

## REGISTRATION DETAILS

Commencement of registration : 10<sup>th</sup> March 2021  
Last date for the registration : 8<sup>th</sup> April 2021  
Intimation of selection via E-mail : 12<sup>th</sup> April 2021  
Confirmation of participants via E-mail : 15<sup>th</sup> April 2021  
Commencement of the Programme : 19<sup>th</sup> April 2021

## ONLINE REGISTRATION

The link for registration is as follows :

<https://forms.gle/5WjQPRvTzU3fUSAF9>

The participants shall also fill in the sponsorship form duly approved by the sponsoring authority and forward to [civiltist@gmail.com](mailto:civiltist@gmail.com) by 16<sup>th</sup> April 2021

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Sponsored

## Faculty Development Programme on *Emerging Trends in Structural Health Monitoring Procedures*

APRIL 19-23, 2021

## SPONSORSHIP CERTIFICATE

Certificate that Mr./Ms./Dr.....  
is a faculty of our institution and he/she is sponsored to attend the online Faculty Development Programme on “*Emerging Trends in Structural Health Monitoring Procedures*” at Toc H Institute of Science and Technology during the period 19<sup>th</sup> - 23<sup>rd</sup> April, 2021

He/She will be permitted to attend the course, if selected.

Place:

Date:

the Applicant

Signature of

Signature

of Sponsoring  
Authority with seal

## ORGANISING COMMITTEE

### Chief Patron

**Dr. K Varghese**  
Founder Director & Manager, Toc H Public School Society

**Dr. Alex Mathew**  
President, Toc H Public School Society

**Mr. K A Simon**  
Secretary, Toc H Public School Society

**Mr. N J Johnson**  
Treasurer, Toc H Public School Society

### Patron

**Prof. (Dr.) Preethi Thekkath**  
Principal, Toc H Institute of Science & Technology (TIST)

### Course Coordinators

**Prof. Lathi Karthi**  
HOD, Department of Civil Engineering, TIST

**Assoc.Prof. (Dr.) Vasudev R**  
Department of Civil Engineering, TIST

**Contact us :** 7012589210, 9995907604  
Mail ID : [civiltist@gmail.com](mailto:civiltist@gmail.com)

### Faculty Members

<b>Assoc. Prof. Dr. Smitha K K</b>	<b>Asst. Prof. Tellma John</b>
<b>Asst. Prof. Sangeetha S</b>	<b>Asst. Prof. Jesna N M</b>
<b>Asst. Prof. Mary Dhanya</b>	<b>Asst. Prof. Anue Marry Mathew</b>
<b>Asst. Prof. Anju Paul</b>	<b>Asst. Prof. Archana C P</b>
<b>Asst. Prof. Sahimol Eldhose</b>	<b>Asst. Prof. Anjita N A</b>
<b>Asst. Prof. Annie Sonia Xavier</b>	<b>Asst. Prof. Chithra C J</b>
<b>Asst. Prof. Elba Helen George</b>	<b>Asst. Prof. Anjaly M</b>
<b>Asst. Prof. Vidya Jose</b>	



## ONLINE FACULTY DEVELOPMENT PROGRAMME

on

## EMERGING TRENDS IN STRUCTURAL HEALTH MONITORING PROCEDURES

APRIL 19-23, 2021



Organised by



Department of Civil Engineering

**Toc H INSTITUTE OF SCIENCE & TECHNOLOGY**  
Arakkunnam, Ernakulam, Kerala ☎ 0484 2748388 ✉ [mail@tistcochin.edu.in](mailto:mail@tistcochin.edu.in) [tistcochin.edu.in](http://tistcochin.edu.in)

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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY  
CET CAMPUS, THIRUVANANTHAPURAM,  
KERALA-695016

## ABOUT TIST

Toc H Institute of Science and Technology (TIST), established in 2002, embellished with dynamic management, diligent and dedicated faculty and promising cream of the student community, is today a name to reckon with among the comity of Engineering Colleges in Kerala, making giant strides in all engineering branches and management studies. The college offers nine graduate and seven post graduate programmes. Toc H, a pioneer in education, offers blended learning programs combining on-line learning through virtual classrooms, world-class learning materials, ensuring holistic development, thereby serving as an active growth-driver and home to a diverse community of innovators and entrepreneurs. Toc H is affiliated to APJ Abdul Kalam Technological University, Kerala, India and approved by the All India Council for Technical Education (AICTE), New Delhi and Government of Kerala. TIST is accredited by NAAC (National Assessment and Accreditation Council) with NBA (National Board of Accreditation) accredited UG programs (CE, CSE, ECE & ME) and ISO 9001:2015 Certification which ensure top-quality learning environment.

## ABOUT DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering, TIST (Estd. 2006) offers Under Graduate programme B.Tech in Civil Engineering (NBA accredited upto 2023) and Post Graduate programme M.Tech in Construction Engineering and Management. The department continues to conquer new frontiers of knowledge through quality research work, Conference, QIP and FDP programmes for enhancing the Teaching Learning process and moulds the students to be change agents with high professionalism, ethics and sustainability in addition to the curriculum objectives. The department is in

close association with Institution of Engineers (IE), Indian Society for Technical Education (ISTE) and has an active student chapter of Indian Concrete Institute (ICI) and Indian Green Building Council (IGBC). The design wing "Rachana" of the department takes up research and consultancy work to offer technical advisory support to various leading organizations like STICON, PWD, KWA etc. The department also undertakes socially relevant projects like Rebuild Kerala, projects of Irrigation Department (Govt. of Kerala) and development programmes for local municipalities through which students learn humanitarian concept and their duties towards the society. The department focuses on emerging as a center of excellence in the field of cost-effective green building.

## VISION OF THE DEPARTMENT

To transform into a centre creating change agents in civil engineering with professional competency, integrity and ethical values for serving the society with the highest level of proficiency through their chosen domain.

## MISSION OF THE DEPARTMENT

- Provide ambience to create civil engineers of global standards to serve the society collaboratively, competently and ethically.
- To provide an academic environment for lifelong learning nurturing the skills in research and development for the benefit of all stakeholders.
- To inculcate professionalism in students through team work, effective communication and leadership skills.
- To encourage and empower the faculty in the field of engineering education and mentoring for enhancing the teaching - learning process.
- To impart hands on experience to aspiring undergraduates through interdisciplinary research projects, industrial training and consultancy work.

## ABOUT FDP

The FDP aims at addressing the significance of sustainable developments in construction by understanding the health of existing structures in this modern era.

The objective of this programme is to empower practicing engineers and teachers, so that they can apply the scientific practices of Structural Health Monitoring (SHM) & to arrive at effective and sustainable solutions. The key areas included in the FDP are performance enhancement, detailed discussion of the degradation mechanism emphasising the causes of degradation, assessment strategies and legal aspects involved and compelled demolition of structures.

## RESOURCE PERSONS

Eminent personalities from IITs, NITs, other recognized institutions and industry will be handling the sessions.

## BROAD AREAS OF DISCUSSION

1. Performance enhancement of structures
2. External factors influencing the degradation of structures
3. Assessment strategies of structures
4. Longevity aspects and repair strategies
5. Need for performance based design philosophy
6. Legal aspects connected to failure of structures
7. Demolition of structures

## TARGET AUDIENCE

The FDP is open to faculty members of APJ Abdul Kalam Technological University (KTU) affiliated Engineering colleges. E-Certificate will be issued to all the participants who attend FDP through online mode on all days.