

The Institution of Engineers (India)

A CENTURY OF SERVICE TO THE NATION

ALL INDIA SEMINAR

on

**3D PRINTING IN CONSTRUCTION: TRANSFORMING THE
FUTURE OF CIVIL ENGINEERING**

on

August 21-22, 2026

Organized by



The Institution of Engineers (India)

Prayagraj Local Centre

Under the Aegis of

Civil Engineering Division Board, IEI

In Association with



Venue

**Civil Engineering Department
United College of Engineering and Research
Naini, Prayagraj**

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 from which to share professional interest. IEI has membership strength of over 0.8 million. Established in 1920, with its headquarters 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, academicians 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 Centres 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 further details, please visit: www.ieindia.org.

About Prayagraj Local Centre

The Prayagraj Local Centre (PLC) of IEI was established as Allahabad Sub Centre in the year 1965. Later in the year 1987 it got status of Allahabad Local Centre. The centre is situated in the campus of Motilal Nehru National Institute of Technology Allahabad – MNNIT Allahabad, Prayagraj erstwhile Motilal Nehru Regional Engineering College Allahabad – MNREC Allahabad. The Allahabad Local Centre of IEI has always been among top centers of IEI since its inception. The technical and social activities of this center have well been conducted with full cooperation, support and association of MNREC/MNNIT Allahabad. The first Hon'ble Principal of MNREC Allahabad Late Sri G. K. Agrawal Ji and other Hon'ble principals like Late Dr. Jagdish Lal Ji and Late Prof. Brij Narayan Ji were chairmen of this center during their tenures. A part from this, corporate members of this centre have successfully led the projects of state and national interests in the capacities of heads of State or National level Engineering Departments, and have also been successful entrepreneurs. The corporate members of this centre are still serving at different key positions in various Engineering, Administrative, R&D and Educational sectors of the country as Directors, Chief Engineers, Vice Chancellors etc. Padma Shri Late R. S. Gahlot was associated with this prestigious centre. IEI National Council in its 728th meeting held on 22nd December 2024 at Kolkata under the chairmanship of IEI President Er. V. B. Singh has approved proposal of Allahabad Local Centre Committee to change center's name from "Allahabad Local Centre" to "Prayagraj Local Centre". Hence the centre is now known as Prayagraj Local Centre.

At present around 1400 corporate members are associated with this centre. Prayagraj (Erstwhile Allahabad) is well known throughout the country for its purity and cleanliness that the city has maintained for many years. It's a holy and religious place and the meeting point of three most pious rivers namely Ganga, Yamuna and invisible Saraswati. The city has always been associated with well-known personalities of the country which has aggrandized the glory of the city. The city has many governmental institutions which include MNNIT Allahabad, High Court, Allahabad University & tourist places like Holy Sangam, Bhardwaj Ashram, Museum, Narayani Ashram, Akshaya Vat etc. Wide and clean roads with statues at regular squares form a part of the attraction of the city. Prayagraj city is situated in the north part of India in the Awadh region of state of Uttar Pradesh. It is well connected with flights, rail and road transport to other parts of India. Daily trains, buses and flights are available from major cities in India. The city has its own domestic airport named Prayagraj Airport which is 15 km away from the heart of the city. Good road services are available in Prayagraj. UPSRTC buses offer service to most of the cities in Uttar Pradesh. From Prayagraj, bus services are available to as far as Delhi (650 km) and Kolkata (800km).

About United College of Engineering and Research

Established in 1998, the United College of Engineering & Research, Prayagraj is a premier institution affiliated with Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow, and duly approved by the All-India Council for Technical Education (AICTE). The college is dedicated to imparting high-quality technical education and fostering research-driven learning. Offering undergraduate and postgraduate programs, the institute provides a strong academic foundation in key engineering disciplines such as Computer Science & Engineering, Electrical Engineering, Mechanical Engineering, and more. Beyond academics, the college actively promotes research on recent technological advancements, engaging students, research scholars, academicians, and industry professionals through seminars, conferences, workshops, and short-term courses.

