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SHRI G.S. INSTITUTE OF TECHNOLOGY AND SCIENCE, INDORE (M.P.) – 3  
CIVIL ENGINEERING AND APPLIED MECHANICS DEPARTMENT

No. : CE-AMD/HOD/HKM/BOS-MINUTES/2021/

Dated: 15-02-2021.

MINUTES OF BOARD OF STUDIES OF  
CIVIL ENGINEERING & APPLIED MECHANICS HELD ON 06-02-2021.

A meeting of Board of Studies of Civil Engineering & Applied Mechanics Board was held on 06-02-2021 at 12: 00 Noon

Following Members were present:

1. Dr. H.K. Mahiyar : Chairman ( HOD ,CE-AMD )
2. Er. Govind Parchani : External Member (Chief Engineer, R.R.C.A.T., Indore)
3. Dr. D.J. Killedar : Member
4. Dr. V. R. Rode : Member
5. Dr. (Mrs.) V. Tare : Member
6. Dr. S.M. Narulkar : Member
7. Dr. R.K. Khare : Member
8. Dr. S.B. Ajmera : Member
9. Prof. M.K. Laghate : Member
10. Prof. Devendra Dohare : Member
11. Prof. S.K. Ahirwar : Member
12. Prof. V. Tiwari : Member
13. Prof. T.K. Narnaure : Member

The following members could not attend the meeting

1. Dr. M.S. Randive : External Member (HOD Civil COEP, Pune)
2. Prof. H.S. Goliya : Member

At the outset the Chairman welcomed all the members.

The deliberations of the meeting are summarized below:

1. Item No. 1:

To discuss and propose minor changes in the Syllabi of I B.TECH., II B.TECH., III B.TECH. and IV B.TECH. w.e.f. Session 2021-22. The proposed changes in the syllabus of all subject shall be applicable from the current semester. The proposed changes in the scheme of examination shall be applicable from next semester starting from July, 2021.

A discussion was held among B.O.S. Members and minor changes were proposed in the various syllabi of U.G. subjects as mentioned below. Salient features are as under-

1. A minor reshuffling of units in the subject **Fundamentals of Civil Engineering & Applied Mechanics (CE10003)** (Common to all branches of B. Tech. First year) are proposed with deletion and addition of minor topic. The content of syllabus has been modified to the extent of 10% and the existing & proposed syllabi are attached here with. **Annexure I/01.**
2. Minor changes have been proposed in the syllabus of subject **Engineering Geology (CE21508)** B. Tech. Civil Second year IV Semester a new topic Remote Sensing in Unit IV is introduced and attached here. The content of syllabus has been modified to the extent of 10%. Existing & proposed syllabi are attached for approval. **Annexure I/02.**
3. It is proposed to shift following subjects along with the practical credits which are as under. New codes to the following subjects are required to assigned.- **Annexure I/03,**

S. No.	Subject Name & Code	Running in Semester as per current Scheme	Proposed to run in Semester in new scheme
1	Transportation Engineering (31004)	V	IV
2	Geotechnical Engineering I (CE21513)	IV	VI
3	Elective I	VI	V

- 4. In continuation to it is proposed that elective subject CE 41714 i.e. "Highway Construction Practices" in Elective VI of Semester VIII be removed from the list of electives. The syllabus "Advance Construction Practices" has been revised for rationalization of the content of the course by making minor changes. Annexure I/04
- 5. Syllabus of Subject Bridge Engineering (CE41312) Elective IV in VII semester, 4<sup>th</sup> year of B.Tech. Civil Engineering and Design of RCC & Prestressed Bridge (CE41608) Elective V in Semester VIII, 4<sup>th</sup> year of B.Tech. Civil Engineering are found to be overlapped for more than 60%. Hence, it is proposed to revise the Syllabus of both subjects for relevance to current practice. Existing and proposed syllabi are enclosed for approval. Annexure I/05 & Annexure I/06
- 6. It is proposed to add few topics in each unit and reshuffling of unit in the syllabus of elective VI Advance Remote Sensing (CE 41783). The revised & proposed syllabi are attached for approval. Annexure I/07
- 7. There is minor change in the syllabus of subject Structural Analysis I (CE 31007) with minor reshuffling of unit was proposed. Annexure I/08
- 8. It is proposed to introduce a new elective, (CE.....) Design of Foundation Systems in the place of elective VI of 8th Semester, 4<sup>th</sup> year Civil Engineering. Annexure I/09

2. **Item No. 2:**

Any other matter with the permission of the Chair.

