Chapter, Department of Electronics and Communication Engineering organized a Poster Design Competition on the theme 'TECHNOLOGY 2030: The Future India' on 31 July 2024 and 'Orientation on PCB Design' on 22 August 2024.



Glimpses of the event

Narasaraopeta Engineering College (Autonomous), Guntur (Andhra Pradesh)

The IEI Students' Chapter, Department of Mechanical Engineering organized a design completion on "CAD MASTER on 09 August 2024.



Glimpse of the event

News of Technical Activities from Engineering College Students' Chapter

Matrusri Engineering College, Hyderabad (Telangana)

The IEI Students' Chapter organized a two-day workshop on "Web Application Development Using Python (Django and Flask)" during 26 -27 July 2024.



View of the speaker addressing the participants

Pragati Engineering College, Surampalem (Andhra Pradesh)

The IEI Students' Chapter, Department of Electrical and Electronics Engineering organized an activity 'Expo on Electrical Machines' on 09 August 2024.



Glimpse of the event

Rajalakshmi Engineering College, Thandalam (Tamil Nadu)

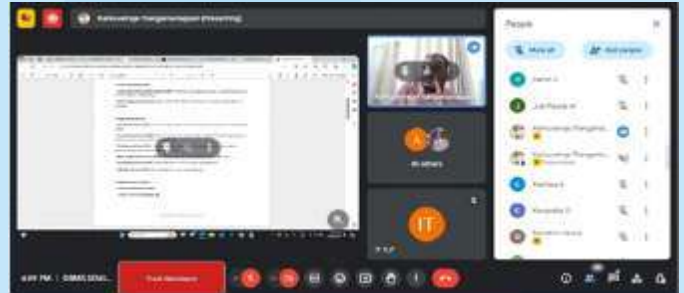
The IEI Students' Chapter, Department of Mechanical Engineering had organized Initiation Day and Invited Talk on 'Multi-Facets Lubrication Tribology: Emphasizing Industrial Applications' on 26 July 2024 and a one day workshop on 'Composite Materials' on 17 August 2024.



Glimpse of the event

Ramco Institute of Technology, Rajapalayam (Tamil Nadu)

The IEI Students' Chapter, Department of Information Technology organized a Guest Lecture on the topic "Database Normalization in Real Time Application" in online mode on 29 June 2024.



Screenshot of the student participation

The IEI Students' Chapter, Department of Electrical and Electronics Engineering, conducted a Short Term Training Programme on "Fundamentals of Electrical and Electronics" on 10, 15 and 16 July 2024.



Glimpse of the event

The IEI Students' Chapter Department of Computer Science and Engineering successfully hosted an event titled "Hint Hunt" on August 12, 2024 and an Aptitude Test on 17 August 2024 and 'Bioscope' on 19 August 2024.



Glimpse of the event

News of Technical Activities from Engineering College Students' Chapter

The IEI Students' Chapter conducted Group Discussion on 19 August 2024 on the topics 'The Impact of Social Media on Youth', 'Pros and Cons of Online Learning', 'The Impact of Global Pandemics on Society', 'The Impact of Climate Change and What We Can Do to Combat It' and 'Is Technology Making Us More Isolated'.



Participants of the event

The IEI Students' Chapter Department of Computer Science and Engineering organized a guest lecture titled "Campus to Corporate - How HRM Facilitates the Transition" on 22 August 2024.



Participants attending the guest lecture

Roever Engineering College, Perambalur (Tamilnadu)

The IEI Students' Chapter, Department of Mechanical Engineering organized a Workshop on "Surface Modeling in CATIA" on 19 August 2024.



Glimpse of the event

Saintgits College of Engineering, Kottayam (Kerala)

The Students' Chapter, Department of Mechanical Engineering organized an Expert

Talk on "Bridging the gap between Academy & Industry" on 09 August 2024.

The Students' Chapter, Department of Electrical and Electronics Engineering organized an Aptitude test based on software coding on 16 August 2024.



Glimpses of the events

Sethu Institute of Technology, Madurai (Tamil Nadu)

The IEI Students' Chapter, Department of Mechanical Engineering organized a Seminar on "Overall Car Design And Development" on 08 July 2024.



Speaker delivering lecture

Srinivasa Ramanujan Institute of Technology (Autonomous) Anantapur (Andhra Pradesh)

The Students' Chapter, Department of Electrical and Electronics Engineering organized a Workshop on "Linkercad and Battery Management Essentials" during 08 - 09 August 2024.



Glimpse of the event

News of Technical Activities from Engineering College Students' Chapter

Swarnandhra College of Engineering and Technology, Seetharampuram (Andhra Pradesh)

The IEI Students' Chapter, Department of Civil Engineering had organized a Guest Lecture on "Public Perception about Electric Vehicles in India" on 05 July 2024.



Glimpse of the event



Speaker delivering lecture on the topic

Techno India University, Kolkata (West Bengal)

The IEI Students' Chapter organized a Plant Visit to 30 MGD Water Treatment Plant at Jai Hind Jol Prokolpo, Science City Dhapa, Kolkata on 14 August 2024



Glimpses of the Plant Visit

TKM Institute of Technology, Kollam (Kerala)

The IEI Students' Chapter, Department of Computer Science and Engineering organized a Seminar on "Launching Your Career from Campus to Corporate" on 23 July 2024.



View of the speaker addressing the participants

Western Zone

AISSMS College of Engineering, Pune (Maharashtra)

The IEI Students' Chapter Department of Electronics & Telecommunication Engineering organized an Expert Talk on "Improving Analytical Skills" on 22 July 2024.



