



A One Week Online Faculty Development Programme (FDP) on

Fundamental of Geotechnical and Structural Engineering for Sustainable Infrastructure Development

(28th June – 2nd July 2021)

Petron and Convener

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Principal

Coordinator

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Organized by

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Sponsored by

AICTE Training and Learning (ATAL) Academy, (AICTE), New Delhi

Under the aegis of Commissionerate of Technical Education, Government of Gujarat, Gandhinagar, Gujarat State

About Faculty Development Program:

Civil Engineering is the major branch of engineering which deals with the Planning, Structural Design and analysis, Construction, Earthquake analysis, Maintenance etc. of the structures. This short-term training program is organized for following purposes:

To provide a forum for disseminations of advanced knowledge and information on fundamental aspects of geotechnical and structural engineering for sustainable infrastructure development for Scholars, Academicians, Researchers and Engineers.

To provide an arena for the sustainable infrastructure development for fulfilling the present need to grow this tribal region.

To act as a place for exchanges of new knowledge and experience, creations of cooperation networks in research among academicians, researchers and engineers for sustainable infrastructure development in geotechnical and structural engineering.

To provide the ample opportunity to participants in this one-week faculty development program in tribal area. The program is useful to civil engineers, faculty members, research scholars, post graduate students, industrialist and consultants.

Proposed Topics to be covered:

1. Recent development in structural engineering for Sustainable infrastructure
2. Soft computing techniques and the systems methodology in practice
3. Repair and retrofitting of structures
4. The durability of reinforced concrete structures
5. Dynamic of structures
6. Earthquake resistance design of structures
7. Displacement based design of structures
8. The use of smart materials in the infrastructures
9. Soil properties and its significance for foundation design
10. Fundamental of geosynthetic and reinforced earth structure
11. Soft ground behavior and its treatment
12. Design of shallow and deep foundation
13. Soil settlement and its interpretations
14. Soil water and its characteristics

Eligibility Criteria:

Participation in this FDP is open to the post graduate students, research scholars, and faculty members of civil engineering. It is also open to the Mathematicians, Scientists and Engineers who are working in the R&D organizations, industry and who wish to gain a basic understanding of the concepts involved in civil engineering.

GENERAL INFORMATION

The Institute and Dahod City

The institute, one of the pioneer engineering institutions of the state, was established in 2004. At present, there are five undergraduate courses and two postgraduate courses in mechanical and applied mechanics in the institute. The whole campus has connectivity of the internet with fiber optical network and Wi-Fi.

This is the major engineering institute which is located at Tribal Area Dahod, about 150 kms West of Vadodara and is on the main railway line between Delhi and Mumbai. The institute is about 1 km away from Dahod railway station and Dahod bus station.

About the Department

The department of applied mechanics started with establishment of institute. Most of all the equipment and instrument are required for performance of test relevant to applied mechanics is available along with the computer lab with appropriate software and internet connectivity. The department has qualified and dedicated faculty members with the

specialization in various areas like concrete technology, structure and earthquake engineering, soil mechanics, and foundation engineering, etc.

Registration: Free

This online Faculty development program is funded by AICTE Training and Learning Academy. So, there is no registration fee.

Resource Person:

Experts will be from reputed institute and industries.

Other Important Instructions for Participants:

The FDP will be conducted through online mode.

Participants willing to participate in this online FDP should have the provision of laptop/desktop/smart phone with good quality internet connections and other audio-visual facilities, as required for online training.

Participants interested to attend this program should register online through <https://atalacademy.aicte-india.org/login>.

Seats are limited and the participants are selected by organizers on first come first serve basis.

On completion of the course an objective/quiz-based assessment of all participants will be done.

Those who have an attendance of minimum 80% and score more than 60% in the test will be issued a digital certificate by the AICTE Training and Learning Academy.

Last date for registration form is 24th June, 2021 through <https://atalacademy.aicte-india.org/login>. Applicants will be informed about their selection by 26th June 2021 through e-mail.

For any query, feel free to contact:

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