The Department of Civil Engineering UCER, Naini Prayagraj was established in the year 2008 with an intake of 60 students and increased to 120 in the year 2012-13. The department has a two storied building with six different laboratories and department is well equipped with all the necessary equipment in the laboratories as prescribed by the AKTU. The Department offers Bachelor Degree in Civil Engineering, a four-year comprehensive program designed by AKTU, which provides the latest facilities to learn all the competitive skills of Civil Branch. It also trains the students on various modern software like AUTOCAD, STADD, SAP2000, E- Tab etc. and equipments like TOTAL STATION, G.P.S. etc., which bridges the gap of academic and professional field. The faculty of Civil Engineering at UCER is continuously making efforts to impart quality teaching at the undergraduate level to attain excellence and thus to empower students to meet the technological needs and socio-economic challenges.

About the Theme of the Seminar

The construction industry is undergoing a major transformation with the advent of 3D Printing and Additive Manufacturing (AM) technologies. These technologies enable layer-by-layer construction of structural components directly from digital models, offering advantages such as reduced material waste, faster construction, design flexibility, and cost efficiency. In civil engineering, 3D printing has shown significant potential in the fabrication of buildings, bridges, housing units, and complex architectural components. Giving the increasing global focus on automation, sustainability, and smart construction practices, it is essential for faculty members, researchers, students, and practicing engineers to understand the principles, applications, challenges, and future scope of 3D printing in construction. The seminar will focus on following objectives:

Objectives of the Seminar

- To introduce the fundamentals of 3D Printing and Additive Manufacturing in construction.
- To explain different 3D printing techniques used in civil engineering.
- To highlight recent research trends and industrial applications.
- To discuss sustainable and cost-effective construction using 3D printing.
- To create awareness about challenges, limitations, and future opportunities.

Sub Themes

1. Introduction and use of 3D Printing Technologies in Construction
2. Materials for 3D Printing in Construction
3. Design for Additive Manufacturing (DfAM)
4. Sustainability and Economic Benefits
5. Innovations, Challenges and Limitations in Construction

Call for Papers

Interested participants are invited to submit a two-page extended abstract, including relevant figures and tables, if required they will be asked for suitable correction/ modifications. The decision of paper acceptance will be based on recommendation of technical program committee. Full papers may also be considered for publication. Submissions should be E-mailed to prayagrajlc@ieindia.org. Best Paper Awards will be presented to outstanding contributions across various categories during the seminar. However, participation/paper presentation certificates will be given to all participants/presenters. In exceptional cases, presenters may be allowed to present their papers in online mode. The extended abstracts will be published in the proceedings of the seminar, and a soft copy will be provided to all participants.

Important Dates

Submission of extended abstract (2 pages)	: July 30, 2026
Communication of acceptance of the paper	: August 5, 2026
Submission of final version of extended abstract	: August 15, 2026
Dates of the Seminar	: August 21-22, 2026

Registrations and Registration Fee (Including GST)

Registrations can be done online using google form link: <https://forms.gle/JTyjF9BmgQWX98L87>.

Registration forms along with payment details are acceptable via e-mail/WhatsApp/registered post/ physical mode as well.

Non-Member- Industry or Academic Professionals	: Rs.300.00
Member of IEI/Faculty Members of UCER Prayagraj	: Rs.150.00
Research Scholar/Students	: Rs.100.00

Sponsorship / Souvenir Advertisement Fee (Including GST)

Platinum Sponsorship	: Rs.2,00,000.00
Diamond Sponsorship	: Rs.1,00,000.00
Gold Sponsorship	: Rs.75,000.00
Silver Sponsorship	: Rs.50,000.00
Bronze Sponsorship	: Rs.25,000.00
Logo & Name on main banner of seminar	: Rs.10,000.00
Full Page color advertisement in Souvenir	: Rs.5,000.00
Banner at seminar venue	: Rs.5,000.00

SCAN TO PAY



Payment should be made through Cheque/DD drawn in the favor of “**The Institution of Engineers (India), Prayagraj Local Centre**”, payable at Prayagraj or direct transfer in bank account with following details.

