

# IEI

## Newsletter Students' Chapters

April  
2023

# Inside

Chairman's Message	2
Second Regional Conclave of Students' Chapter	3
Second Regional Conclave of Students' Chapter	4
News of Technical Activities from Engineering College Students' Chapter	5
News of Technical Activities from Polytechnic College Students' Chapter	17
Report of Technical Activities by Students' Chapter	19
Membership for BE/B Tech Students: Student Membership (SMIE)	19
Online Submission of Corporate Membership	19
Steps to establish IEI Students' Chapters in Engineering Colleges/Polytechnics	20
Privileges of Student Members attached to Students' Chapters of Engineering College/Polytechnic	21

### ALL INDIA STUDENTS' COMMITTEE (AISC) Session 2022-23

Er B Brahma Reddy, *Chairman*

#### Members

Er Bhupendra Nath Singh  
Dr G Madhu  
Er Mahavir Bhavarilal Chopda  
Er S K Banerji  
Dr S M Goel  
Prof (Dr) T Senthil Vadivel  
Dr Bhawesh Kumar Thakur  
Dr M Venkateswara Kishore  
Mr Nitin Pandurang Mawale  
Dr D B Karanjule  
Er R Karthikeyan

#### EX-Officio Member

Secretary & Director General, IEI

#### Editor

Maj Gen MJS Syali, VSM (Retd)

#### Technical Editor

Dr Surojit Ghosh

#### Assistant Technical Editor

Dr 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](mailto:studentchapter@ieindia.org)  
web : [www.ieindia.org](http://www.ieindia.org)





**Mr B Brahma Reddy, FIE**

Chairman,  
All India Students' Committee (AISC)

There was a time when phones were not as smart, computers were bulkier, internet speeds were slower, and social media was just getting started. We have witnessed and experienced an astounding pace of change over the last two decades. How we work? How we learn? How we live? How we connect? How we consume information? There isn't one aspect of our lives — individually or professionally — that technology hasn't transformed over this time period.

From a surge in internet usage to the iPhone sparking the smart phone revolution to UPI changing how we transact to breakthroughs in healthcare, retail, media, manufacturing and entertainment to the recent generative AI buzzword. Technology is everywhere, and almost every sector is in some stage of its digital transformation journey. Technology has had a significant impact on the workforce, and it has transformed the way we work and the jobs we do. How? It has changed the nature of work itself, creating new avenues for people to work from anywhere in the world, and enabling companies to tap into a global pool of talent. At the same time, technology has also created new jobs that require skills that didn't exist before, and these jobs are often high-paying and in demand, and require specialised skills that not everyone possesses.

A majority of the fastest-growing roles today are technology-related roles, with AI and Machine Learning Specialists leading the list of jobs. The story of the Indian technology world goes from Y2K to the BPO wave to the shift from mainframes to client-server and web-based computing right up to cloud and Generative AI — a lot has changed for the industry, but the workforce has coped well during this period and believes that AI is set to democratise IT even more, and the engineer vs non-engineer divide will begin to vanish.

There is surging demand for professionals with emerging technologies such as Artificial Intelligence, the Internet of Things (IoT), 5G, Edge Data Centers and Quantum Computing, new cyber security threats will emerge and would create a need for highly skilled professionals to address the issues. Recruiters are on the hunt for blue and grey-collar workers with expertise in analytical and digital skills such as machine learning, robotics, 3D printing, and artificial intelligence. What are the top skills IT and telecom industry professionals in India are looking to acquire to adapt to the changing market? AI skills are on top of mind, followed by creativity, adaptability, tech skills and critical thinking.

As you are a young professional looking to thrive in the tech industry over the next 20 years, it is vital to become tech conversant. Technology is increasingly becoming an integral part of our lives, and being able to work effectively with it will be a game-changer in any industry. I would like to conclude that as the world becomes increasingly digital, security has emerged as a critical concern. The most impactful tech transformation in cyber security over the last 20 years has been the rise of cloud computing and its associated technologies.

