



A One Week Online Faculty Development Programme (FDP) on

Advances in Concrete Technology and Sustainable Construction Practices

(21st Sept – 25th Sept – 2020)

Petron and Convener

Prof. (Dr.) P. K. Brahmhatt
Principal

Coordinator(s)

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Organized by
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Sponsored by

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

About Faculty Development Program:

Civil Engineering is the major branch of engineering which deals with the Planning, Design, 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 concrete technology and sustainable concrete practices for Scholars, Academicians, Researchers and Engineers.

To provide an arena for the sustainable construction practices through advanced concrete technology 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 development of constructional practices in advance concrete technology.

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. Sustainable Construction Practices: World Scenario
2. Advancement in Concrete Technology
3. Advancement in Admixtures and Curing Compounds
4. Advancement in Supplementing Cement Materials (SCMs)
5. Industrial Scenario for Restrengthening of Structures
6. Recent Trends in Special concrete: Green concrete
7. Sustainable Concrete Practices - Geo Polymer Concrete
8. Use of NDTs in concrete
9. Recent Development on Reactor Powder Concrete
10. Advancement in Light Weight concrete
11. Fiber Reinforced Polymer used as Retrofitting Technique.
12. Health Assessment in Constructional practices
13. Sustainable Concrete Practices - Recycled Concrete

Eligibility Criteria:

Participation in this FDP is open to the post graduate students, research scholars, and faculty members of civil and structural 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 and structural 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 Civil and Applied mechanics started with establishment of institute. Most of all the equipment and instrument are required for performance of

test relevant to civil and applied mechanics are 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, environment engineering, water resource management and transportation 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 workshop will be conducted through online mode.

Participants willing to participate in this online workshop should have the provision of laptop/desktop/smart phone with good quality internet connections and other audiovisual 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 17th September, 2020 through <https://atalacademy.aicte-india.org/login>.

Applicants will be informed about their selection by 18th September 2020 through e-mail.

For any query, feel free to contact:

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