FACULTY DEVELOPMENT PROGRAMME

ON

APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN CIVIL ENGINEERING

FEBRUARY 3rd- 7th, 2026

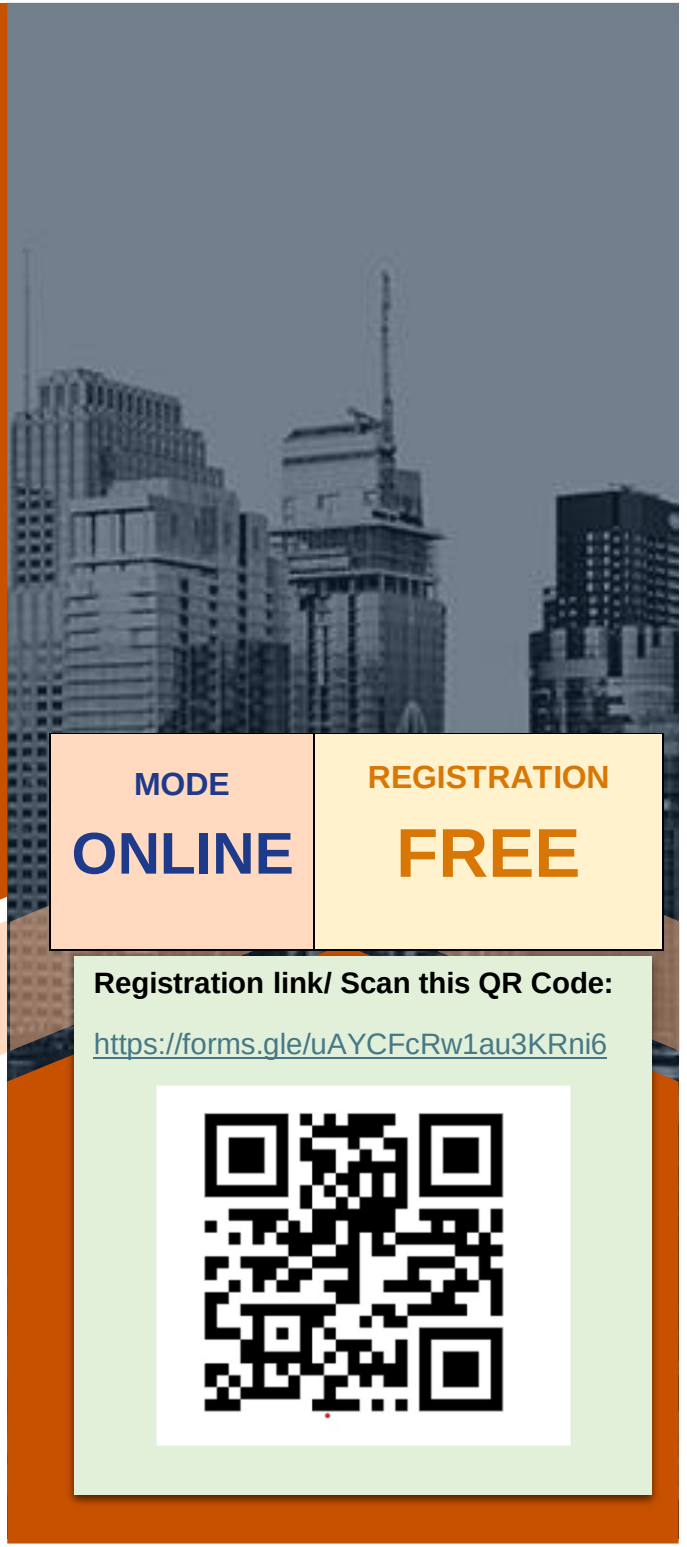
"Embracing AI is not just an option—it's the foundation of modern civil engineering evolution."

SPEAKERS --

Reputed Academicians from IIT, NIT, Govt. University & Industry Professionals

ORGANISED BY –

DEPARTMENT OF CIVIL ENGINEERING
SHARDA UNIVERSITY,
GREATER NOIDA



MODE	REGISTRATION
ONLINE	FREE

Registration link/ Scan this QR Code:

https://forms.gle/uAYCFcRw1au3KRni6

ABOUT SHARDA UNIVERSITY

Sharda University is a leading Educational Institution, **NAAC A+ graded** and has **NIRF ranking of 87**, located at Greater Noida, Delhi NCR. It is a venture of the renowned Sharda Group of Institutions (SGI). The University has established itself as a high-quality education provider with prime focus on holistic learning and imbibing competitive abilities in students.

The University is approved by UGC and prides itself in being the only multi-discipline campus in the NCR, spread over 63 acres and equipped with world class facilities.

14 Schools	**130+** Programs	**13,000+** Students	**95** Countrie

ABOUT DEPARTMENT OF CIVIL ENGINEERING

Civil engineering, one of the earliest engineering disciplines, encompasses the intricate domains of designing, constructing, and maintaining both artificial and natural structures within our environment.

