



Department of Civil Engineering

Organizes
A One Week Online

Faculty Development Programme (FDP)

On

**Data Analytics for Civil Engineering
Research: Methods, Tools and
Applications**

8-12 December, 2025

Registration

- ❖ *No Registration Fee*
- ❖ *The FDP will be conducted through Cisco Webex Platform*
- ❖ *Registration Link : <https://forms.gle/4P7rKyJdS8L9J3uN8>*
- ❖ *Target Audience: Faculty Members, Research Scholars, UG Final Year & PG Students & Industry Professionals in Civil Engineering*
- ❖ *E-Certificate will be provided to all participants who attend FDP (80% attendance) and submit feedback form.*
- ❖ *Last date of registrations: 29th November, 2025 before 5 PM.*



For details, Contact:

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ABOUT THE INSTITUTE

Mahatma Gandhi Institute of Technology (MGIT) was established by the Chaitanya Bharathi Educational Society (CBES) in 1997 and has maintained an excellent academic track record, standing among the top engineering colleges in Telangana. The primary objective of CBES is to create temples of knowledge to impart value-based education to the present and future generations of our country. MGIT is affiliated with JNTU, Hyderabad, and all eligible courses have been accredited four times by the National Board of Accreditation (NBA), New Delhi. The Institute is also accredited by NAAC with an A++ grade and recognized by UGC under 2(f) and 12(b).

ABOUT THE CIVIL ENGINEERING DEPARTMENT

The Civil Engineering Department offers UG program in Civil Engineering with an intake of 60 and PG program in Computer Aided Structural Engineering with an intake of 18. Department is bestowed with well equipped laboratories, highly qualified and dedicated faculty with rich experience, skilled and committed supporting staff. Department provides internships to the students in various companies in public and private sector organizations. Department offers consultancy in structural design, material testing and field investigations. Department is engaged in industry institute partnership to exchange the latest development in the field of Civil Engineering. The Department is doing active research and grabbed funding worth of Rs. 40 Lakhs from various funding organizations. The Civil Engineering Association (CEA) of MGIT organizes many co-curricular activities for students to update their knowledge to suit to industry needs.

ABOUT THE FDP

The Faculty Development Programme (FDP) on **“Data Analytics for Civil Engineering Research: Methods, Tools, and Applications”** aims to enhance the analytical and computational capabilities of faculty and researchers by introducing them to modern data analytic techniques relevant to Civil Engineering problems, such as regression modeling, time series analysis, machine learning and model diagnostics. This helps participants to bridge the gap between traditional engineering analysis and data-driven decision-making. FDP endeavors to promote research innovation and interdisciplinary collaboration by demonstrating how data analytics can be integrated into Civil Engineering domains such as sustainable infrastructure design, material optimization, performance prediction and environmental impact assessment. Through lectures and case studies, the FDP encourages participants to adopt analytical thinking and data-based methodologies in their teaching and research practices.



CHIEF PATRONS

Smt. N. Padma, Chairperson, CBES.

Sri J. Pratap Reddy, Secretary & Correspondent, CBES.

PATRONS

Prof. G. ChandraMohan Reddy, Principal, MGIT.

Prof. K.Sudhakar Reddy, Vice-Principal, MGIT.

CONVENOR

Dr. V. Venkat Ramayya, Associate Professor & HoD, Dept. of Civil Engineering

FACULTY COORDINATOR

Dr. S.Bala Padmaja, Assistant Professor, Dept. of Civil Engineering

ORGANIZING COMMITTEE

Dr. P.Poluraju, Professor.

Dr. T. Siva Sankar Reddy, Associate Professor

Mr. S.Jayaprakash Narayana, Assistant Professor

Mr. G.Srinivas, Assistant Professor

Ms. P.Sharada, Assistant Professor

Ms. K.Krishna Bhavani Siram, Assistant Professor

Dr. D.Tarangini, Assistant Professor

Dr. M.Padmaja, Assistant Professor

Ms. P.Neeraja, Assistant Professor

Mr. A.Abhilash, Assistant Professor

Mr. K.Govind Goud, Assistant Professor

Mr. P.Sankar Kumar Reddy, Assistant Professor

Dr. K.Ashwini, Assistant Professor



SPEAKERS & SESSIONS

S.No	Speaker	Topic	Date & Slot
1	Dr. Chiranjeevi Rahul Rollakanti, Senior Lecturer, Dept. of Civil and Mechanical Engineering, Middle East College, Muscat, Oman.	Fundamentals of Data Analytics	8.12.2025 10.30AM to 12.30 PM
2	Dr. Digvijay Pawar, Associate Professor. Department of Civil Engineering, IITH.	Fundamentals of Exploratory Data Analysis	8.12.2025 1.30PM to 2.30PM
3	Dr. V Sunitha, Associate Professor, Department of Civil Engineering, NIT Trichy.	Descriptive and Predictive Analytics - Cluster Analysis	9.12.2025 10.30AM to 12.30PM
4	Dr. V.Venkat Ramayya, Associate Professor & HoD, Department of Civil Engineering, MGIT	Regression Analysis and Diagnostics	9.12.2025 1.30PM to 3.30PM
5	Dr. T .R. Neelakantan, Dean, School of Civil Engineering, SASTRA University, Thanjavur.	Machine Learning Techniques for Civil Engineers	10.12.2025 10.30AM to 12.30PM
6	Dr. G. Kalyan Kumar, Associate Professor, Civil Engineering Department, NITW.	Prediction of Geotechnical Parameters of soil using Machine Learning Models	10.12.2025 1.30PM to 3.30PM
7	Dr. Venkata Dileep Kumar Pasupuleti, Associate Professor, Civil Engineering Department, Mahindra University.	Applications of Data Analytics and AI in Bridge Assessment: From UAV Data to Virtual Reconstruction	11.12.2025 10.30AM to 12.30PM
8	Dr. T. Siva Sankar Reddy, Associate Professor, Department of Civil Engineering, MGIT.	Fuzzy Logic Applications	11.12.2025 1.30PM to 3.30PM
9	Dr. P. Poluraju, Professor, Department of Civil Engineering, MGIT.	Artificial Intelligence Applications in Civil Engineering	12.12.2025 10.30AM to 12.30PM
10	Dr. C R Suribabu, Professor, School of Civil Engineering, SASTRA University, Thanjavur.	Case Studies & Research Directions	12.12.2025 1.30PM to 3.30PM