

DEPARTMENT OF CIVIL ENGINEERING  
TKM INSTITUTE OF TECHNOLOGY

**CONCEPTUAL APPROACH TO  
STRUCTURAL ANALYSIS AND  
DESIGN**

**16<sup>TH</sup> - 20<sup>TH</sup> JANUARY, 2023**

REGISTRATION FORM

Name:

Gender:

Qualification :

Designation :

Department :

Institution :

Address for communication :

Phone :

Email:

**Declaration**

The above mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the course. I also undertake the responsibility to inform the coordinator in advance, in case I am unable to attend the course.

Place

Date

Signature

KTU SPONSORED

5 days

FACULTY DEVELOPMENT PROGRAMME

**CONCEPTUAL APPROACH TO  
STRUCTURAL ANALYSIS AND  
DESIGN**

**16<sup>TH</sup> - 20<sup>TH</sup> JANUARY, 2023**

SPONSORSHIP CERTIFICATE

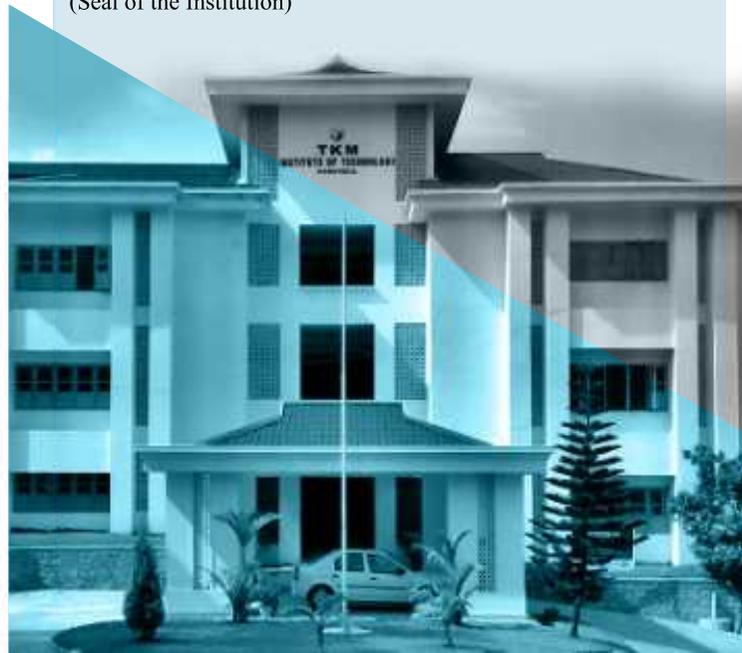
Dr./Mr./Ms, .....  
is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on "CONCEPTUAL APPROACH TO STRUCTURAL ANALYSIS AND DESIGN" Sponsored by APJ Abdul Kalam Technological University, organized by Department of Civil Engineering, TKM Institute of Technology, Ezhukone from 16<sup>th</sup> January to 20<sup>th</sup> January, 2023.

Place:

Date:

Name & Signature  
(Principal)

(Seal of the Institution)



KTU SPONSORED

5 days

FACULTY DEVELOPMENT PROGRAMME

**(OFFLINE)**

**Organized By**

**DEPARTMENT OF  
CIVIL ENGINEERING**

**CONCEPTUAL APPROACH TO  
STRUCTURAL ANALYSIS AND  
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**16<sup>TH</sup> - 20<sup>TH</sup> JANUARY, 2023**



**TKM INSTITUTE OF  
TECHNOLOGY**  
MUSALIAR HILLS, KARUVELIL P.O, EZHUKONE, KOLLAM

## About Us

T.K.M. Institute of Technology was established in 2002 by the T.K.M. College Trust and is located on a verdant 25-acre campus known as Musaliar Hills at Karuvelil, Kollam. The institute is now affiliated to APJ Abdul Kalam Technological University, Kerala offering six B.Tech courses (Biomedical Engineering, Civil Engineering, Computer Science & Engineering, Electrical and Electronics Engineering, Food Technology, Mechanical Engineering) and two Post Graduate programmes (Computer and Information Science, VLSI and Embedded Systems).

## About Dept. of Civil Engineering

The Department of Civil Engineering is established in the year 2012. During its journey from the inception it has become one of the promising departments of TKM Institute of Technology with its academic excellence. The department pulls out all stops to create outstanding engineers with advanced teaching techniques and learning aids for undergraduate students. Qualified and dedicated faculty and skilled supporting staff are the back bone of the department. Students are not only made experts in technical aspects but also in interpersonal skills, a vital ingredient to excel in the fast-paced world. Civil Engineering programme of TKMIT is accredited by the **National Board of Accreditation (NBA)**.



## Vision of The Department

To develop technically competent and ethically strong professionals in Civil Engineering for the service of the society.

## Mission of The Department

- Impart knowledge in Civil Engineering and allied fields through excellent teaching- learning process.
- Acquaint students to cutting edge technologies to face professional challenges and prepare for lifelong learning.
- Equip the students for the sustainable development with social responsibility and professional ethics.
- Inculcate skills in research, innovation, leadership and entrepreneurship among students.

## About FDP

Structural analysis is a branch of Solid Mechanics which uses simplified models for solids like bars, beams and shells for engineering decision making. Structural design is the methodical investigation of the stability, strength and rigidity of structures. The basic objective in structural analysis and design is to produce a structure capable of resisting all applied loads without failure during its intended life. This FDP aims to get an idea about basics and application of both structural analysis and design in civil engineering field.

## Topics Covered

- Fundamentals of Structural Analysis
- Design of Reinforced Concrete Structures
- Design of Steel Structures
- Prestressed Concrete
- Concrete Bridge Design
- Some Case Studies in Structural Engineering Practice

## Resource Persons In FDP

Dr. Praveen Nagarajan, NIT Calicut  
Dr. A S Sajith, NIT Calicut  
Dr. Mithra D C, CET  
Dr. Sajeeb R, TKMCE  
Dr. Chinsu Merina Joy, TKMCE  
Dr. Bharati Raj, NSS Palakkad  
Dr. Keerthy M Simon, NSS Palakkad  
Dr. Saraswathy B, TKMIT  
Dr. Narayanan S, Marian Engineering College  
Dr. Lalu Mangal, TKMCE (Retired)

## Course Coordinators

**Ms. Nitha Raj**  
Assistant Professor  
Dept. of Civil Engineering  
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[nitharaj@tkmit.ac.in](mailto:nitharaj@tkmit.ac.in)

**Ms. Roshni Roy**  
Assistant Professor  
Dept. of Civil Engineering  
Mob: +91 94978 16027  
[roshniroy@tkmit.ac.in](mailto:roshniroy@tkmit.ac.in)

## Eligibility

Faculty members and research scholars from colleges affiliated to APJ Abdul Kalam Technological University are eligible to attend the programme.

**NO REGISTRATION FEE**

ONLINE REGISTRATION DETAILS  
Registration shall be done through the link

<https://forms.gle/ovGW315KrkjCfcNyz7>

