



AICTE-ATAL sponsored Online Faculty Development Program on

## FRONTIERS IN SUSTAINABLE AND RESILIENT PRACTICES IN CIVIL ENGINEERING

09<sup>th</sup>-14<sup>th</sup> December 2024

Organized by: Department of Civil Engineering

**NATIONAL INSTITUTE OF TECHNOLOGY GOA**

### About NIT Goa

The National Institute of Technology Goa (NIT Goa) is a premier technical Institute of the region. NIT Goa was established in the year 2010 by an act of parliament (NIT act 2007) and it is declared as “Institute of National Importance”. NIT Goa is an autonomous institute functioning under the aegis of Ministry of Human Resource Development (MHRD), Govt. of India. The campus is located at Kottamoll Plateau, Cuncolim, South Goa, around 15 km from Madgaon Railway station and around 40 km from Dabolim Airport.

### About AICTE Training and Learning (ATAL Academy)

The AICTE ATAL academy, established by the Ministry of Education, Government of India envisions empowering faculty to meet the core goals of higher education-access, equity and quality. The primary objective of the ATAL academy is to support technical institutions in fostering research, innovation and entrepreneurship through training, to empower technical teachers and technicians using information and communication technology and to provide a variety of opportunities for training and exchange of experiences, such as workshops, orientations, learning communities, peer mentoring and other faculty development programmes.

### Broad Scope of the Program

The FDP is aimed at bringing together the academicians, researchers and professionals in various fields of Civil Engineering and equip them with cutting edge knowledge and practices that emphasize sustainability and resilience. The exchange of ideas from eminent experts will lead to enhance the state of art on the subject. The FDP will be beneficial to field engineers, research scholars and academicians. The FDP will be held in online mode on digital platform, which will be informed to the registered participants, in due course.

## Course contents

The FDP focuses on a wide range of issues of Civil Engineering to enhance the knowledge-base, increase awareness, explore new ideas and thinking. The technical sessions will consist of keynote lectures, in which, leading experts, academicians and researchers will present state-of-the-art reviews of rapidly developing and exciting areas, report the latest significant findings and developments in all the major fields of Civil Engineering, with emphasis on sustainability and resilience. The following major areas are in focus:

- Low-cost and sustainable construction materials and practices
- Sustainable waste management practices
- Circular economy in Geo-Environmental Engineering
- Impact of climate change on water resources management

Experts from Overseas, IITs, NITs, R&D institutes and Industry will handle the sessions.

## Eligibility of participants

Post Graduate students (only AICTE approved Institutions), Research scholars, Faculty members or Industry professionals are only eligible to participate in the program.

## Guidelines

- The FDP consists of 13 sessions spread over 6 days, from 6 pm-9 pm
- Candidates interested in the program may register through the link: **<https://atalacademy.aicte-india.org/login>**
- Last date of registration: 02<sup>nd</sup> December 2024
- Registration is free for all participants
- Prior registration is mandatory for attending the FDP
- At the end of the program, an online assessment will be conducted for the participants.
- E-certificates will be issued to participants who achieve atleast 80% attendance and a minimum score of 60% for the assessment.

## Mode

The workshop will be organized through Cisco Webex, followed by an online assessment. The joining link will be shared with the participants, well in advance.

**Chief Patron:** Prof. Dr. O R Jaiswal, Director, NIT Goa

**Co-ordinator:** Dr. Harikumar M, Head of the Department, Civil Engineering

**Co-coordinator:** Dr. Prasenjit Dey, Head of the Department, Mechanical Engineering

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