

DTE Sponsored Six Days Faculty  
Development Programme on

# Digitalization in Civil Engineering

15th to 20th January, 2024



## Organised by

Department of Civil Engineering  
Rajiv Gandhi Institute of Technology  
Government Engineering College, Kottayam  
Velloor PO, Pampady, Kottayam – 686501

[www.rit.ac.in](http://www.rit.ac.in)

## About the Institution

Rajiv Gandhi Institute of Technology, Kottayam, named after late Prime Minister Rajiv Gandhi started functioning in the year 1991. The college is affiliated to the APJ Kerala Technological University. The Institute is owned and managed by the Government of Kerala. The Government started this institution with the view of making it a centre of excellence for post-graduation and research studies. Over the years, the institution has emerged as one of the premier institutes for technical education in the state with good infrastructure and a team of dedicated faculty.

The Institute currently offers 7 undergraduate and 9 post graduate programmes, Ph. D and MCA programmes. The college is situated at Nedumkuzhy, 15 km away from Kottayam railway station on NH 183 (KK road).

## About the Department

The Department of Civil Engineering has been in existence since the inception of RIT. The Department offers B.Tech programme in Civil Engineering and two M.Tech programmes in Transportation Engineering, and Structural Engg. & Construction Management. The Department is also an approved research centre under APJKTU and is recognized as a Quality Improvement Programme centre for PhD by AICTE.

## Vision

To be a Centre of high-quality academic programmes, consultancy, extension services in civil engineering.

## Mission

Develop and deliver undergraduate, postgraduate, and research programmes capable of evolving various sustainable habitat and infrastructural solutions  
Execute better pedagogic practices.  
Build up better facilities.  
Encourage constant knowledge upgradation to staff.

## Course Description

The main objective of this FDP is to enhance knowledge and understanding in the area of digital technologies, automations and Artificial intelligence in Civil Engineering. This FDP would benefit the faculty and researchers about the recent trends in this area. The sessions include technical presentations by experts from academic institutions and industry.

## Course Content

- Introduction to Digital Technologies
- 3-D printing technology in Concrete
- Building Information Modeling (BIM)
- LEAN construction
- Structural Forensic Inspection
- Augmented reality in construction
- Applications of AI, ML and Deep Learning
- Fundamentals of GIS and Applications in civil engineering
- Stress management

## Important Dates

Start Date of Registration:	30th December,2023
Last Date of Registration:	10th January, 2024
Selection Intimation:	13rd January, 2024
Dates of FDP:	15th to 20th January 2024

## Who can apply?

Faculty of Engineering Colleges and Polytechnic Colleges, Research Scholars and Persons from Industry.

## Registration fees

There is no registration fee for faculty from Govt. /Aided/ Govt. Controlled institutions. A nominal fee of Rs. 1000/- will be collected from faculties of private self-financing colleges and persons from Industry. The details of the fee payment are as follows

**A/C Name: Sneha S**

**Account Number: 2779101006677**

**IFSC Code: CNRB0002779**

**Bank Name: Canara Bank**

**Branch: Ericauid, Vettathukavala**

## How to register?

Department candidates apply through DTE Portal before the last date

<http://admissions.dtekerala.gov.in/tpms>

Other participants please fill up the Registration form before the last date:

<https://forms.gle/PQTPRc8mpYKEsKhq9>

Note: All candidate must upload a scanned copy of Registration Form along with the Sponsorship Certificate duly signed by the Head of the Institution. Faculty of self-financing colleges and persons from Industry, must pay the registration fee and upload the same.

## Resource Persons

### Prof. Manu Santhanam

Professor, Department of CE, IIT Madras

### Dr. Ranjith K Soman

Assistant Professor, Delft University of Construction

### Er. Dilba R. K.

OUC | Liverpool John Moores University

### Dr. T. Palanisamy

Associate Professor, Department of CE, NIT Karnataka

### Dr. Mahesh Balasubramani

Programme Director- ACM, NICMAR, Hyderabad

### Dr. Vishnu Baburajan

Lead Data Scientist, Nissan Digital India LLP

### Dr. Nivin Philip

Professor, Saintgits College of Engineering

### Prof. Vinay Mathews

Assistant Professor, CCET, Punnapra

### Dr. Abin Varghese

School of Environmental Sciences, MG University

### Ms. Jisha Joseph

Trainer, ADP India

## Coordinators

### Prof. Sneha S

Assistant Professor in Civil Engineering  
RIT Kottayam  
Mobile No.: 9496464818  
Email: snehasn88@rit.ac.in

### Prof. Vani Prasad

Assistant Professor in Civil Engineering  
RIT Kottayam  
Mobile No.: 9400768285  
Email: vaniprasad@rit.ac.in

## Advisory Committee

**Dr. Prince A**, Principal, RIT Kottayam

**Dr. Vinish V Nair**, Professor & HoD CE, RIT Kottayam

**Prof. Geeva George**, Centre Coordinator, RIT

**Dr. Dhanya B.S.**, Associate Professor, RIT Kottayam

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**Six days FDP on Digitalization in Civil Engineering**  
**(15th – 20th January, 2024)**

## REGISTRATION FORM

Name:

Designation:

Address:

Phone:

Email:

Date:

Signature of Candidate

Note: No TA/DA will be provided for the participants

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## SPONSORSHIP CERTIFICATE

Prof./Dr./Mr./Ms.....

..... is an employee of our institute and he/she is sponsored for the six days FDP on Digitalization in Civil Engineering. He / She will be permitted to attend the course if selected.

Date:

Signature of the Head of Dept./Institution

Office Seal