

Report on Online Workshop on Overview of MATLAB and its applications in Civil Engineering

Date and Venue

Civil Engineering Department, HBTU, Kanpur organised a workshop on Overview of MATLAB and its applications in Civil Engineering from 11:00 to 13:00 on 22nd December 2025 in online mode.

Training Personnel

Dr. Varun Srivastava from DigiTech Systems Delhi conducted the training. He has over 10 years of experience in the field of signal processing in MATLAB, both in industry and research. He holds a PhD in Electronics Engineering, and his major research area is Free Space Optical Communication.

Agenda

- Introduction to MATLAB
 - What is new in latest release
- Applications of MATLAB for Civil Engineering
 - Data Types & Classes
 - Data Import-Export, Preprocessing & Visualizing
- Working with time series data
- Fitting Model to Data made easy
- Solving Optimization Problem with MATLAB
- Q&A/Query/sharing Learning resources/MATLAB Onramp

Participation

Sixty-eight participants including undergraduate and masters students from various departments of HBTU registered and participated in the online workshop.