I, on behalf of the Committee, would like to highlight that Students' Chapters of IEI conduct good number of technical events on breaking and State-of-Art Technologies Pan India. I am delighted to inform you that the Students' Chapters of Assam Kaziranga University, Chandigarh University, Swami Keshavanand Institute of Technology, Jaipur and Sri Manakula Vinayagar Engineering College, Puducherry have successfully organized Regional Conclaves for FY 2022-23 on various contemporary topics such as 'Modern Construction Technologies in India', 'Engineering Investments for our Planet', 'Futuristic Opportunities in Digital Transformation' and Technologies for the Sustainable Development of Rural India'. When the global industries are looking at India as their preferred destination to shift their manufacturing units, I request members of all the Student Chapters to organize technical activities on the emerging technology trends for the benefit of budding engineers.

### 'Technologies for the Sustainable Development of Rural India'

Second Regional Conclave on *"Technologies for the Sustainable development of Rural India"* is successfully organized by the Students' Chapter of Sri Manakula Vinayagar Engineering College, Puducherry on 01 April 2023 in association with Puducherry State Centre. The Chief Guest of this event were Er. B.Brahma Reddy, FIE, Chairman, All India Students' Committee and Mr M. Lakshminarayanan, Hon'ble Minister for Public Works, Puducherry.



More than 500 students from various institutes participated in this event. The Presidential address was given by Mr M. Dhanasekaran, Chancellor, Takshashila University and Chairman and Managing Director, SMVET. The various technical events include Paper Presentation, Project Expo, Robofest, Bugbot (Coding Contest) and Panel Discussion.



Glimpses of the Technical Session

This was followed by. The prize distribution ceremony was held during the Valedictory Session. Dr. S. Thirougnaname, FIE, Honorary Secretary, IEI, Puducherry State Centre gave the vote of thanks.

### 'Futuristic Opportunities in Digital Transformation'

Second Regional Conclave on ***"Futuristic Opportunities in Digital Transformation"*** is organized by the Students' Chapter of Swami Keshvanand Institute of Technology Management & Gramothan, Jaipur during 14-15 March 2023 in association with Rajasthan State Centre. The Conclave was conducted with the aim to gain knowledge to select appropriate digital transformation technique in future development, discuss key impact factors and trends affecting our personal and global existence and recognize key futurists and future organizations. Prof. Rahul Banerjee, Director, The LNM Institute of Information Technology was the Chief Guest. Er B Brahma Reddy, Chairman, AISC, IEI jointly with Er Sanjay Kumar, Chief General Manager BSNL, Rajasthan were the Guest of Honor. Er Durga Prasad Parihar, Advisor (Telecom) Retired, Er Surendra Rai, Deputy Director General, Department of Telecommunications, Rajasthan and Prof Manish Tiwari, Manipal University were the eminent speakers. Er Kishore Bhagtani GM(CM), BSNL, Rajasthan enriched all the participants on 'Evolution of Mobile Communications-Future Ahead'. A lecture was also delivered by Dr. Satyasai Jagannath Nanda, MNIT Jaipur revealing the latest overview on the technology 'ChatGPT'. An expert lecture was delivered by Prof Manish Tiwari, Manipal University on 'Photonic Crystal Fibers'.



Felicitation of the Chief Guest

Project and Model Exhibition, Poster Presentation and Project Idea and Paper Presentation were organized during the technical session. The program ended with panel discussion by dignitaries and prize distribution followed by vote of thanks.



# Reports from Engineering College Students' Chapter

## L D College of Engineering (Gujarat)

The IEI Students' Chapter, Electrical Engineering Department of L D College of Engineering organized an Industrial Visit to Adani Mudra Port & Power Plant during 22-23 February 2023 and 14-15 March 2023.



The view of power plant and the participants

They also organized online Expert Lectures on "Recent Trends in Industrial Switchgear" during 24 March 2023 and on "Current and Future Research in Power Electronics & Opportunities for Joining the Research Group at I.I.T Bombay" on 20 April 2023.