Bank Name	: Bank of Baroda, MNREC, Allahabad
A/c Name	: The Institution of Engineers (India), Prayagraj Local Centre
A/C No	: 77660100010143
IFSC code	: BARB0VJMNRE

NATIONAL ADVISORY COMMITTEE

Chairman	Er. Manish Mahendra Kothari, President, IEI
Co-Chairman	Er. P Surya Prakash, Chairman, CVDB, IEI
Convener	Er. Gulab Chandra Dubey, Member, IEI Prayagraj Local Centre
Members	Er. Sajjan Singh Yadav, Vice President, IEI
	Er. Lochan Kumar Adhikari, Vice President, IEI
	Dr. Girish Shrikisan Mundada, Chairman, CATE, IEI
	Er. V.B. Singh, Immediate Past President, IEI
	Er. Austin Socorro Rodrigues, Member, CVDB, IEI
	Er. Awadhesh Kumar, Member, CVDB, IEI
	Er. Babu K S, Member, CVDB, IEI
	Er. Balwinder, Member, CVDB, IEI
	Er. Constantine Kharmudai, CVDB, IEI
	Prof (Dr) D Elango, Member, CVDB, IEI
	Er. Gandhi Jayesh Ajitbhai, Member, CVDB, IEI
	Er. Inderdeep Singh, Member, CVDB, IEI
	Er. Jaswant Singh, Member, CVDB, IEI
	Er. K. Soundararajan, Member, CVDB, IEI
	Er. K. Vijaya Kumar, Member, CVDB, IEI
	Er. M Nagaraj, Member, CVDB, IEI
	Lt Col (Dr) Naresh Pal Singh Bana, Member, CVDB, IEI
	Er. Patel Maheshbhai Devakaranbhai, Member, CVDB, IEI
	Prof. Pravat Kumar Parhi, Member, CVDB, IEI
	Er. Rajesh Bisaria, Member, CVDB, IEI
	Er. Rakesh Kumar Rathore, Member, CVDB, IEI
	Prof. (Dr) Ramana Banothu, Member, CVDB, IEI
	Er. S Loganathan, Member, CVDB, IEI
	Dr. Sandeep Sharad Shirkhedkar, Member, CVDB, IEI
	Er. Soibam Tampha Singh, Member, CVDB, IEI
	Er. Sukhvir Singh Mundi, Member, CVDB, IEI
	Er. Suresh Babu H S , Member, CVDB, IEI
	Prof. Avanish Kumar Dubey, Chairman, IEI Prayagraj Local Centre
	Er. Udai Prakash Srivastava, Honorary Secretary, IEI Prayagraj Local Centre
	Mr. G. G. Gulati, Chairman, UGI
	Dr. Jagdish Gulati, President, UGI

	Dr. Satpal Gulati, Vice Chairman, UGI
	Mr. Gaurav Gulati, Senior Vice President, UGI
	Dr. Vijay Kr. Dwivedi, Dean Academics, UCER Prayagraj
	Prof. Nandita Pradhan - DSW, UCER Prayagraj
	Er. Arun Kumar Singh, Chief Engineer, UP Jal Nigam, Rural, Lucknow
	Er. Ashok Kumar Dwivedi, Engineer-in-Chief UP PWD
	Er. Onkar Bhartiya, Superintending Engineer NH Circle, PWD, Prayagraj
	Er. Ganesh Pandey, Kalpataru Project International Limited
	Er. Ghanshyam Dwivedi, Retd. Chief Engineer, UP Jal Nigam, Prayagraj

ORGANIZING COMMITTEE

Chairman	Prof. Avanish Kumar Dubey, Chairman, IEI Prayagraj Local Centre
Co-Chairman	Dr. Swapnil Srivastava, Principal, UCER Prayagraj
Honorary Secretary	Er. Uday Prakash Srivastava, IEI Prayagraj Local Centre
Convener	Dr. Anupam Rawat, Member IEI – PLC & Asso. Prof., MNNIT Allahabad, Prayagraj
Co-Convener	Dr. Jitendra Kumar, HOD-CED, UCER Prayagraj
Organizing Secretary	Er. Ankit Gupta, Member IEI, Prayagraj Local Centre & Asstt. Professor UCER Prayagraj
Members	Er. Vikas Rai, IEI Prayagraj Local Centre
	Dr. Yeetendra Kumar, IEI Prayagraj Local Centre
	Er. R P Upadhyay, IEI Prayagraj Local Centre
	Er. Jai Kirti Singh, IEI Prayagraj Local Centre
	Er. Gulab Chandra Dubey, IEI Prayagraj Local Centre
	Er. Kanhaiya Singh, IEI Prayagraj Local Centre
	Er. Prabhu Nath Srivastava, IEI Prayagraj Local Centre
	Er. Kalpana Maurya, IEI Prayagraj Local Centre
	Er. Devesh Kumar Srivastava, IEI Prayagraj Local Centre
	Dr. Ajay Sharma, Associate Professor, ECE, UCER Prayagraj
	Dr. Rakesh Kumar Yadav, HOD-MED, UCER Prayagraj

