

For Guidelines for Submission of Papers scan the QR Code

[https://www.ieindia.org/webui/IEI-Activities.aspx#Call\\_Papers](https://www.ieindia.org/webui/IEI-Activities.aspx#Call_Papers)



### Registration

|                           |           |                            |           |
|---------------------------|-----------|----------------------------|-----------|
| Corporate Member of IEI   | : Rs. 400 | Industry Person/Non Member | : Rs. 500 |
| Member of Supporting Org. | : Rs. 500 | Research Scholar/Students  | : Rs. 500 |

Registration fee includes Tea & Lunch during Seminar and a copy of the Annual Technical Journal / Technical Proceeding.

Bank Name: **Bank of Maharashtra** A/C No: **20076200741**

A/c Name: **The Institution of Engineers (India)**

IFSC code: **MAHB0000043**

Cheque/DD drawn in the favour of

**The Institution of Engineers (India)**, payable at Pune

**Scan to Pay**



### National Advisory Committee

|              |                                                                         |  |                                |
|--------------|-------------------------------------------------------------------------|--|--------------------------------|
| Chairman:    | Mr. V B Singh, President, IEI                                           |  |                                |
| Co-Chairman: | Er. Satya Prakash, FIE, Interdisciplinary Coordination Committee (ICC)  |  |                                |
| Convener:    | Prof. A. N. Gedam, MIE, Member, Pune Local Centre Mob. : +91 9766149125 |  |                                |
| Co-Convener: | Prof. Er. Ar. D G Patil, FIE, Member, MSC, PLC Mob. : +91 8999792706    |  |                                |
| Members:     | Mr. K. K. Gopalakrishnan Nair, FIE, Vice President, IEI                 |  |                                |
|              | Prof. (Dr) Girish Shrikisan Mundada, FIE, Vice President, IEI           |  |                                |
|              | Prof. (Dr) Shilpa Tripathy, FIE, Chairman, CATE, IEI                    |  |                                |
|              | Dr Alok Nath De, FIE                                                    |  | Dr I Satyanarayana Raju, FIE   |
|              | Dr Dharmendra Kumar Jain, FIE                                           |  | Prof (Dr) Nemichandrapa M, FIE |
|              | Prof (Dr) Brahma Raju K, FIE                                            |  | Dr S Thirugnananname, FIE      |
|              | Dr. Uttam Awari, Hon Secretary, Pune Local Centre                       |  |                                |

### Organizing Committee

|                              |                                                    |  |  |
|------------------------------|----------------------------------------------------|--|--|
| <b>Chairman:</b>             | Er. Vasant Pandarkar, Chairman, Pune Local Centre  |  |  |
| <b>Organizing Secretary:</b> | Dr. Uttam Awari, Hon. Secretary, Pune Local Centre |  |  |
| <b>Members:</b>              | Dr. G.S. Mundada, Vice President IEI               |  |  |
|                              | Er. A W Jawanjali, Chairman MSC                    |  |  |
|                              | Dr. Dattatraya S Bormane, Member MSC               |  |  |
|                              | Dr. Sanjay B. Zope, Imm Past Chairman              |  |  |
|                              | Dr. Aishwarya A Apte, Member MSC                   |  |  |
|                              | Er. Rajendrakumar V Saraf, Member PLC              |  |  |
|                              | Dr. M Y Naniwadekar, Member PLC                    |  |  |
|                              | Prof. A. N. Gedam, Member, PLC                     |  |  |
|                              | Er. Harshwardhan Devkate, Member PLC               |  |  |
|                              | Er. Sagar S Kolekar, Member PLC                    |  |  |
|                              | Er. Nitin P Mawale, Member PLC                     |  |  |
|                              | Er. Achyut D Khare, Member PLC                     |  |  |
|                              | Er. Manish M Kothari, Council Member               |  |  |
|                              | Er. M L Patil Hon. Secretary IEI                   |  |  |
|                              | Prof. K K Ghosh, Past Chairman                     |  |  |
|                              | Er. Vipin Munot, Imm Past Secretary                |  |  |
|                              | Er. D. G. Patil, Member MSC & PLC                  |  |  |
|                              | Er. Mukund A Toke, Member PLC                      |  |  |
|                              | Dr Shivprakash B Barve, Member PLC                 |  |  |
|                              | Er Nilesh P Desale, Member PLC                     |  |  |
|                              | Er. Gayatri N Mawale, Member PLC                   |  |  |
|                              | Er. Narendra U Bonde, Member PLC                   |  |  |
|                              | Er. Pranav P Tupe, Member PLC                      |  |  |