Expert lecture on "Recent trends in industrial switchgear"

UNDER THE AUSPICES OF IEI STUDENT'S CHAPTER, DEPARTMENT OF ELECTRICAL ENGINEERING, L.D.C.E. AHMEDABAD

Expert:  Mrs. Hema N. Doctor

Date: 24/03/2023  
Time: 3-30 to 5-30 PM  
Venue: Online session  
Online link: <https://meet.google.com/wam-evvt-bbt>

Patron: Prof. (Dr.) R.K. Gajjar, Principal, LDCE.  
Mentor: Prof. (Dr.) K.P. Badgajar, H.O.D., E.E.D., LDCE.  
Faculty Coordinators: Prof. H.N. Raval and Dr. K. A. Bhatt

Expert lecture on "Current and Future Research in Power Electronics & Opportunities for Joining the Research Group at I.I.T. Bombay"

UNDER THE AUSPICES OF IEI STUDENT'S CHAPTER, DEPARTMENT OF ELECTRICAL ENGINEERING, L.D.C.E. AHMEDABAD

Expert:  Prof. (Dr.) Sudreep Anand, Associate Professor, IIT Bombay

Date: 20/04/2023  
Time: 3-30 to 5-30 PM  
Venue: Face-to-Face mode  
Location: Chhatrapati Shivaji Maharaj, E.E.D., LDCE

Patron: Prof. (Dr.) R.K. Gajjar, Principal, LDCE.  
Mentor: Prof. (Dr.) K.P. Badgajar, H.O.D., E.E.D., LDCE.  
Faculty Coordinators: Prof. H.N. Raval and Dr. K. A. Bhatt

Flyers of the expert lectures

## Manakula Vinayagar Institute of Technology (Puducherry)

The IEI Students' Chapter, Mechanical Engineering Department of Manakula Vinayagar Institute of Technology celebrated World Engineering Day on the theme "Engineering Innovation for a More Resilient" on 20 March 2023.



View of the dias during the program

They also organized a Technical Demonstration on 6 February 2023.

The IEI Students' Chapter, Department of Instrumentation and Control Engineering of Sri Manakula Vinayagar Engineering College organized a Guest Lecture on "LPC2148 Microcontroller" on 21 February 2023. They also organized a "Project Presentation" on 24 March 2023.



View of the participant during project presentation

The IEI Students' Chapter, Department of Information Technology of the same institute organized a Guest Lecture on "Metaverse Technology" on 24 March 2023.



View of the speaker and the participants during the program

# Reports from Engineering College Students' Chapter

They also organized a Poster Presentation on "Role of Artificial Intelligence in Healthcare Systems" held on 3 January 2023, "Cyber Security Training" on 7 March 2023, "Placement Training" on 31 March 2023 and "Aptitude Training" on 27 March 2023. They organized an event "Ideathon" on 7 January 2023.



View of the participants during the poster presentation

The IEI Students' Chapter of Department of Computer Science and Business Systems conducted an orientation program on "Python and its Applications" on 6 January 2023 and a Workshop on "Automobile Trouble Shooting" organized on 20 March 2023.



Screen-shot of the event

They also organized a One Day Field Trip to Auroville Electrical Services, Puducherry on 7 January 2023.



Participants during the field trip

The IEI Students' Chapter of Mechatronics Department of the Institute organized a workshop on "Laser Cutting" on 6 February 2023 and on "Electronic Devices Trouble Shooting" on 2 March 2023.



View of the speaker and the participants during the workshop

They organized a "Robotics Club Activity" on 11 February 2023.

The IEI Students' Chapter of Electronics and Communication Engineering Department organized "Project Expo" on 15 February 2023.

The IEI Students' Chapter of Electrical and Electronics Engineering Department of the Institute organized Industrial Visit at Starya Mobility Pvt Ltd, Bangalore on 27 January 2023.



Participants during the visit

They organized another Industrial Visit at Pentagon Switchgear, Coimbatore on 3 February 2023.



Participants during the visit

The IEI Students' Chapter of Computer and Communication Engineering Department organized two one day Seminars on "Engineering Innovation for a Sustainable World" on 4 February 2023 and on 'Biomedical Instruments' on 4 February 2023. They also conducted an "Essay Writing" on 6 March 2023.



# Reports from Engineering College Students' Chapter



The speaker during the seminar on 'Biomedical Instruments'

The Chapter also organized a visit to a Central Institute of Tool Design Extension Centre on 15 February 2023.



Participants during the trip

The IEI Students' Chapter of Department of Mechanical, Civil and Mechatronics Engineering organized "Quiz Wiz" on 7 January 2023.



Flyer of the event

## Raghu Engineering College (Andhra Pradesh)

The IEI Students' Chapter, Civil Engineering Department of Raghu Engineering College organized a Technical Fest "REIN4Z 2K23" during 20-21 March 2023.



