

APJ ABDUL KALAM
TECHNOLOGICAL UNIVERSITY
SPONSORED

FACULTY DEVELOPMENT
PROGRAMME ON
**"FORENSICS IN STRUCTURAL AND
GEOTECHNICAL ENGINEERING"**
15th-19th March, 2021
SPONSORSHIP CERTIFICATE

Certified that Mr./Ms./Dr..... is
a faculty of our institution and he/she is sponsored to
attend the online Faculty Development Programme
on "FORENSICS IN STRUCTURAL AND GEO-
TECHNICAL ENGINEERING" at Albertian Insti-
tute of Science and Technology during the period
15th-19th March, 2021.

He/She will be permitted to attend the course, if se-
lected.

Place:

Date:

Signature of the Applicant

Signature of Sponsoring
Authority with seal

Registration link :

<https://forms.gle/ey16fopxgywysqKj8>

Registration fee : NIL



NB: Interested candidates shall send an advance copy of the ap-
plication by email, duly countersigned by the Head of the De-
partment, to avoid procedural delay. The FDP will be held
through online platform, details of which will be shared later.

Patrons

Rev.Fr. Denny Mathew Peringatt, Manager
Rev.Fr. Joseph Rajan Kizhavana, Associate Manager

Convenor

Prof. Dr. S Jose
Principal, AISAT

Co-convenor

Prof. Dr. Benny Mathews Abraham
HOD, Department of Civil Engineering

Co-ordinators

Prof. Liji Anna Mathew
Prof. Sheeja M.K

IMPORTANT DATES

Commencement of registration: 15.02.2021
Last date for the receipt of application: 10.03.2021
Intimation of selection via mail: 11.03.2021
Confirmation of participants via E-mail: 12.03.2021
Commencement of the programme: 15.03.2021

The duly filled sponsorship certificate may be sent to:
fdpaisat@gmail.com

For more details contact: **6282557286,9446488405**



APJ ABDUL KALAM
TECHNOLOGICAL UNIVERSITY

SPONSORED

**FIVE DAYS ONLINE
FACULTY DEVELOPMENT
PROGRAMME**

on

**FORENSICS IN STRUCTURAL
AND
GEOTECHNICAL ENGINEERING**

15th -19th March, 2021

Organized by ,

Department of Civil Engineering
Albertian Institute of Science & Technology,
AISAT-Technical Campus, School of Engineering
Kalamassery, Kochi-682022

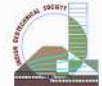
In association with

ICI Kochi Centre



ICI-Kochi Centre

IGS Kochi Chapter



Kochi Chapter

ABOUT AISAT

AISAT is a leading educational institution offering quality education in the field of engineering. The institution is spread over a picturesque area in a beautiful and serene atmosphere ideally suited for technical education. AISAT has a well-structured infrastructure of international standards to help the students to creatively apply scientific principles to design or develop structures and machines.

ABOUT THE DEPARTMENT

The Department of Civil Engineering (CED) has been in existence since the inception of AISAT and is continually upgrading in terms of academic programs and research infrastructure to produce "engineers" and not engineering graduates. Besides having well qualified and ingenious faculty the statuesque ambience attracts the best of students for both Bachelors and Masters Programs. Laboratories are well equipped with modern sophisticated instruments to tackle new challenges in research. Liaison with professional societies like IGS, ICI, GRACE, APS, BAI, etc. has enabled the department to keep well equipped with modern sophisticated instruments to tackle new challenges in research. Liaison with professional societies like IGS, ICI, GRACE, APS, BAI, etc. has enabled the department to keep pace with technology

VISION

To create technically competent and industry ready Civil Engineers having innovative and leadership qualities to serve the society and nation

MISSION

- Provide technical skills par excellence to face the challenges in the field of civil engineering.
- Promote innovative and original thinking in the minds of budding engineers
- Generate research opportunities by undertaking collaborative projects through institute industry interaction.
- Create quality engineers to provide solutions to the emerging societal problems and advance entrepreneurial ventures.

ABOUT THE FDP

Engineering failures get a lot of attention—inciting morbid curiosity and fueling concern over the condition of our infrastructure. But every engineering loss is the start of a forensic investigation into how, why, and what can be done to prevent future failures. As with scientific failures, engineering failures can be very instructive in teaching us what does not work. This faculty development course will focus on the forensic aspects of structural and geotechnical engineering practice and it will provide the participants with the basics for the investigation of failures and understanding some of the pertinent legal aspects, and to prepare them for the eventual practice of forensic structural engineering. Course participants will learn these topics through online lectures and case studies that reinforce their understanding, and also get an exposure to the avenue for further research.

RESOURCE PERSONS

Eminent personalities from IITs, NITs, CUSAT and industry will be handling the sessions

OBJECTIVES

- 1.To make the participants conversant with principles of forensic investigations.
- 2.To provide a better understanding of the cause or causes of failure of structures, and to facilitate the participants to figure out how to prevent similar losses in the future.
- 3.To impart learning based on case studies on structural and geotechnical forensics.

COURSE CONTENT

- 1.Role of a forensic engineer
- 2.Structures, structural distress, and the importance of standards and codes
- 3.Construction deficiencies
- 4.Diagnostics of structural damages
- 5.Diagnostics of geotechnical damages
- 6.Forensic structural analysis & failure assessment
- 7.Materials and techniques for repair
- 8.Safety and precautions
- 9.Case studies
- 10.Testing methods

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.