### Technical Committee

|                     |                                                   |  |  |
|---------------------|---------------------------------------------------|--|--|
| <b>Chairman:</b>    | Dr. Shivkumar Barve, Member PLC                   |  |  |
| <b>Convener:</b>    | Prof. A. N. Gedam, MIE, Member, Pune Local Centre |  |  |
| <b>Co-Convener:</b> | Prof. Er. Ar. D. G. Patil, FIE, Member, MSC, PLC  |  |  |
| <b>Members:</b>     | Dr. Pramod Patil, Dean, SPPU, Pune                |  |  |
|                     | Dr. Nilesh Uke, Indira COE, Pune                  |  |  |
|                     | Dr. D. G. Bhalke, DYP COE, Pune                   |  |  |
|                     | Dr. Kundlik V. Mali, MIT WPU, Pune                |  |  |
|                     | Dr. Subhash Rathod, MMIT, Pune                    |  |  |
|                     | Dr. Pranav Charkha, DYP, Pune, Ambi               |  |  |
|                     | Dr. Parikhit Mahalle, VIT, Pune                   |  |  |
|                     | Dr. Sunil Dhore, AIT, Pune                        |  |  |
|                     | Dr. Deepika A. Ajalkar, GHRCM, Pune               |  |  |
|                     | Dr. P. B. Kumbharkar Ajinkya DYP, Pune            |  |  |
|                     | Prof. Vaishali Ingale, AIT, Pune                  |  |  |
|                     | Prof. Jyoti Hange, Govt. Poly. Pune               |  |  |

### CONTACT PERSON

**Dr. Uttam Awari**, Hon Secretary  
The Institution of Engineers (India)  
Pune Local Centre  
Abhiyanta Bhavan, Shivaji Nagar, Pune-01  
Phone: 020-25533376, E-mail Id: [punelc@ieindia.org](mailto:punelc@ieindia.org)

**FIRST INFORMATION BROCHURE**

**The Institution of Engineers (India)**

**All India Seminar on**

**Emerging Trends in Engineering and Technology:  
Shaping the Future of Innovation**

**March 19-20, 2025**

**Pune Local Centre**

**Organised by**



**The Institution of Engineers (India)  
PUNE LOCAL CENTRE**



**Under The Aegis of**

**Interdisciplinary Coordination Committee, IEI  
In Association with**

**AISSMS College of Engineering & Polytechnic, Pune  
Vishwanath Karad MIT World Peace University, Pune,  
Marathwada Mitra Mandal's Institute of Technology, Pune,**

**D. Y. Patil University, Pune, Ambi  
Government Polytechnic, Pune**

**Venue : The Institution of Engineers (India)**

**Pune Local Centre**

**1332, Shivaji Nagar, J M Road,**

**Phones : 020 25533376**

**Email : [punelc@ieindia.org](mailto:punelc@ieindia.org)**

**Website : [www.ieipune.org](http://www.ieipune.org)**

## About The Institution of Engineers (India)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform for sharing professional interest. IEI has membership strength of above 2.6 lakhs. Established in 1920, with its headquarter Kolkata, IEI has served the engineering fraternity close to a century. During this period of time, IEI has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India which has been accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating through its 124 Centres located across the country and 6 overseas chapters. Besides, IEI has bilateral agreements with about 31 international bodies and membership of another 8 international bodies of the developed nations across the globe.

Being recognized as a Scientific and Research Organisation (SIRO) by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India, IEI promotes the cause of research and development by providing Grant-in-Aid support to undergraduate, post graduate students and PhD Research Scholars of Engineering Institutions and Universities.

IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Government of India and besides conducting its' own research, provides Grant-in-Aid to UG/PG/PhD students of Engineering institutes and Universities.

IEI holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The institution also awards the Professional Engineers (PE) Certification.