The Department of Civil Engineering has evolved significantly over the years, emerging as a pivotal entity within the university's engineering landscape. The focus extends beyond imparting high-quality teaching and practical knowledge to include research initiatives at undergraduate and postgraduate levels.

Master's Specializations

- Structural Engineering
- Environmental Engineering
- Construction Management
- Geotechnical Engineering

Who Should Attend?

- **Faculty Members** from Engineering Colleges and Universities
- **Research Scholars** pursuing Ph.D. and M.Tech
- **Students** (M.Tech/B.Tech Final Year)
- **Government and PSU Officials**
- **Industry Professionals** in Civil Engineering and Construction

WHY ATTEND THIS FDP?

Artificial Intelligence and Machine Learning are revolutionizing civil engineering. This comprehensive FDP will bridge the gap between traditional practices and emerging AI technologies, empowering you to integrate cutting-edge tools into teaching, research, and real-world problem-solving.

What You'll Receive

- **E-Certificate** (upon 75% attendance)
- **Course Materials** including presentations and code samples

Key Objectives

1 Master AI fundamentals including Machine Learning, Deep Learning, and Data Analytics specifically for civil engineering applications
2 Learn AI-driven tools and techniques for structural analysis, design optimization, monitoring, and decision-making in infrastructure systems
3 Bridge traditional civil engineering practices with emerging AI-based methodologies through hands-on training
4 Foster interdisciplinary research by integrating AI with structural, geotechnical, transportation, environmental, and construction engineering
5 Gain practical skills to incorporate AI in curriculum development and real-world engineering projects

SPEAKERS

Dr. Nitin Tiwari, Assistant Professor, Southern Illinois University, Carbondale
Dr. Sanjay Kumar, Scientist G, National Institute of Hydrology, Roorkee
Dr. Anil Kumar Lohani, Scientist G, National Institute of Hydrology, Roorkee
Dr. Ayodeji Salau, Afe Babalola University, Nigeria
Dr. Sufyan Ghani, Engineer-Tailings, WSP India
Dr. Ramesh Gomasa, Assistant Professor, SR University, Warangal
Dr. Rishi Singh Chhabra, Head R&D (bitumen division), Moglix
Mr. Ishwar Thapa, Sharda University

& many more from reputed academicians from IIT, NIT, Govt. University & Industry Professionals

Scope of the FDP Programme

The FDP covers AI fundamentals and applications in:

- **Core Topics** – AI, Machine Learning, Deep Learning, Data Science
- **Structural Engineering** – Health monitoring, damage detection, intelligent design
- **Geotechnical Engineering** – Soil classification, settlement prediction, slope stability
- **Transportation** – Smart systems, traffic prediction, pavement modeling
- **Construction Management** – Cost estimation, scheduling, risk assessment
- **Environmental Engineering** – Water quality, flood forecasting, climate-resilient infrastructure
- **Smart Infrastructure** – IoT, sensors, digital twins
- **Hands-on Training** – AI tools, case studies, research trends

PROGRAMME DETAILS

MODE	**ONLINE (Platform: To be announced)**
REGISTRATION LINK	https://forms.gle/uAYCFcRw1au3KRni6
TIMINGS	**Morning: 10:00 AM - 11:30 AM | Afternoon: 2:00 PM - 3:30 PM**
FEE	**FREE OF COST (Limited Seats)**

CHIEF PATRONS

Shri. P. K. Gupta, Hon. Chancellor, Sharda University
Shri. Y. K. Gupta, Hon. Pro- Chancellor, Sharda University

PATRONS

Prof. (Dr.) Sibaram Khara, Vice - Chancellor, Sharda University
Prof. (Dr.) Parma Nand, Pro-Vice Chancellor, Sharda University

CONVENERS

Col. Vivek Shanker Mathur, Dean SSES
Prof. Rakesh Kumar, HOD, Civil Engineering Sharda University

ORGANIZING SECRETARY

Dr. Tushar Bansal, Assistant Professor, Civil Engineering, Sharda University
Ms. Sphurty Raman, Assistant Professor, Civil Engineering, Sharda University
Dr. Utkarsh, Assistant Professor, Civil Engineering, Sharda University

ORGANIZING COMMITTEE

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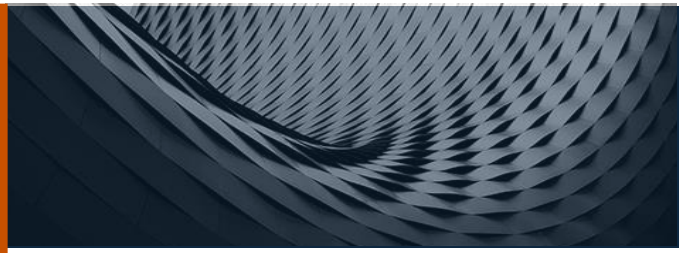
Ms. Sunanyana Kushawha, Assistant Professor, Civil Engineering, Sharda University



CONTACT US

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