Under this item the members discussed the existing scheme & syllabi and revised the same of M.E. (Structural Engineering), M.E. (Structural Engineering) Part Time, M.E. (Transportation Engineering), M.E. (Water Resources Engineering) and M.E./M.Tech (Environment Engineering). Following are the changes introduced addition of subjects and unit in the M.E. courses:

- 1. It has been proposed to change the name of the course as per following (subject to approval of AICTE) -

S.	Course Name as per current Scheme	Proposed Course Name
1	M.E. (Structural Engineering)	M.Tech (Structural Engineering)
	M.E. (Structural Engineering)	M.Tech (Structural Engineering) Part-Time
2	M.E. (Transportation Engineering)	M.Tech (Transportation Engineering)
3	M.E. (Water Resources Engineering)	M.Tech (Water Resources & Environmental Engineering)
4	M.Tech (Environment Engineering)	M.Tech (Environmental Engineering)

- 2. It is proposed to introduce a new elective, (CE.....) Design of Foundation Systems in the place of elective IV of 2nd Semester, 1st year M.E Structural Engineering & M.E Structural Engineering (Part Time). Annexure II/01
- 3. It is proposed that the subject Concrete Technology and Composite (CE 50003/CE50004) be removed from M.E. (Structural Engineering), M.E. (Structural Engineering) Part Time, M.E. (Transportation Engineering) M.E. (Water Resources Engineering) and in place of it, (CE.....) Advance Concrete Technology to be introduced in these disciplines as well as in M.Tech (Environmental Engineering). Annexure II/02
- 4. The scheme and syllabi of M.E. Water Resources Engineering have been modified according to AICTE norms. There is a proposed change in the nomenclature of the course as M.E. (or M.Tech) 'Water Resources and Environmental Engineering' instead of M.E. (or M.Tech) 'Water Resources Engineering'.

Accordingly, the scheme has been modified and the subjects of Air Pollution and Treatment, Sewage Treatment, hydraulics of water and sewage transmission, Design of Environmental Engineering Structures, and Advanced Construction Techniques-Practices & optional subjects have been introduced. Thus, the course is designed as a multi-disciplinary course with modifications in favor of student's interest. This will enhance the employability of the students by broadening the perspective. The feedback for this was gained from the past students of

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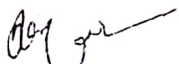
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(WRE) and the employer companies who work in all kinds of hydraulic structures. The proposal was accepted by the board of studies. **Annexure II/03**

It is also proposed that above proposal is subjected to approval from AICTE. If same is not granted then existing course curriculum withstand as it is.

5. It is proposed that the existing name of the course viz. **M.Tech (Environment Engineering)** be modified as **M.Tech (Environmental Engineering)**. It may please be noted that upto session 2014-15, the course was bearing the same name i.e. **M.Tech (Environmental Engineering)** but onwards due to typographical error in AICTE sanction letter it became **M.Tech (Environment Engineering)**.
6. The scheme and syllabi of **M.Tech. Environmental Engineering** have been modified according to AICTE model curriculum and template provided by Dean (Academics). The existing scheme & syllabus of **M.Tech (Environment Engineering)** has been modified and the proposed scheme & syllabus is enclosed herewith. **Annexure II/04**
7. Intake in all four disciplines of postgraduate course to be reduced to 18 in each discipline instead of 25.

The meeting ended with vote of thanks to the chair.

  
(Dr. H. K. Mahiyar)  
Professor & Head, CE-AMD  
Chairman, BOS, CE-AMD Board