

WHO CAN ATTEND

The FDP is open for faculty members of APJ Abdul Kalam Technological University (KTU) affiliated Engineering Colleges, Research Scholars, PG Students and participants from Government Organizations and Industry

PRE-REQUISITES

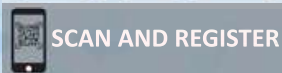
Basic knowledge in Structural Dynamics, Seismology, R.C.C. Design and Steel Design.

DATES TO REMEMBER

Commencement of registration: **26 May, 2021**
Last date for registration: **31 May, 2021**
Confirmation of participation : **3 June, 2021**

ONLINE REGISTRATION DETAILS

Online registration is essential.
Link for Gmeet will be shared to registered participants through email.
Maximum no of participants: 100.
Admission based on first come, first serve basis.
No registration fee.
Link for Registration: <http://tinyurl.com/eqWind>



Contact us at:
+91 9847070349
+91 9249476946



jisha.sv@mbcet.ac.in
bindu.biju@mbcet.ac.in

ADVISORY COMMITTEE

Dr. S. Jayasree, Associate Professor & Head,
Department of Civil Engineering, MBCET

Dr. Neethu Roy, Professor & Dean (Research & Consultancy), Department of Civil Engineering, MBCET

Dr. M. Satyakumar, Professor,
Department of Civil Engineering, MBCET

Prof. P. S. Abraham, Professor,
Department of Civil Engineering, MBCET

Dr. Elizabeth C Kuruvilla, Professor,
Department of Civil Engineering, MBCET

Faculty of Structural Engineering Research Group,
Department of Civil Engineering, MBCET

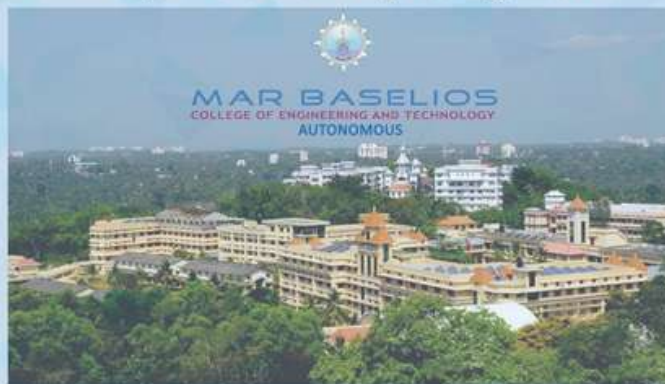
Ms. Tisny D.B	Ms. Parvathy U.
Ms. Jean Molly Simon	Mr. Akhil Raj S. R.
Ms. Sherin Mathew	Ms. Smrithi Cheriya
Ms. Aneena Babu	Ms Anupama Krishna
Mr. Jomy Joseph Peedikayil	Mr. Jobin Joy

COORDINATOR

Dr. Jisha S.V., Assistant Professor
Department of Civil Engineering, MBCET

CO-COORDINATOR

Ms. Bindu Biju, Assistant Professor
Department of Civil Engineering, MBCET



ONLINE FACULTY DEVELOPMENT PROGRAMME on

7 - 11 JUNE 2021

RECENT ADVANCES IN SEISMIC AND WIND LOAD ANALYSIS OF STRUCTURES

ORGANISED BY

DEPARTMENT OF CIVIL ENGINEERING



MAR BASELIOS
COLLEGE OF ENGINEERING AND TECHNOLOGY

AUTONOMOUS

THIRUVANATHURAM, KERALA



SPONSORED BY
**APJ ABDUL KALAM
TECHNOLOGICAL
UNIVERSITY, KERALA**

MBCET

Situated amidst 21 Educational Institutions in the Mar Ivanios Vidyanagar, just 5 kms from the heart of Thiruvananthapuram city, MBCET stands tall as a symbol of the quest of Professional and Technological studies. As a proud part of Mar Ivanios Vidyanagar on the blessed Bethany Hills, deriving the inner strength of truth and goodness from the visionary Patrons, Mar Baselios College of Engineering and Technology inspires the aspirations of generations of knowledge-seekers. Established in 2002, the College is administered by the Malankara Catholic Educational Society of Major Archdiocese of Thiruvananthapuram. The College offers five B.Tech and M.Tech programmes and PhD. MBCET is accredited by NAAC with an "A" Grade (CGPA 3.13) and all its B.Tech programmes are accredited by NBA since July 2015. It is conferred with autonomous status by UGC in 2020 and is affiliated to APJ Abdul Kalam Technological University, Kerala.