View of the dias during the program

## Sagi Ramakrishnam Raju Engineering College (Andhra Pradesh)

The IEI Students' Chapter, Department of Mechanical Engineering of Sagi Ramakrishnam Raju Engineering College was inaugurated on 15 March 2023.



View of the participants during the inaugural program

The IEI Students' Chapter, Department of Computer Science and Design of Sagi Ramakrishnam Raju Engineering College inaugurated on 21 February 2023. They organized an Expert Talk on "Launching of Satellite Vehicles" on National Science Day on 28 February 2023.



View of the dias during the program

They organized an online Quiz Competition on 28 February 2023, a "Technical Spell Bee Contest" on 25 March 2023, a "Startup Spark" on 25 March 2023 and celebrated "International Women's Day" on 8 March 2023.



View of the dias during an event

## PSCMR College of Engineering and Technology (Andhra Pradesh)

The IEI Students' Chapter, Department of Electrical and Electronics Engineering of PSCMR College of Engineering and Technology organized 2nd National Conference on "Recent Trends in Electrical Engineering" on 17 March 2023.



# Reports from Engineering College Students' Chapter



Lighting of the lamp and the participants during the inaugural session of the event

## TKM Institute of Technology (Kerala)

The IEI Students' Chapters of Civil and Mechanical Engineering Department of TKM Institute of Technology conducted workshop on "World Water Day" on 22 March 2023.



View of the dias during the event

The IEI Students' Chapter, Civil Engineering Department of TKM Institute of Technology observed World Engineering Day on the theme "Engineering Innovation for a More Resilient World" on 3 March 2023.



View of the dias during the event

## Cusrow Wadia Institute of Technology (Maharashtra)

The IEI Students' Chapter, Electronics and Telecommunications Engineering Department of Cusrow Wadia Institute of Technology organized an Expert Lecture on "Applied Electronics-SCR Triggering and Commutation Circuits" on 16 March 2023.



View of the participants and the speaker during the event

## Ramco Institute of Technology (Tamil Nadu)

The IEI Students' Chapter, Department of Computer Science and Engineering Ramco Institute of Technology organized "Resume Building Contest" during 1-4 March 2023.



View of the participants and the speaker during the event

They also organized a one day Workshop on "Microsoft Dynamics 365 CRM and Power Platform (Power Apps)" on 11 February 2023.



View of the speaker and the participants during the program

The IEI Students' Chapter, Department of Electrical and Electronics Engineering of Ramco Institute of Technology conducted an online Guest Lecture on "Impact of Power Quality Issues in Industrial Applications" on 24 April 2023.



# Reports from Engineering College Students' Chapter



Screen-shot of the event

The IEI Students' Chapter, Department of Electronics and Communication Engineering of Ramco Institute of Technology organized a Guest Lecture on "Project Based Learning: Learn through Innovation" on 21 April 2023.



View of the dias and the speaker during the lecture program

## Shri Sant Gajanan Maharaj College of Engineering (Maharashtra)

The IEI Students' Chapter, Department of Electrical Engineering of Shri Sant Gajanan Maharaj College of Engineering organized an Expert Talk on "Guidance Session for Torrent Power Placement Drive" on 19 February 2023.



Flyer of the event

They also organized Two Days Workshop on "Power Distribution, Automation and SCADA System" during 21-22 February 2023.



View of the speaker during the event

## P. A. College of Engineering (Karnataka)

The IEI Students' Chapter, Department of Environment Engineering, P A College of Engineering observed World Water Day – 2023 by conducting an invited talk on "Save Water-Be The Change You Want to See" on 23 March 2023.



View of the dias during the program

## Dayananda Sagar College of Engineering (Karnataka)

The IEI Students' Chapter, Department of Electrical and Electronics Engineering of Dayananda Sagar College of Engineering organized a "Technical Fest" on 17 March 2023.



Participants of the technical fest

## Nirma University (Gujarat)

The IEI Students' Chapter, Department of Civil Engineering, Nirma University organized a half day Workshop on "Pre-construction Planning of Real Estate Project" on 4 March 2023.



# Reports from \_\_\_\_\_ Engineering College Students' Chapter



Participants during the program

## **Budge Budge Institute of Technology (West Bengal)**

The IEI Students' Chapter, Civil Engineering Department of Budge Budge Institute of Technology has conducted a Plant Visit at "210 MGD Water Treatment Plant at Garden Reach" on 23 February 2023.



