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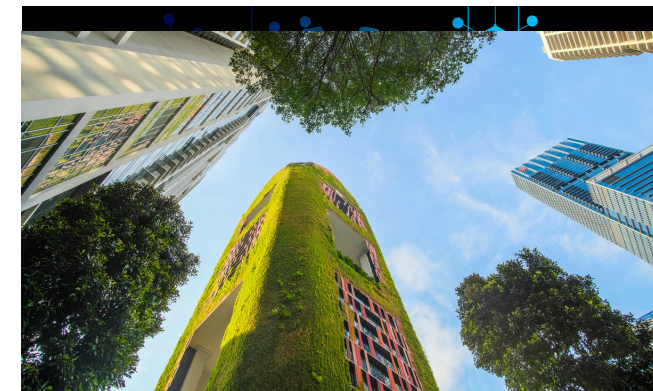
Mar Baselios Institute of Technology and Science



**AICTE SPONSORED 6-DAY FDP
ON**

SUSTAINABLE CONSTRUCTION TECHNOLOGIES FOR MITIGATING NATURAL DISASTERS

16th - 21st NOVEMBER 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 accredit 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 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.

VISION OF THE DEPARTMENT

- Evolve as a centre of excellence, moulding civil engineering professionals

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

EXPECTED OUTCOME OF FDP

- Gain a clear understanding of sustainable construction technologies and disaster mitigation strategies
- Ability to apply modern tools like GIS and FEM in engineering analysis and design
- Enhanced knowledge of eco-friendly and innovative construction materials
- Improved capability to incorporate updated technical concepts into teaching and curriculum
- Development of problem-solving and critical thinking skills in real-world scenarios
- Strengthened research aptitude and innovation in sustainable engineering practices
- Exposure to practical applications through hands-on sessions and industrial visits
- Ability to contribute effectively to the design of safe, resilient, and sustainable infrastructure
- Improved collaboration and teamwork skills through group activities and discussions
- Increased confidence in handling real-time engineering challenges and decision-making

ABOUT THE FDP

The Faculty Development Programme (FDP) titled "Sustainable Construction Technologies for Mitigating Natural Disasters" is a six-day academic initiative designed to enhance the knowledge and skills of faculty members and professionals in the field of civil engineering. Conducting from 16/11/2026 to 21/11/2026, the FDP includes expert lectures, technical sessions, hands-on training, and an industrial visit to KLAR Konkrete Ready Mix Concrete Plant, Kothamangalam. The programme covers advanced topics such as additive manufacturing, green building materials, landslide mitigation, geotextiles, disaster-resilient design, GIS and FEM applications, and sustainable material characterization. Interactive components like article discussions, MCQs, and reflection journals further enrich the learning experience.

OBJECTIVES OF THE FDP

- To provide comprehensive knowledge on sustainable construction technologies and their role in mitigating natural disasters
- To introduce participants to recent advancements in materials, including green and eco-friendly construction products
- To enhance understanding of disaster-resilient structural design and infrastructure planning
- To familiarize faculty with modern analytical tools such as GIS and FEM for engineering applications
- To bridge the gap between theoretical learning and practical implementation through case studies and field exposure
- To promote research, innovation, and critical thinking in sustainable engineering practices
- To develop teaching effectiveness by integrating contemporary topics into academic curriculum
- To encourage environmentally responsible and ethical engineering solutions

WHO CAN APPLY?

Academicians, Research Scholars, PG Students

**CLICK HERE FOR
REGISTRATION**



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