

## ABOUT THE FDP

The Six-Day Faculty Development Programme (FDP) on “Smart Infrastructure: Structural Health Monitoring, Artificial Intelligence and Digital Technologies” will be conducted from 22/06/2026 to 27/06/2026. The programme focuses on recent advancements in structural engineering and infrastructure systems. It aims to provide knowledge on modern approaches for infrastructure assessment, monitoring, and maintenance. The FDP highlights the role of intelligent and digital practices in sustainable infrastructure development. Experts from academia, research organizations, and industry will deliver sessions on emerging trends and practical applications. Participants will gain exposure to innovative methodologies, case studies, and current research opportunities. The programme is intended to strengthen academic, research, and professional competency in smart infrastructure systems. It will benefit faculty members, research scholars, postgraduate students, and practicing engineers.

## OBJECTIVES OF THE FDP

- To provide an understanding of recent advancements in smart infrastructure and structural engineering practices.
- To familiarize participants with modern approaches for structural assessment, monitoring, and maintenance.
- To introduce intelligent and digital techniques used in infrastructure management and decision-making.
- To promote awareness of sustainable and resilient infrastructure development practices.
- To enhance research, teaching, and professional competency in emerging areas of structural engineering and smart infrastructure systems.

## ORGANISING COMMITTEE

### CHIEF PATRON

**Shri. Baby Thomas**

Chairman, MBITS

**Shri. Binoy M Thomas**

Secretary, MBITS

**Shri. K P George**

Treasurer, MBITS

**Dr. Shajan Kuriakose**

Director, MBITS

### PATRON

**Dr. Thomas George**

Principal, MBITS

### CONVENOR

**Prof. Manju George**

HOD, Department of Civil Engineering,  
MBITS

### COORDINATOR

Prof. Vidya Vijayan

+91-8138827243

### JOINT COORDINATOR

Prof. Anna M Thomas

+91-9744188951

civilengg@mbits.ac.in

Mar Baselios Institute of Technology and Science

6 DAYS [HYBRID MODE]

FACULTY DEVELOPMENT PROGRAM

ON

# Smart infrastructure: Structural Health Monitoring, Artificial Intelligence and Digital Technologies

22<sup>ND</sup> TO 27<sup>TH</sup> JUNE 2026

Organized by

DEPARTMENT OF CIVIL ENGINEERING



MAR BASELIOS INSTITUTE OF  
TECHNOLOGY AND SCIENCE  
(MBITS)

KOTHAMANGALAM



## ABOUT MBITS

MBITS Engineering College, a premier institution started in 2009 under Mar-Thoma cheria-pally, Kothamangalam, that is committed to providing quality education to students who are passionate about pursuing a career in engineering. We take pride in the fact that we are accredited by the National Assessment and Accreditation Council (NAAC), an autonomous body established by the University Grants Commission (UGC) of India to assess and accredited institutions of higher education in the country. Our motto, "Wisdom Crowns Knowledge", reflects our belief that true knowledge is not just about what you learn in the classroom, but also about how you apply that knowledge in real-world situations. At MBITS, we strive to provide our students with a holistic learning experience that goes beyond academic excellence. We aim to develop future leaders who are not just skilled engineers but also responsible citizens with a strong sense of social and ethical values. In recent years, the college has organized many programs of national importance; in hosting Smart India Hackathon, IEEE etc., and achieved national and international awards; Zee Edu future Excellence Award 2021- 2022, New Code of Education Award 2021&2022, India Global Award, National Happiness Unicorn Award 2022, Best Principal award 2021 by CEGR, The international Business award 'The stevies-2022'

## ABOUT THE DEPARTMENT

The Department of Civil Engineering was started in the year 2009 with an undergraduate program affiliated to MG University, Kottayam, Kerala with a sanctioned intake of 60 students, headed by Prof. M. V George. In 2012, the department started an M.Tech programme in Computer Aided Structural Engineering with an intake of 24 students and in 2013 expanded its domain by doubling the intake to B. Tech programme from 60 to 120 seats. The department is blessed with highly qualified, experienced and dedicated faculty members, without whom the achievements were never possible. The department has state of the art laboratories with vast area, machinery, equipment and other facilities. In addition to high quality teaching and instruction, the department offers technical consultancy services also. Testing facilities are provided for different construction materials in our laboratories. The department has a separate library with more than 200 books and a large number of journals essential and useful to both teachers and students.

# RESOURCE PERSONS



**Dr. Katta Venkataramana**  
AICTE Distinguished  
Professional and Professor  
(rtd), NITK, Surathkal



**Dr. Palanisamy T**  
Associate Professor,  
NITK, Surathkal



**Dr. Ann Francis**  
Assistant Professor,  
IIT Delhi



**Dr. Sudha Das P**  
Assistant Professor,  
NIT Calicut



**Dr. Vishnu R**  
Assistant Professor,  
NIT Warangal



**Dr. Manu S Nadesan**  
Assistant Professor,  
NIT Agartala, Tripura



**Dr. Elson John**  
HOD(CE),  
MACE



**Dr. Nivin Philip**  
Professor, Saintgits  
College of Engineering



**Dr. Basil Baby**  
L& T Chennai



**Ms. Shimol Philip**  
Senior Research Fellow,  
National Institute of  
Technology Puducherry



**Prof. Jobil Varghese**  
Assistant Professor,  
MBITS



**Prof. Deepthy Varkey**  
Associate Professor ,  
MBITS

## MISSION OF THE DEPARTMENT

- To impart quality education in civil engineering and allied fields
- To inculcate knowledge of sustainability in various domains of infrastructure development
- To nurture civil engineers, with core values to cater societal needs
- To equip the graduates conversant to research and practical fields of civil engineering to meet global standards

## OUTCOMES OF THE FDP

- Understand the emerging concepts and recent advancements in smart infrastructure systems and structural engineering practices.
- Gain knowledge of modern approaches for assessing the safety, serviceability, and performance of engineering structures.
- Explore innovative and intelligent methods for infrastructure monitoring, maintenance, and decision-making.
- Strengthen analytical, research, and problem-solving skills related to sustainable and resilient infrastructure development.
- Enhance teaching, academic, and professional competency in emerging trends of structural engineering and digital transformation in infrastructure systems

## VISION OF THE DEPARTMENT

Evolve as a centre of excellence, moulding civil engineering professionals

CONTACT  
US

+91-8138827243

Mar Baselios Institute of Technology  
and science  
Nellimattom P.O Kothamangalam  
Ernakulam, Kerala , 686693

civilengg@mbits.ac.in

www.mbits.ac.in

CLICK HERE FOR  
REGISTRATION

REGISTRATION FEES  
RS 250/-



<https://shorturl.at/AdlJ2>