Participants during the program

They also conducted a Plant Visit at 'Garden Reach Wastewater Treatment Plant' on 30 March 2023.



Participants during the program

Further, they organized a workshop on "Health Monitoring of High Rise Building" on 2 March 2023.



View of lighting if the lamp and the participants during the program

## **Sathyabama Institute of Science and Technology (Tamil Nadu)**

The IEI Students' Chapter, Computer Science and Engineering Department of Sathyabama Institute of Science and Technology conducted a workshop "Graphic Design" on the topic "How to Use Computer Graphic in Real Time" during 24- 29 March 2023.



View of the participants during the workshop

## **G H Raisoni Institute of Business Management (Maharashtra)**

The IEI Students' Chapter, Department of Computer Science, Information Technology and Artificial Intelligence, and Data Science of G H Raisoni Institute of Business Management organized the "Coders-Fest-2K23 Coding Competition" on 25 January 2023 and 28 January 2023. They also organized a Seminar on promoting "Business Incubators and First Generation Entrepreneurs" on 7 February 2023.





# Reports from Engineering College Students' Chapter



Speaker and the participants during the seminar

In addition to this, they conducted a Workshop on "Design Thinking, Critical Thinking and Innovation" during 27-28 January 2023.



View of the dias during the workshop

The IEI Students' Chapter, Department of Electrical Engineering of G H Raison Institute of Engineering & Technology organized Technical Event namely "Electrica 2K23" during 28-29 March 2023.



View of the participants during the program

## M.I.E.T Engineering College (Tamil Nadu)

The IEI Students' Chapter, Mechanical Engineering Department of M.I.E.T Engineering College was inaugurated on 5 April 2023.



View of the dias and the participants during the inauguration

## Rajiv Gandhi College of Engineering and Technology (Puducherry)

The IEI Students' Chapter, Departments of Biomedical Engineering, Electrical Engineering and Mechanical Engineering of Rajiv Gandhi College of Engineering and Technology organized a "Energy Conservation Day – 2023" on 12 January 2023.



View of the dias during the event

## Sahyadri College of Engineering & Management (Karnataka)

The IEI Students' Chapter, Electronics and Communication Engineering Department of Sahyadri College of Engineering & Management organized an activity-based-learning program on "Creative Idea Ignition" on 9 February 2023.



Participants during the program



# Reports from \_\_\_\_\_ Engineering College Students' Chapter

They also organized an online lecture on "Global Science for Global Well Being" on 1 March 2023.



Screen-shot of the lecture

They also organized a bootcamp on "AI essentials Under Intel AI for Future workforce Initiatives" on 6 March 2023.



Speaker of the event

Further, the Chapter organized a Workshop on "VLSI Design and Verification" on 6 April 2023.



Glimpses of the workshop

## **Baselios Mathews II College of Engineering (Kerala)**

The IEI Students' Chapter, Mechanical Engineering Department of Baselios Mathews II College of Engineering observed "World Engineering Day 2023" on 6 March 2023.



View of the dias during the event

## **Pace Institute of Technology and Sciences (Andhra Pradesh)**

The IEI Students' Chapter, Civil Engineering Department of Pace Institute of Technology and Sciences conducted 'Surveying Day Celebration' on 10 April 2023.



Participants during the event

## **Jain College of Engineering (Karnataka)**

The IEI Students' Chapter, Electrical & Electronics Engineering Department of Jain College of Engineering organized "Blood Donation Camp" on 28 March 2023.



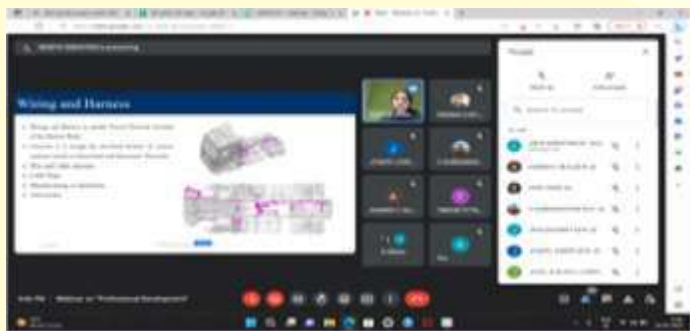
View of the dias



# Reports from Engineering College Students' Chapter

## Saintgits College of Engineering

The IEI Students' Chapter, Department of Electrical and Electronics Engineering of Saintgits College of Engineering organized a Webinar on "Professional Development" on 24 March 2023.