Glimpse of the event

Eastern Zone

St. Thomas' College of Engineering & Technology, Kolkata (West Bengal)

The IEI Students' Chapter, Department of Information Technology, had arranged a Workshop on "Intellectual Property Rights and Intellectual Property Management for Start-Ups" on 29 April, 2024.

News of Technical Activities from Engineering College Students' Chapter

Birla Vishvakarma Mahavidyalaya, Anand (Gujarat)

The IEI Students' Chapter, Department of Civil Engineering organized an expert talk on the topic "From Idea to Completion: A Step-By-Step Guide to Project Work" on 13 July 2024.



View of participants in Expert Talk

The IEI Students' Chapter, Department of Civil Engineering also organized a Hands-on Training on "Geometric Highway Design Using Autodesk Civil 3D" during 18 - 20 July 2024.



Glimpses of the event

The IEI Students' Chapter, Department of Civil Engineering also organized an event on "Engineering Experimental Analysis using Minitab" on 24 July 2024.



Participants in the event

Don Bosco College of Engineering, Fatorda (Goa)

The IEI Students' Chapter of Department of Mechanical Engineering organized a Short Term Training Program on 'Six Sigma for Improved Quality Management' during 13- 17 May 2024.



View of the speaker during the event

Fr. C. Rodrigues Institute of Technology, Navi Mumbai (Maharashtra)

The IEI Students' Chapter, Department of Electrical Engineering organized a Workshop on "Arduino" on 12 August 2024.



Participants of the event

The IEI Students' Chapter Department of Electrical Engineering organized a Mini Project Competition and Yoga Workshop on 17 August 2024.



Glimpses of the event

G H Rasoni Institute of Engineering, Nagpur (Maharashtra)

The IEI Students' Chapter, Department of Electrical Engineering & Mechanical Engineering organized five days Skill Training Programme on "Thermal Power Plant Familiarization" from 02 July to 06 July 2024.

News of Technical Activities from Engineering College Students' Chapter



Glimpses of the event

The Chapter also organised a Guest Lecture on "Interview Skills & Resume Building" on 09 July 2024 and an Industrial Visit to Koradi Thermal Power Station on 19 July 2024.



Glimpse of the expert talk

They arranged a Site Visit on "Design of Reinforced Concrete Structure" on 20 July 2024.



Glimpses of Lecture Delivered



Site Visit

They organized a Expert Lecture on "Career opportunities after Civil Engineering" on 09 August 2024.



View of participants during Industrial Visit



Glimpse of the event

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

The IEI Students' Chapter Department of Civil Engineering organized an Expert Lecture on "Interview Technique for Technical and HR round" on 26 July 2024.

The Chapter also organized a Expert Lecture on "Architectural Planning of Residential Building" on 10 August 2024.



Glimpses of the event

They also conducted a Technical Expert talk on "Construction of Bituminous Pavement" on 23 July 2024.



Glimpse of the event

PVG's College of Engineering and Technology, Pune (Maharashtra)

The IEI Students' Chapter Department of Mechanical Engineering organized a seminar

News of Technical Activities from Engineering College Students' Chapter

on the topic "PLC , Automation & Robotics" on 12 August 2024.



Glimpse of the event

Thakur College of Engineering and Technology, Mumbai (Maharashtra)

The IEI Students' Chapter organized a Webinar on "Opensource and LinkedIn" on 20 July 2024.



Screenshot of the event

The IEI Students' Chapter organized Technical Debate on 26 July 2024 on topics Artificial Intelligence (AI), Are Electric Cars Better than Normal Cars and Effect of IoT in Life.



Glimpse of the event

The IEI Students' Chapter also organized a Digital Poster and Model Making Competition to celebrate the success of the Chandrayaan-3 Mission and commemorate National Space Day on the theme "Touching Lives while Touching the Moon: India's Space Saga" on 23 August 2024.



Faculties and guest discussing the event

The IEI Students' Chapter organized Smart India Hackathon on 23 August 2024.

Zeal College of Engineering and Research, Pune (Maharashtra)

The IEI Students' Chapter, Department of Electrical Engineering organized a Seminar on topic "Industrial Automation, Technology and Opportunities" on 26 August 2024.



Glimpse of the event

North Zone

Institute of Engineering and Technology, Lucknow (Uttar Pradesh)

The IEI Students' Chapter, Department of Electrical Engineering, organized a one-day Aptitude Test Competition and Group Discussion event on 20 July 2024.



Glimpse of the Group Discussion

News of Technical Activities from Polytechnic College Students' Chapter

Thanthai Periyar E.V. Ramasamy Government Polytechnic College, Vellore (Tamil Nadu)

The IEI Students' Chapter of Thanthai Periyar E.V. Ramasamy Government Polytechnic College organized Inaugural function on 21 August 2024.



Glimpse of the event

ANNOUNCEMENT

Scholarship for Members of Students' Chapters

Members of the IEI Students' Chapters are invited for Scholarships by The Institution of Engineers (India).

Eligibility Criteria

- Possesses good conduct;
- Regular full-time student of an engineering college / a polytechnic;
- Have passed all subjects of the qualifying examination with an aggregate of minimum 60% marks throughout (that is in Class X/Class XII/equivalent/all semester of engineering college/polytechnic)
- Not availing scholarship or any other financial assistance from any other sources;

The scholarships for each year of study is decided based on Merit based or Merit-cum-Means according to the number to scholarships in each category.

The application form alongwith the enclosures can also be downloaded from IEI website:

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

The applications (duly filled in and signed by student/s, after endorsing the same by the Head of the Institution) must reach us latest by **15 November 2024**.

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 membership@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 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: memb_disc@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 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.

