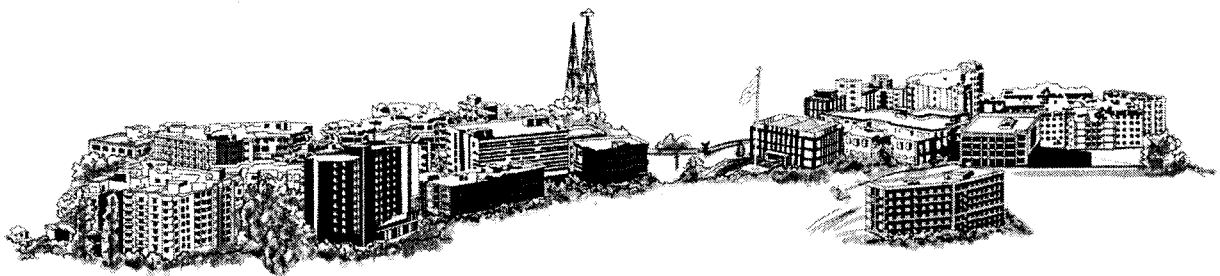




ACTION TAKEN REPORT

Department of Civil Engineering

Academic Year 2022-23



DIT University

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Action Taken Report 2022-2023
Department of Civil Engineering

Recommendation 1

1. In detail discussion, Dr. Akhil Upadhyay suggested that the subjects: Steel Structure, Fibre reinforced concrete, introduction to construction material, Modern construction techniques and handling the modern equipment should be incorporated in the course of M.Tech in Construction, Planning and Management.
2. It has been advised by Industrial expert from L&T: Mr. Avinash Mahendrakar that the software, Building Information Modeling (BIM) should be included in the course. He also suggested that more number of electives subjects should be added in the basket. Also the course collaboration should be done with industry and consultants such as L&T, Afcons Infrastructure, Hindustan, Reliance, Adani, Louis Berger and Ramboll for the betterment.
3. Dr. Akhil Upadhyay and Dr. Sandeep Maithani advised to replace unit-1, unit-2 & unit-3 with statistical analysis, introduction to Fuzzy, Optimization and Probability theory in Advance Mathematics course. Same was also proposed by Mr. Gaurav Thakur, Alumni.
4. Dr. Akhil Upadhyay further commented that in the subject: Advance Engineering Materials, Micro label theory of materials should be avoided and retrofitting, texture analysis, durability and tools should be added.
5. Mr. Avinash Mahendrakar suggested that equipment for bridge and equipment cost should be included in the subject: Construction Practice and Equipment. Same was also suggested by Mr. Gaurav Thakur and he further added that the software, BIM and planning software should be introduced in the subject: Construction Planning and Controlling
6. Dr. Sandeep Maithani advised that in the subject, Quality and Safety in Construction: More lecture hours to be given to unit 1. Also site visit should be added in the subject so that student must get the knowledge of quality at site. Same was supported by other members. Minutes of the eighth Meeting of the Board of Studies, Department of Civil Engineering, DIT University, Dehradun held at 02:00 PM, 03rd March 2022. Page 5
7. Members further suggested that • IS codes to be introduced in Advance Concrete Technology. • In Financial and Business Management, TQM should be omitted from the Unit-3. • solar energy should be incorporated in Energy conservation and environment • It

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	<p>must be given on presentation skill of students in Research Methodology and IPR course</p> <p>8. Dr. Akhil Upadhyay specifically pointed out that in the subject Structural health monitoring, location, equipment, purpose and durability of equipment should be added. Topic Shear Lag theory should be removed from the Unit-4.</p>		
Action Taken	The Board further resolved to recommend the same to the UG/PG Academics committee for its approval in academic council	Responsibility Head CE	August 2022



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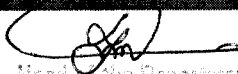


**Action Taken Report 2022-2023
Department of Civil Engineering**

Recommendation 1	<p>Discussion on course structure and syllabi of proposed M.Tech in Civil Engineering with specialization in • Structural Engineering • Transportation Engineering • Geotechnical Engineering • Water Resources Engineering Chairperson informed the board that department is currently offering M.Tech in Civil Engineering with specialization in Structural Engineering but in addition proposing additional specializations in Transportation Engineering, Geotechnical Engineering, Water Resources Engineering. The program structure in additional specializations has been made as per the existing M.Tech in Civil Engineering with specialization in Structural Engineering. The detailed curriculum and tentative syllabus were presented before the board members. The members thoroughly went through the structure and suggested following: • As Mathematics course: probability and statistics to be included in PG Core subjects • Offering may be decided from science departments or department of civil engineering. • Advanced Structural Engineering lab to be included and applications of latest softwares in structure discipline and others to be included • Fundamentals of Geomatics Engineering to be included instead of fundamentals of GIS. Syllabus to be changed accordingly.</p> <p>Minutes of the Ninth Meeting of the Board of Studies, Department of Civil Engineering, DIT University, Dehradun held at 11:00 AM, 25th February 2023. Page 5 The chairperson presented the tentative syllabus of the programs. External Members suggested that the syllabus can be adopted from PG programs of IITs and NITs. Dr. Subhojit Roy, PG Coordinator appraised the board about the importance of the newly proposed PG programs in the present context of Government policies and upcoming infrastructure projects. Overall, the programs were appreciated by the members and approved to be further presented to higher statutory boards.</p>		
Action Taken	The Board further resolved to recommend the same to the UG/PG Academics committee for its approval in academic council	Responsibility Head CE	August 2022

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