Screen-shot of the event

## National Institute of Technology, Silchar (Assam)

The IEI Students' Chapter, Electrical Engineering Department of National Institute of Technology organized a Workshop on "Basic Hands-On Arduino" during 3-4 April 2023.

## Paavai Engineering College(Autonomous) (Tamil Nadu)

The IEI Students' Chapter, Chemical Engineering Department of Paavai Engineering College conducted a Webinar on "Size Reduction and Separation Techniques Applied in Industrial Process" on 6 March 2023.



Screen-shot of the event

The IEI Students' Chapter, Civil Engineering Department of Paavai Engineering College organized Webinar on "Civil Engineering in Field Practice" on 14 March 2023.



Screen-shot of the event

The IEI Students' Chapter, Computer Science and Engineering Department of Paavai Engineering College organized a Guest Lecture on "Python for Data Science, AI and ML Development" on 18 March 2023.



View of the speaker during the lecture

The IEI Students' Chapter, Cyber Security Department of Paavai Engineering College organized two days National Level Seminar on "How to Plan for Startup and Legal & Ethical Steps" during 23-24 March 2023.



Flyer of the seminar



# Reports from Engineering College Students' Chapter

The IEI Students' Chapter, Electronics and Communication Engineering Department, Fine arts club of Paavai Engineering College organized an event "Melody Speak" on 29 October 2022.



Flyer of the event

The IEI Students' Chapter, Information Technology Department of Paavai Engineering College organized one day Guest Lecture on "Emerging Trends in IT" on 17 March 2023.



View of the dias during the lecture

## B.V.M Engineering College (Gujarat)

The IEI Students' Chapter, Civil Engineering Department of B.V.M. Engineering College arranges a Technical Tour to WALMI at Walmi Anand on 18 March 2023.



View of the participants during the technical tour

They also organized Seminars on "Structural Analysis" on 28 January, 25 February and 3 March 2023 and "Virtual Design & Building Information Medelling (BIM)" on 25 March 2023.



Speaker and the participants during the seminar

The IEI Students' Chapter conducted an Expert Talk on "Be the Change: Conserve Rain Water" to celebrate 'World Water Day' on 21 March 2023.



Glimpses of the event

## QIS College of Engineering and Technology (Andhra Pradesh)

The IEI Students' Chapter, Electrical and Electronics Engineering Department of QIS College of Engineering and Technology organized a two days Workshop on "Designing on Solar PV Systems" during 10-11 April 2023.



Participants during the workshop



# Reports from Engineering College Students' Chapter

## **B N M Institute of Technology(Karnataka)**

The IEI Students' Chapter, Electronics and Communication Engineering Department of B N M Institute of Technology organized a Workshop on "Research Proposals, Process Design and Development" on 18 April 2023.



View of the speaker and the participants during the event

## **Nandha College of Technology (Tamil Nadu)**

The IEI Students' Chapter, Department of Information Technology of Nandha College of Technology organized a Seminar on "Theory of Computation" on 24 April 2023.



View of the speaker and the participants during the event

## **Vishnu Institute of Technology (Andhra Pradesh)**

The IEI Students' Chapter, Department of Electrical & Electronics Engineering of Vishnu Institute of Technology organized an industrial visit at Dr Narla Tatarao Thermal Power Plant (APGENCO) during 20-21 April 2023.



Participants during the event

## **M.A.M College of Engineering and Technology (Tamil Nadu)**

The IEI Students' Chapter, Electrical and Electronics Engineering Department of M.A.M College of Engineering and Technology organized an event "Technical Connection" on 16 March 2023.



Prize distribution ceremony of the event

They also conducted a Technical Quiz on 30 March 2023, a "Project Expo" on 4 April 2023, a program on "Circuit Debugging" on 1 April 2023, a "Technical Hunt" on 3 April 2023, a "Paper Presentation" on 4 April 2023. They also organised a symposium "Symposium Electrolitz-2K23" on 17 March 2023.



