

ABOUT THIS COURSE

Growing environmental concern arising from construction activities has made Concept of Sustainability essential for professionals and researchers. Sustainable Construction Technologies include but are not limited to use of alternate raw materials, construction using indigenous products, reduction of wastage, efficient building plan design and use of green construction techniques.

This course aims to expose the environmental challenges associated with construction industry, and their management using sustainable construction technologies. This course will cover the use of alternate/green materials, green construction techniques, Life Cycle Assessment, and other similar sustainable construction technologies.

WHO SHOULD ATTEND?

The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats / Technicians / Participants from Industry etc.)/School Teachers, including the staff of IIT Indore.

The course is an **elementary level course**. The content and teaching methodology has been adopted as such, that no prior knowledge is required and participants from all walks of engineering can gain knowledge in this field.

REGISTRATION

Maximum 200 participants will be allowed to register for the FDP. Registration will be on first come first serve basis.

No registration fee will be charged from the participant.

For registration, please visit the URL below:

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

ONLINE FDP

All sessions will be conducted online, details for which will be communicated with confirmation of registration.

IMPORTANT DATES

Last date of application	16 th July 2021
Confirmation of registration	19 th July 2021



Indian Institute of Technology Indore
भारतीय प्रौद्योगिकी संस्थान इन्दौर

Department of Civil Engineering

Announces

An online 5-day

**AICTE Training and Learning
Faculty Development Program
(ATAL-FDP)**

on

**Sustainable
Construction Technology**

(July 26, 2021 – July 30, 2021)



Sponsored by



**AICTE Training and
Learning (ATAL) Academy**



COURSE SCHEDULE

	Session 1 (10.00 AM to 12.00 PM)	Session 2 (1.30 PM to 3.30 PM)	Session 3 (4.00 PM to 6.00 PM)
Day-1	Introduction to sustainable construction technology	Agriculture waste utilisation for sustainable construction	Industrial waste utilisation for sustainable construction
Day-2	Engineered cementitious composites for sustainable construction	Sustainable pavements - utilization of waste fillers	Precast and prefabricated construction
Day-3	Sustainable unfired bricks – lab demonstration of product development	3D printing for sustainable construction	GRIHA rating of sustainable buildings
Day-4	Energy Efficient Building Design	Key sustainability indicators	Building information modelling
Day-5	Industrial experiences of sustainable construction practices	Stress management – simple and effective strategies	Valediction

CERTIFICATE

An Online Test will be conducted at the end of the program. The certificates shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

FOR CORRESPONDENCE CONTACT

Course Coordinator

Prof. Sandeep Chaudhary

Professor, Department of Civil Engineering

Indian Institute of Technology Indore

E-mail: schaudhary@iiti.ac.in

Phone: 0731-2438700 (O) Extension Code – 3256

ABOUT THE INSTITUTE

Indian Institute of Technology Indore located in Madhya Pradesh, known as IIT Indore or IITI, is an institute of national importance established by the Government of India in 2009. IIT Indore is one of the eight new IITs, established in keeping with India's vision to become a world leader in Science and Technology and to usher in a new revolution. The institute offers different courses in Basic Sciences, Humanities and Social Sciences and Engineering.

ABOUT THE DEPARTMENT

The Department of Civil Engineering started functioning in 2016. The Department offers a four-year course leading to a Bachelor's Degree in Civil Engineering and Ph.D. in Civil Engineering. The Department is involved in research projects funded by the different national and international agencies as well as in consultancy projects funded by prestigious government and private organisations throughout the country. The Department has an active and dynamic faculty with expertise in diverse fields of Civil Engineering. The faculties of the Department have been recognised at different platforms across the world as committee chairs/members, outstanding reviewers, editorial board members. The Department looks forward to establishing itself, nationally and globally, as a premier academic centre.

