

The Institution of Engineers (India)

A Century of Service to the Nation

All India Seminar-cum-National Conference

on

Advanced Manufacturing Technologies for Ergonomic and Sustainable Production (AMES-2026)

10-11 October 2026

Organized by



The Institution of Engineers (India)

Rajasthan State Centre Jaipur

Under the Aegis of

Production Engineering Division Board

in association with



Mechanical Engineering Department
Malaviya National Institute of Technology Jaipur

Venue

Engineers Bhawan

The Institution of Engineers (India)

Rajasthan State Centre Jaipur

Tonk Road, Jaipur, Raj-302015

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.

About the IEI Rajasthan State Centre Jaipur

The Rajasthan State Centre of the Institution of Engineers (India) was inaugurated on September 5, 1959, by Sardar Gurumukh Nihal Singh, the then Governor of Rajasthan. The event was attended by key dignitaries, including Dr. K. L. Rao, President of the Institution of Engineers (India) and the Union Minister of Irrigation and Power at the time.

Sh. Kishori Lal Mathur, the then Chief Engineer (PWD) Rajasthan, was appointed as the first chairman. Since its inception, the Centre has been led by 35 distinguished engineers from both the government and private sectors, with Er. M. L. Yadav serving as the Chairman and Er. V. K. Gupta as the Honorary Secretary for the 2025-2027.



About the MNIT Jaipur

The Malaviya National Institute of Technology Jaipur is one of the National Institutes of Technology established by the Ministry of Human Resource Development, Government of India. The Institute, earlier known as MREC, was founded in 1963 as a joint venture of the state and central governments. In 2002, it was granted the status of a National Institute of Technology, and on August 15, 2007, it was declared an Institute of National Importance through an Act of Parliament.

The MNIT campus spreads over 325 acres of lush green land in a prime location of Jaipur. At present, in addition to research, consultancy, and developmental activities, the Institute offers undergraduate and postgraduate (M. Tech., M.Sc., and Ph.D.) Programs to about 5000 students across almost all major fields of engineering technology, management, and sciences.



About the Department

Department of Mechanical, one of the institute's oldest and largest departments, offers B. Tech., M. Tech. and PhD programs with a strong focus on practical learning. It also supports part-time doctoral research for professionals from industry and academia. Faculty members are actively engaged in consultancy, sponsored research projects funded by agencies such as ISRO, DRDO, DST New Delhi etc. The department also conducts training programs and workshops to keep pace with evolving industry trends, with research specializations spanning Industrial, Thermal, Production and Design Engineering.



About the Jaipur

Jaipur, the capital of Rajasthan, is a beautiful and historical city that attracts tourists worldwide. It is popularly known as the Pink City because of the exclusive pink stones used for building the monuments. Jaipur's bazaars are famous for their embroidered leather shoes, blue pottery, jewellery, clothes, and exotic wares. Western Rajasthan forms a convenient circuit in the heart of the Thar desert, which has shaped its history, lifestyle, and architecture. The city's major tourist attractions include Jantar-Mantar, Amber Fort, Moti Doongari and Lakshmi Narayan Temple, City Palace, Albert Hall (Museum), Hawa Mahal, Jaigarh Fort, Sisodia Rani Garden.



About the Theme

Manufacturing remains a cornerstone of economic development and industrial growth. In the present era, industries are undergoing rapid transformation driven by advanced manufacturing technologies, digitalization, and sustainability imperatives. At the same time, there is an increasing need to integrate human-centric approaches such as ergonomics into production systems to enhance productivity, safety, and overall well-being. Advanced manufacturing technologies, including digital manufacturing, intelligent systems, automation, and data-driven production, are redefining traditional industrial practices. When combined with ergonomic principles, these technologies help create efficient, safe, and adaptive work environments that improve both human performance and system productivity.

Furthermore, sustainable and green manufacturing practices play a vital role in ensuring optimal utilization of resources, minimizing waste, reducing environmental impact, and supporting long-term industrial growth. The integration of ergonomics with sustainability and advanced technologies is essential for achieving resilient and future-ready manufacturing systems.

This two-day All India Seminar-cum-National Conference aims to bring together academicians, industry experts, researchers, policymakers, and students to deliberate on emerging trends, innovative technologies, and best practices in advanced manufacturing for ergonomic and sustainable production.

Sub-Themes

- Advanced Manufacturing Systems
- Smart & Digital Manufacturing
- Ergonomics in Production Systems
- Cognitive & Physical Ergonomics
- Sustainable & Green Manufacturing
- Resource-Efficient Production Systems
- Intelligent Monitoring & Automation
- Micro/Nano & Surface Engineering
- Rapid Prototyping & Additive Manufacturing
- Bio-Inspired Manufacturing
- Industrial Engineering
- Lean Manufacturing & Six Sigma
- Robotics, Mechatronics & Autonomous Manufacturing
- and all other related topics

Call for Papers

Prospective authors are invited to submit manuscripts reporting original unpublished research and recent developments in the topics related to the theme of the All India Seminar National Conference but not limited to subthemes listed above.

Authors should send an Abstract up to 250 words to rajasthansc@ieindia.org or mlmeena.mech@mnit.ac.in. The final paper should be in the format available on the website

(https://www.ieindia.org/webui/IEIActivities.aspx#Call_Papers). All presented papers will be included in the e-proceedings of the Conference.

For Guidelines for Submission of Papers scan the QR Code



https://www.ieindia.org/webui/IEI-Activities.aspx#Call_Papers

Important Dates

Last date for Submission of Abstract	: 18.09.2026
Communication of Acceptance of Abstract	: 25.09.2026
Last date for Submission of Full Length Paper	: 30.09.2026
Last date of Registration Fee	: 03.10.2026

Registration Fee

Type		Fee Amount (Including 18% GST)
IEI Corporate Members	:	Rs. 500/-
Research Scholar Ph.D./ PG / UG / Diploma	:	Rs. 1000/-
Academicians/Faculty Academic Institutions	:	Rs. 2000/-
Delegates from Industries and Delegates from R&D organizations	:	Rs. 3000/-

* Registration fee includes registration kit, soft copy of souvenir, proceedings, lunch and high tea.

Pay registration fees using NEFT/UPI to the following account:

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To complete your registration, kindly provide the details in the Google Form link given below:

<https://forms.gle/evtTNRTdGuTDKcJM8>

Selected full-length papers will be recommended for further submission to the IEI Annual Technical Volume (ISBN Published), subject to the review and acceptance process of the IEI. (<https://www.ieindia.org/web/publication/publication-release/books?id=1&year=2026&div=PR>)

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Registration Form

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**Advanced Manufacturing Technologies for Ergonomic and
Sustainable Production (AMES-2026)**

10-11 October 2026

IEI Rajasthan State Centre Jaipur

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