



*First information Brochure  
&  
Call for Papers*

# **The Institution of Engineers (India)**

*A Century of Service to the Nation*

## **Thirty-Seventh National Convention of Computer Engineers**

*and*

National Seminar

**on**

***Application of AI and  
Machine Learning***

**22-23 November, 2024**

**Organized by**

**The Institution of Engineers (India)**

**Punjab & Chandigarh State Centre**

*Under the Aegis of*

**Computer Engineering Division Board, IEI**

*In Association With*



**Baba Banda Singh Bahadur Engineering College,**

**Fatehgarh Sahib, Punjab, India**

**Venue**

**Engineers Bhawan, Madhya Marg, Sector 19-A, Chandigarh**

**Selected Papers**  
will be published in  
IEI-Springer Journal  
after peer review

## About The Institution of Engineers (India)

The Institution of Engineers (India) is the largest multidisciplinary professional body that encompasses 15 Engineering Disciplines and gives engineers a global platform to share professional interest. IEI has membership strength of more than 0.8 million. Established in 1920, with its HQ at 8, Gokhale Road, Kolkata – 700020, IEI has served the engineering fraternity for over a century.

In this period of time it 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 to be 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. IEI functions among professional engineers, academics and research workers. It provides a vast array of technical professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 124 centers located across the country.

The Institution also provides grant-in-aid to its members to conduct research and development on engineering subjects.

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

For details, please visit [www.ieindia.org](http://www.ieindia.org)

## About Punjab & Chandigarh State Centre

The Punjab State Centre of the Institution of Engineers was located at Lahore before partition of India. When Haryana and Himachal established their separate centres, this Centre was named as Punjab & Chandigarh State Centre. The foundation stone of this building was laid in 1961 by Sardar Pratap Singh Kairon, the then Chief Minister of Punjab. Located in center of city beautiful and equipped with all kind of infrastructure to organize Conference, Convention, Seminar, Workshop, Meetings and Examinations.

## About Baba Banda Singh Bahadur Engineering College

Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, was established in the year 1993 at historical place of Fatehgarh Sahib under the patronage of SGPC and with the approval of the Govt. of Punjab. The college is approved by the A.I.C.T.E, New Delhi and is affiliated to IKG Punjab Technical University, Jalandhar. The college courses are approved by NBA and NAAC. The College has earned a reputation for its quality infrastructure experience faculty, placements and strong alumni base.

## About the Convention

The 37th National Convention Computer Engineers is to address the latest trends, technical status in the field of AI and machine learning technologies. In order to exceed in any sector, organizations must be able to turn their data into useful insight. AI and machine learning allow organizations to automate a variety of manual processes including data and decision making. The most recent advancements in these fields are closely monitored by researchers from all over the globe. It aims to provide an opportunity for the scientists, engineers, scholars, industrialists, and other professionals from all over the world exchange their new ideas and research outcomes in related fields.

## Themes

- Machine Learning
- Deep Learning
- Reinforcement Learning
- Robotics
- Natural Language Processing
- Computer Vision
- Expert Systems
- Augmented Reality
- Virtual Reality
- Image Processing
- Medical Diagnosis
- Human Computer Interaction
- Internet of Things
- Block Chain Technology
- Big Data
- Data Analytics
- Smart Wearable Devices
- Smart Cities
- Smart Healthcare
- E-Learning Tools
- Virtual Learning Environments
- Educational Systems Design

## Call for Papers

We are pleased to share that Punjab & Chandigarh State Centre is organizing 37th National Convention of Computer Engineer and the National Seminar on “AI & Machine Learning” during 22-23 November, 2024 in Chandigarh.

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)



## Guidelines for Authors

Based on original contributions led to innovations, plans for development, observations, findings, critical surveys, and case studies, which are invited for discussion in the National Seminar. Authors intending to submit a manuscript for the 37th National Convention of Computer Engineer and the National Seminar on “AI & Machine Learning” are advised to adhere to the guidelines as mentioned below :

- The synopsis of the Paper within 500 words with a maximum of five keywords has to be submitted first and after acceptance of the same, the full text of the paper has to be submitted.
- Domain experts will review Synopsis and the decision will be communicated to those authors whose synopsis is accepted.
- Full Text Paper should be prepared in line with the following.
- Papers should be camera-ready in MS Word format, not exceeding 3000 words in length excluding figures, tables and appendices.
- The language of the Publication is English. The mode of presentation should be in the third person.
- The Template for the preparation of the Article and the Declaration form, (to be submitted by the authors duly filled in and signed for copyright purposes) is available with the link [https://www.ieindia.org/webui/IEI-Activities.aspx#Call\\_Papers](https://www.ieindia.org/webui/IEI-Activities.aspx#Call_Papers)
- SI units should be used wherever possible. Other units, if used, should be given only in parentheses preceded by SI units.
- Mathematical symbols should be typed and care should be taken to differentiate between similar characters (e.g. 1 and I), upper and lower case letters, and superscripts and subscripts.
- Lengthy mathematical proofs and derivations and extensive test data are discouraged. If essential, they should be given as appendices.



## Copy Right

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As per Bye-Law 115 of IEI, Copyright of each paper published in Institution Journals or Proceedings in full or in Abstract at its Centers shall lie with the Institution.

## Publication

The technical volume of the Seminar will be published incorporating all accepted papers, and write-ups on the subject for general appreciation, and made available to the registered participants.

## Important Dates

The technical volume of the Seminar will be published incorporating all accepted papers, and write-ups on the subject for general appreciation, and made available to the registered participants.

Receipt of Abstract or Full-text Paper	10.09.2024
Acceptance of Abstract	30.09.2024
Receipt of Full-Text Paper	20.10.2024
Acceptance of Full Paper	05.11.2024

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