Minutes of Meeting of the BOS meeting held on 11-07-2025

The XIVth Board of Studies Meeting for Department of Civil Engineering, MITS Madanapalle has been conducted on **11/07/2025** at **04:00** P.M. virtually through Microsoft Teams.

Agenda of the Meeting:

1. Discussion on R23 Structure (B. Tech Civil Engineering IIIrd Year) – Minor & Honors Degree Program.
2. Detailed Syllabus Review (B. Tech Civil Engineering IIIrd Year, Minor & Honors Program).
3. National Credit Framework (NCrF).
4. Indian Knowledge System (IKS) as Elective Courses.
5. Policy on Pursuing Two Academic Programs Simultaneously.
6. Bharathiya Bhasha Course Offering.
7. Quantum Computing - Introduction to Quantum Technology & Applications
8. Any other matter by the permission of the Chair.

Members Present:

Sl. No.	Name of the Member	Composition as per UGC-Autonomous Guidelines	Designation and Address
1	Dr. Dipankar Roy	Chairman Head of the Department	Professor & HoD – Civil Engineering Department (CED)
2	Prof. H. Sudarsana Rao	Expert nominated by the Vice-Chancellor	Honorable VC and Professor of Civil Engineering JNTUA College of Engineering Anantapur – 515 002 Ph. No: 9393088822

3	Prof. Harikrishna P	Subject expert from outside the Parent University, nominated by the Academic Council	Professor, Department of Civil Engineering. National Institute of Technology Warangal, NITW Campus. P.O, Warangal – 506004 Ph. No: +91-9490457404
4	Prof. Jaya Kumar Seelam	Subject expert from outside the Parent University, nominated by the Academic Council	Principal Scientist, CSIR and Associate professor Ac SIR School of Oceanography, Donapaula, Goa Ph.No: +91-8805524264
5	Dr. K Ayeratharasu Rajasekharan	Representative from Industry	Former Chief Engineer, PWD, Government of Tamil Nadu Ph: +91-9840237800
6	Mr. Krishna Prasad Kathala	Alumni Member	Executive Engineer Ramkey Infrastructure Limited Hyderabad Phone: +91-7893113145
7	Dr. Sudheer Kumar Y	Subject Expert- Geotechnical Engineering	Associate Professor, CED, MITS
8	Dr. Swapneel S Jaiswal	Subject Expert- Transportation Engineering	Assistant Professor, CED, MITS
9	Dr. Vijayakumar N	Subject Expert- Structural Engineering	Assistant Professor, CED, MITS
10	Dr. Priyam Nath B	Subject Expert- Transportation Engineering	Assistant Professor, CED, MITS
11	Mr. Veeresh B	Subject Expert- Environmental Engineering	Assistant Professor, CED, MITS

Minutes of Meeting:

1. All the faculty members of the Department of Civil Engineering attended the BOS meeting to discuss the R23 Syllabus structure for the III-year (I and II Semester) Subjects along with the detailed syllabus review for III-year, Minor & Honors Program.
2. The Head of Department welcomed the expert members to the XIVth BOS meeting.
3. The DQAC Coordinator presented an introductory overview of the R-23 curriculum structure.
4. The structure and detailed syllabi have been prepared based on the JNTUA R23 curriculum.
5. For the subject Construction Planning and Management, the Experts suggested to include the topic "CPM (Critical Path Method)". Also, for the Unit-IV titled "Quality Control and Safety during Construction", the topics related to the safety aspect were missing and the experts suggested to incorporate Safety topics in the Unit-IV.
6. **Recommendations from Industry Expert**
    - To align with industry trends, the experts suggested upgrading BIM modules with tools like Navisworks, Tekla, and 4D/5D Simulation; introducing Drone Surveying, SCADA, and Digital Twin in smart infrastructure courses; and promoting certifications like IGBC/AP, LEED, and MOOCs to enhance Software skills and Professional preparedness.
    - To foster innovation and entrepreneurship, the experts suggested to utilize Tinkering Labs and Design Thinking electives to support idea-to-prototype development, while encouraging student participation in platforms like the Smart India Hackathon, AICTE startup initiatives, and National Innovation Contests.
    - To promote sustainability-centric learning, the experts recommended integrating life cycle thinking into key courses and engaging students in green audits and carbon footprint mapping.

- To enhance industry-readiness, the experts recommended strengthening soft skill modules like Technical Paper Writing, IPR, Public Speaking, and Project Presentation, along with introducing mock review boards, startup pitching, and inter-departmental competitions to boost student confidence and communication skills.

7. **Discussion on National Credit Framework (NCrF)**: The HoD, along with the committee members, deliberated on the National Credit Framework (NCrF) and its implications on the existing curriculum. The discussion focused on aligning academic and skill-based credits, promoting interdisciplinary learning, and ensuring compliance with the guidelines to facilitate seamless credit transfer and holistic student development.
8. **Inclusion of Indian Knowledge System (IKS) as Elective**: The committee proposed the inclusion of Indian Knowledge System (IKS) as part of the Open Elective – I offerings to provide students with an opportunity to engage with traditional knowledge systems in a structured academic format.
9. **Policy on Pursuing Two Academic Programs Simultaneously**: The HoD highlighted the department's supportive policy encouraging students to pursue two academic programs concurrently, in alignment with university regulations, to enhance their academic and professional growth.
10. **Bharathiya Bhasha Course Offering**: In line with NEP 2020 recommendations, the Department proposed offering MOOC-based courses in any Bharathiya Bhasha, allowing students to choose a language of interest for credit accumulation under the curriculum framework.
11. Target level (**L2**) for computing CO and PO attainment will remain the same like previous year.

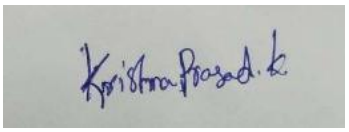
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