DEPARTMENT OF CIVIL ENGINEERING

Minutes of Meeting of the BOS meeting held on 28-08-2025

The Board of Studies Meeting for Department of Civil Engineering, MITS Deemed to be University, Madanapalle has been conducted on **28/08/2025** at **05:45** P.M. virtually through Microsoft Teams.

Agenda of the Meeting:

1. Approval of R25 Structure (B. Tech Civil Engineering Ist Year) for semester I and semester II.
2. Approval of detailed Syllabus (B. Tech Civil Engineering Ist Year) for the following courses.
    - Engineering Geology
    - Introduction to Environment and Sustainability
    - Engineering Mechanics
    - Problem-Solving using Python Laboratory
    - Scientific Computing Laboratory
3. B.Tech Program R25 MITS Deemed to be University 160 Credits.
4. Provision of Major (additional 18 Credits) along with regular B.Tech. In Civil Engineering degree.
5. Provision of Minor (additional 18 Credits) programs along with regular B.Tech. In Civil Engineering degree.
6. Any other matter by the permission of the Chair.

DEPARTMENT OF CIVIL ENGINEERING

Members Present:

Sl. No.	Name of the Member	Composition	Designation and Address
1	Dr. Dipankar Roy	Chairman	Professor & Dean School of Engineering
2	Dr. Mahendrakumar Madhavan	Subject Expert	Professor, Structural Engineering, Department of Civil Engineering Indian Institute of Technology Hyderabad, Kandi, Sangareddy 502 284, Ph. No: +91 94907 82690
3	Dr K Ayeratharasu Rajasekharan	Industry Expert	Former Chief Engineer, PWD, Government of Tamil Nadu. Ph. No: +91 94904 57404
4	Mr. P. Karthik	Alumni Representative Civil Engineering, MITS, UGC Autonomous Institution.	Technical Engineer, Hilti India Private+ Phone: +91 96188 29051
5	Ms. Kempakkagari Bhargavi	Student Representative	Student, Final year, Civil Engineering, MITS, UGC Autonomous Institution.
6	Dr. Vijayakumar N	Subject Expert- Structural Engineering	Assistant Professor and HoD – Civil Engineering Department (CED), MITS.
7	Dr. Vishal Singh Rawat	Subject Expert - Water Resources Engineering	Assistant Professor, CED, MITS Deemed to be University.
8	Dr. Nunna Tagore Sai Priya	Subject Expert - Urban Planning	Assistant Professor, CED, MITS Deemed to be University.
9	Dr. Nakkeeran G	Subject Expert- Construction Engineering and Management, IQAC Co-ordinator	Assistant Professor, DQAC- CED, MITS, UGC Autonomous Institution.
10	Dr. Sudheer Kumar Y	Subject Expert- Geotechnical Engineering	Associate Professor, CED, MITS, UGC Autonomous Institution.
11	Dr. Priyam Nath B	Subject Expert- Transportation Engineering	Assistant Professor, CED, MITS, UGC Autonomous Institution.
12	Mr. Veeresh B	Subject Expert- Environmental Engineering	Assistant Professor, CED, MITS, UGC Autonomous Institution.

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Minutes of Meeting:

The Head of the Department extended a warm welcome to the expert members participating in the BOS meeting.

Curriculum Overview

The IQAC Co-ordinator presented an introductory overview of the R25 curriculum structure to all attendees.

Syllabus Development

The structure and detailed syllabi were formulated by referencing various university curricula. The curriculum structure with 160 credits for B.Tech. in Civil Engineering has been approved.

Course-Specific Recommendations

- **Engineering Geology:** The syllabus and course contents were reviewed and approved by the expert panel.
- **Introduction to Environment and Sustainability:** Experts recommended that equal emphasis be placed on both Environment and Sustainability topics. The inclusion of concepts related to Sustainable Development and Sustainable Development Goals (SDGs) was advised. Additionally, it was suggested that textbooks and reference materials be updated.
- **Engineering Mechanics:** Experts proposed to Incoporate work-energy principles in Unit 4 and Dynamics of Particles and Rigid Bodies in Unit 5. Use of latest edition of textbooks and reference materials was also recommended.
- **Engineering Graphics:** It was suggested that students should, where possible, practice sketching through freehand drawing exercises. Detailed syllabus was not discussed in the meeting.
- **Problem-Solving using Python Laboratory** and **Scientific Computing Laboratory**: Experts advocated for the use of real engineering problems during lab sessions. Such

examples should be drawn from authentic academic and industry-related scenarios to enhance learning outcomes.

The proposal for Honours and Minor programs, comprising an additional 18 credits, was discussed and subsequently approved by the Board of Studies.

The meeting concluded with consensus on all points discussed.

Sl. No.	Name of the Member	Designation	Signature
1	Dr. Dipankar Roy	Professor & Dean School of Engineering	
2	Dr. Mahendrakumar Madhavan	Professor, Structural Engineering, Department of Civil Engineering, Indian Institute of Technology Hyderabad, Kandi, Sangareddy 502 284 Ph. No: +91 94907 82690	
3	Dr K Ayeratharasu Rajasekharan	Former Chief Engineer, PWD, Government of Tamil Nadu. Ph. No: +91-9490457404	
4	Mr. P. Karthik	Technical Engineer, Hilti India Private Limited Phone:+91 96188 29051	P. Karthik
5	Ms. Kempakkagari Bhargavi	Student, Final year, CED	K. Bhargavi
6	Dr. Vijayakumar N	Head of the Department- Department of Civil Engineering	
7	Dr. Vishal Singh Rawat	Assistant Professor, CED	
8	Dr. Nunna Tagore Sai Priya	Assistant Professor, CED	
9	Dr. Nakkeeran G	Assistant Professor, CED	
10	Dr. Sudheer Kumar Y	Associate Professor, CED	
11	Dr. Priyam Nath B	Assistant Professor, CED	
12	Mr. Veeresh B	Assistant Professor, CED	