Lighting of the lamp and view of the dias during the symposium

## **Techno International (West Bengal)**

The IEI Students' Chapter, Electrical Engineering Department of Techno International organized the following two Workshops on the themes 'Application of IOT in the Emerging Field of Electrical Engineering' and 'Application of AI/ML in the Emerging Field of Electrical Engineering' during 10-13 April 2023.

# Reports from \_\_\_\_\_ Engineering College Students' Chapter



Glimpses of the event

## Pragati Engineering College (Maharashtra)

The IEI Students' Chapter, Mechanical Engineering Department of Pragati Engineering College Organized an Online Session on "IP Challenges in Academic Research" on the World Intellectual Day on 26 April 2023.



Glimpses of the event

## P. R. Pote College of Engineering & Management (Maharashtra)

The IEI Students' Chapter of P R Pote (Patil) Education & Welfare Trusts Group of Institutions College of Engineering & Management organized a one day 'Project Exhibition' on 8 April 2023.



Screen-shot of the event





# Reports from Polytechnic College Students' Chapter

## Sanjivani KBP Polytechnic (Maharashtra)

The IEI Students' Chapter of Sanjivani KBP Polytechnic was inaugurated on 21 March 2023.



View of the dias during the inaugural session

## SGM Rural Polytechnic (Maharashtra)

The IEI Students' Chapter of SGM Rural Polytechnic organized a "Technical Paper Presentation" and a National Level Competition "Anuttara" on 1 April 2023.



View of the dias during the event

## P A C Ramasamy Raja Polytechnic College (Tamil Nadu)

The IEI Students' Chapter of P A C Ramasamy Raja Polytechnic College organized a Guest Lectures on (i) "Innovative Ideas in Industrial Automation" was conducted on 11 March 2023, (ii) "Statistics and Standards and Number of

Employees with their Work Procedure" on 5 February 2023, (iii) "Testing of Cement Concrete" on 17 March 2023, (iv) "Construction Chemicals" on 20 March 2023, (v) "Industrial Safety Management" on 30 January 2023, (vi) "Design of Chiller Plant" on 21 February 2023, (vii) "Innovation Techniques used in Air Conditioning System" on 23 February 2023 and (viii) 'Basics of Air Conditioning System' on 23 February 2023.



The speaker and the participants during the guest lecture 'Innovative Ideas in Industrial Automation'



The speaker during the guest lecture "Design of Chiller Plant"



# Reports from Polytechnic College Students' Chapter



The speaker and the participants during the guest lecture 'Testing of Cement Concrete'



The speaker and the participants during Training Programmes on "Spectrogram Analysis"

They also organized Paper Presentations on (i) "Renewable Sources of Energy" on 7 March 2023, (ii) 'Electronics and Communication Engineering' on 26 January 2023, (iii) "Technical Textiles" on 24 February 2023, and (iv) "Innovative Textile Products in Various Sector" on 23 February 2023.

The Chapter also conducted a 'Technical Symposium' on 30 January 2023, a National Level Technical Symposium "AURA – 2K23" on 17 March 2023 and on "PACR TECHFEST 2023" on 24 February 2023.



The speaker and the participants during the guest lecture 'Basics of Air Conditioning System'

They also organized Training Programmes on "Fibre Testing Instruments" on 28 January 2023 and "Spectrogram Analysis" on 18 March 2023.



The speaker and the participants during Training Programmes on "Fibre Testing Instruments"



View of the dias during 'PACR TECHFEST 2023'

A Pre-Placement Training Program was conducted on 24 January 2023.



## **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](mailto: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 Students: Student Membership (SMIE)**

Council of the Institution approved a new grade of membership, namely, Student Member (SMIE) - for undergraduate students pursuing undergraduation (AICTE approved) or equivalent qualification and will be valid for six years w.e.f. the date of enrolment. For further details, please visit: [www.ieindia.org](http://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 Pandemic situation, the Institution is trying to serve its esteemed members/prospective members. Your kind cooperation is solicited. You are requested to submit your membership application 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, please contact: [membership@ieindia.org](mailto: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](http://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 Headquarters of The Institution of Engineers (India) alongwith the payment.

For details e-mail to [studentchapter@ieindia.org](mailto: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](http://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](http://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.