DEPARTMENT OF CIVIL ENGINEERING

Started in the year 2004, the Department of Civil Engineering is a vibrant place for learning, where students pursue their educational interests in order to lead the next generation to better prospects. The students develop high quality technical expertise with a sound knowledge in basic Engineering Principles, Technical Skills and innovative research capabilities. The students have access to state-of-the-art facilities and well equipped laboratories. They are provided also with opportunities to earn valuable experience in the field through value added courses frequently conducted in the Department.

VISION

To be a centre of Excellence in Civil Engineering education with a global perspective creating ethically strong engineers for the service of society.

MISSION

To provide engineering education which can create exemplary professional Civil Engineers of high ethics with strong conceptual foundation coupled with practical insight, to serve the industry and community.

ABOUT THE FACULTY DEVELOPMENT PROGRAMME

The FDP will provide the participants with real time experience on recent practices in structural analysis and design of structures subjected to dynamic loads and thus the faculty in turn will impart this knowledge to the students for their professional and career advancement. The objectives of FDP are as follows.

- To expose participants to fundamentals of analysis and design of structure subjected to lateral load.
- To understand the complexity of design applications in real life and challenges involved in the analysis of structural system subjected to wind and seismic loads.

TOPICS COVERED

- Dynamics of Structures
- Geotechnical Earthquake Engineering
- Importance of Ductile Detailing in Earthquake Resistant Design of Structures
- Engineering Seismology and Lessons from Past Earthquakes
- Recent Advances in Earthquake Resistant Construction Practices
- Simplified Procedures for Rapid Earthquake Vulnerability Assessment and Retrofitting of Buildings in India
- Challenges in Analysis and Design of structures
- Introduction to Performance Based Analysis of Structures
- Pushover Analysis-Practical Session
- Salient Developments in IS 875 (Part3): 2015 Compared to its 1987 version
- Wind Effects on Structures
- Fundamentals of Wind Engineering
- Building Motion & Dampers
- Wind Tunnel Testing and Wind Design of Structures
- Wind Climate and Exposure Effects
- Architectural Aerodynamics

RESOURCE PERSONS

Dr. Ashok K. Ahuja

Retd. Prof. of Civil Engg., IIT Roorkee, Former Visiting Professor at IIT Jammu

Dr. Lakshmy Parameswaran

Chief Scientist, Bridge & Str. Engg. Division, CSIR-Central Road Research Institute, Mathura Road, New Delhi

Prof. Sasankasekhar Mandal

Professor, Structural Engineering, Department of Civil Engineering, IIT (BHU), Varanasi

Dr. G.R. Reddy

Adjunct Professor, DOC, NITK, Surathkal & SED, VITI, Mumbai, Outstanding Scientist, Ex-BARC, Senior Professor, Ex-HBNI, Mumbai

Prof. Katta Venkataramana

Professor, Department of Civil Engineering, NITK, Surathkal

Dr. Sreevalsa Kolathayar

Assistant Professor, Department of Civil Engineering, NITK, Surathkal

Dr. Ramancharla Pradeep Kumar

Professor of Civil Engg. & Head, Earthquake Engineering Research Centre, IIIT Hyderabad

Dr. Suhasini N. Nandakishore Madhekar

Associate Professor, Department of Civil Engineering College of Engineering, Pune

Mr. Soumyan K.

Assistant Professor, Department of Civil Engineering, College of Engineering Vadakara, Kerala

Mr. Rahul P. S.

Director | Associate, RWDI Consulting Engineers India Pvt. Ltd.