

Online Faculty Development Program
on
**Recent Advances in Earthquake
Engineering (RAEE-2021)**



(Sponsored by AICTE)

September 20 - 24, 2021

Organized by



**Department of Civil Engineering
Madan Mohan Malaviya University
of Technology, Gorakhpur
Gorakhpur-273010, (U.P) INDIA**
(Formerly, Madan Mohan Malaviya Engg. College)
Established by U.P. Government Act no-22 of 2013

About University

Madan Mohan Malaviya University of Technology, Gorakhpur has been established in the year 2013 by the Government of Uttar Pradesh in the form of a non-affiliating technical University after reconstituting the Madan Mohan Malaviya Engineering College, Gorakhpur which was established in 1962. The University offers seven undergraduate programs in the disciplines of Civil, Chemical, Electrical, Mechanical, Electronics & Communication Engineering, Computer Science & Engineering and Information Technology along with twelve M.Tech programs in various specializations and also provide facilities for the Doctoral programs in all the academic departments.



MMMUT Gorakhpur

About the Civil Engineering Department

The Civil Engineering Department established in 1962, in Madan Mohan Malaviya University of Technology, Gorakhpur, is one of the oldest departments of the University, working since its inception. The department has, over the years, established its status as a centre for imparting high quality technical education to undergraduate and post-graduate students and extending consultancy services to industries and various government departments located in the Eastern U. P.

B.Tech (CE) offered by this department has been accredited by National Board of Accreditation as per Washington Accord.), the department offers 4 regular M.Tech. courses in Civil Engineering respectively in Seismic Design and Earthquake Engineering, Structural Engineering, Environmental Engineering and Hill Area Development Engineering domains. The facilities of doctoral research are also available in the department under QIP/ TEQIP/ University schemes.

Organizing Committee

Patron

Prof. J. P. Pandey

Hon'ble Vice Chancellor
M.M.M.U.T., Gorakhpur (U.P.)

Chairman

Dr. Shri Ram

Professor & Head
Civil Engineering Department
M.M.M.U.T., Gorakhpur (U.P.)

Coordinators

Dr. Pradeep Muley

Assistant Professor
Civil Engineering Department
M.M.M.U.T., Gorakhpur (U.P.)
and

Mr. Rohit Kumar

Assistant Professor
Civil Engineering Department
M.M.M.U.T., Gorakhpur (U.P.)

About RAEE-2021

The According to the latest seismic zone map of India, about 59 % of India's land area is vulnerable from moderate to severe seismic hazard, i.e., prone to shaking of MSK intensity VII and above. In the recent past, most Indian cities have witnessed the phenomenal growth of multi-storied buildings, super malls, luxury apartments and social infrastructures as a part of the process of development. A majority of the buildings constructed in India, especially in the suburban and rural areas, are non-engineered and built without adhering to the earthquake-resistant construction principles. Most of the contractors and masons engaged in the construction of these buildings are also not familiar with the Disaster Management features specified in the building codes. It is therefore, necessary to empower communities to ensure the seismic safety of the built environment by encouraging the use of simple, easy and affordable technical solutions and institutional arrangements. The purpose of this program is to provide the researcher with a basic understanding of Earthquake Engineering and Geotechnical Earthquake Engineering. This faculty development programme, will cover the understanding of Seismology and Earthquakes, ground motion, soil and site effects and the characterization of ground motion, Seismic Microzonation and Dynamics properties of soils The participants will learn about site amplification and attenuation of the ground motion how earthquake hazard influences seismic design.

Contents of the Course

- ❑ **Basic knowledge of earthquake Engineering**
- ❑ **Seismology and Earthquakes**
- ❑ **Site Investigation**
- ❑ **Ground improvement techniques**
- ❑ **Seismic Microzonation**
- ❑ **Liquefaction of Soils**

The resource persons for the FDP shall be the faculty members & eminent speakers from other IIT's / NIT's along with persons from the Industries.

Course Duration

One Week (September 20 - 24, 2021)

Eligibility Criteria

The program targets Faculty members, Engineers, PG students and Research Scholars. Limited to 200 participants on first come first served basis.

Important Dates

Last Date to Apply: September 05, 2021

Note: Please register early; don't wait for the last date as seats are limited.

Registration

The applicants are requested to get themselves registered through the following link:

<https://atalacademy.aicte-india.org/signup>

For any further query, you may contact:

Address for Communication

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[AICTE- Training and Learning \(ATAL\) Academy](https://atalacademy.aicte-india.org/)