IEI in collaboration with Springer regularly publishes peer-reviewed international journal in five series, namely, Series A, Series B, Series C, Series D and Series E covering fifteen engineering disciplines.

## Pune Local Centre

Popularly known as PLC- was established on 29th November 1958 – first local Centre established by the Council of the IEI. The Council at its 409th meeting held on 20th November, 1958 at Shillong unanimously decided to grant Local Centre (earlier Centre was functioning as Paper Centre) to Pune. Before this period only State Centers were functioning at the capital cities of the states. Over the years Pune has justified the faith reposed by the Council and has become major, active, efficient & popular Centre of the IEI. Pune's rich heritage on historical, social, educational, political, industrial & cultural fronts gives an insight into the growth of the region and indirectly into that of Pune Local Centre. It has always remained the largest local centre of the IEI. Presently Pune Local Centre has on its roll. Corporate members 6629 and non corporate members 26740.

## About Supporting Organization

AISSMS College of Engineering & Polytechnic, Vishwanath Karad MIT World Peace University, Marathwada Mitra Mandal's Institute of Technology, D. Y. Patil University, Pune, Ambi and Government Polytechnic Pune having excellent academic, co-curricular and extracurricular activity with strong infrastructure of students chapter definitely speed up the performance to organize the all India seminar on Emerging Trends in Engineering and Technology: Shaping the Future of Innovation

## About the Theme

"Emerging Trends in Engineering and Technology: Shaping the Future of Innovation" lies in the significant and transformative impact that new technologies and engineering advancements have on industries, economies, and society. As the world becomes increasingly interconnected and technology-driven, understanding and leveraging these emerging trends is crucial to navigating the future. Technological innovation is crucial for addressing some of the world's most pressing challenges, including climate change, resource scarcity, and healthcare disparities. Engineering solutions such as renewable energy technologies, sustainable manufacturing practices, and medical advancements like AI-assisted diagnostics are essential for achieving long-term global sustainability and improving quality of life worldwide. Emerging trends in engineering and technology fuel creativity and innovation by enabling engineers and technologists to develop new tools, products, and solutions that previously unimaginable. Breakthroughs such as quantum computing, 3D printing, and block chain open new frontiers for innovation, allowing engineers to think outside the box and solve problems in novel ways.

Many emerging technologies are focused on improving operational efficiency, reducing costs, and increasing productivity. AI, ML and automation, for example, allow industries to optimize processes, predict failures, and automate tasks, leading to improved performance and resource allocation. The exploration of emerging trends in engineering and technology is not only about keeping pace with rapid advancements but also about proactively shaping the future. These trends influence industries, economies, and societies at large, driving innovation, improving lives, and addressing global challenges. By understanding and harnessing these trends, engineers and technologists can contribute to creating a more sustainable, efficient, and equitable world.

## Sub Themes

1. Artificial Intelligence and Automation in Engineering
2. The Role of Quantum Computing in Engineering Innovation
3. Sustainability and Green Engineering
4. The Internet of Things (IoT)
5. 5G and Beyond: Accelerating Connectivity and Innovation
6. Block chain and Its Impact on Engineering and Technology
7. The Evolution of Advanced Manufacturing
8. Cyber security
9. Augmented and Virtual Reality
10. Human-Machine Collaboration: Enhancing Engineering Productivity

## Call for Papers

All interested participants are requested to contribute technical/ research papers and case studies detailing concept, innovation, idea or practical experiences for oral presentation. Each paper should begin with a synopsis of about 200 words and preferably within 3000 words excluding figures, tables and references. Paper can be send to (**Email: [aisplc2025@gmail.com](mailto:aisplc2025@gmail.com)**)

**For Registration Use following link : <https://forms.gle/fhQEJ5zKs3tDhH2N9>**

on which papers to be sent.

All accepted papers will be published in the Annual Technical Journal with ISBN No.

## Closing Dates for Papers

|                                      |                               |
|--------------------------------------|-------------------------------|
| Submission of Paper                  | : 05 <sup>th</sup> March 2025 |
| Communication of Acceptance of Paper | : 10 <sup>th</sup> March 2025 |
| Submission of Camera Ready Paper     | : 15 <sup>th</sup> March 2025 |