TECHNICAL COMMITTEE

Chairman	Prof. Ram Prakash Tiwari, Professor MNNIT Allahabad, Prayagraj
Convener	Prof. Kumar Venkatesh, Professor, MNNIT Allahabad, Prayagraj
Members	Dr. Ajay Kumar Mandrawalia, Asstt. Prof. CED, MNNIT Allahabad, Prayagraj
	Dr. Snehal K, Assistant Professor, MNNIT Allahabad, Prayagraj
	Dr. Jarapala Raydu, Assistant Professor, MNNIT Allahabad, Prayagraj
	Dr. Sachin Singh, ET, Varanasi, Prayagraj, Asstt. Prof. IET Lucknow
	Dr. Lalit Kumar, Asstt. Prof. CED, MNNIT Allahabad, Prayagraj

	Er. Gaurav Singh, Assistant Prof. HOD, CED, Shambhunath Engg. College, Prayagraj
	Dr. Naveen Kumar - Associate Professor, MED, UCER Prayagraj
	Er. Shailendra Kumar Yadav, Assistant Professor, CED, UCER Prayagraj
	Er. Mani Mahesh, Assistant Professor, CED, UCER Prayagraj
	Er. Ashish Pandey, Assistant Professor, CED, UCER Prayagraj
	Er. Vikas Singh, Assistant Professor, CED, Integral University, Lucknow

For further clarification, please contact:

Er.Udai Prakash Srivastava

Honorary Secretary

The Institution of Engineers (India)

Prayagraj Local Centre

Mobile: +91-6387214063, +91-9554539908

E-mail: *prayagrajlc@ieindia.org*

Dr. Anupam Rawat

Convener

The Institution of Engineers (India)

Prayagraj Local Centre

Mobile: +91-9452334867

E-mail: *anupam@mnnit.ac.in*

Mr. Ankit Gupta

Organizing Secretary

United College of Engineering & Research

Prayagraj

Mobile: +91-9335961908

E-mail: *ankitgupta@united.ac.in*

Registration Form

All India Seminar
on

3D PRINTING IN CONSTRUCTION: TRANSFORMING THE FUTURE OF CIVIL ENGINEERING

on
August 21-22, 2026

Organized by

**The Institution of Engineers (India)
Prayagraj Local Centre**

In Association with

**Civil Engineering Department
United College of Engineering and Research
Naini, Prayagraj**

Name: (BlockLetters).....

Organization/Institution:.....

Designation:.....

Address:.....

Mobile.....Email:.....I/

We enclose a Cash / NEFT / Cheque/ DD detail for Rs..... transaction ID No.....

Dated

.....

Signature

Advertisement Booking/Sponsorship Form

All India Seminar

on

3D PRINTING IN CONSTRUCTION: TRANSFORMING THE FUTURE OF CIVIL ENGINEERING

on

August 21-22, 2026

Organized by

**The Institution of Engineers (India)
Prayagraj Local Centre**

In Association with

**Civil Engineering Department
United College of Engineering and Research
Naini, Prayagraj**

Er. Udai Prakash Srivastava

Honorary Secretary

The Institution of Engineers (India), Prayagraj Local Centre

Mobile: +91-6387214063, +91-9554539908

E-mail: prayagrajlc@ieindia.org

Dear Sir,

I am/ We are pleased to sponsor Inaugural Tea/ Lunch/ Seminar Kit, Full Color Page (Soft Copy) advertisement in the souvenir, Logo in seminar Banner/ Banner at seminar venue of the Two-Day Seminar on August 21-22, 2026.

Name of Person/ Organization/ Institution: (Block Letters):

.....

Address:.....

.....

Mobile.....Email:.....

I/We enclose a Cash / NEFT / Cheque/ DD detail for Rs..... transaction ID No.....

Dated

.....

Authorized Signature & Stamp