

**MINUTES OF BOARD OF STUDIES OF CIVIL ENGINEERING & APPLIED MECHANICS HELD ON 13-07-2020.**

An online meeting of Board of Studies of Civil Engineering & Applied Mechanics Board was held on 13-07-2020 at 04: 00 P.M.

Following Members are present:

- |     |                       |   |  |
|-----|-----------------------|---|--|
| 1.  | Dr. V. R. Rode (HOD)  | : | Chairman   |
| 2.  | Dr. M.S. Randive      | : | External Member (HOD Civil COEP, Pune)               |
| 3.  | Dr. Govind Parchani.  | : | External Member (Chief Engineer, R.R.C.A.T., Indore) |
| 4.  | Dr. D.J. Killedar     | : | Member   |
| 5.  | Dr. H.K. Mahiyar      | : | Member   |
| 6.  | Dr. (Mrs.) V. Tare    | : | Member   |
| 7.  | Dr. S.M. Narulkar     | : | Member   |
| 8.  | Dr. R.K. Khare        | : | Member   |
| 9.  | Dr. S.B. Ajmera       | : | Member   |
| 10. | Prof. M.K. Laghate    | : | Member   |
| 11. | Prof. H.S. Goliya     | : | Member   |
| 12. | Prof. Devendra Dohare | : | Member   |
| 13. | Prof. S.K. Ahirwar    | : | Member   |
| 14. | Prof. V. Tiwari.      | : | Invitee Member                                       |
| 15. | Prof. T.K. Narnaure.  | : | Invitee Member                                       |

At the outset the Chairman welcomed all the members.

The deliberations of the meeting are summarised below:

1. Item No. 1:

To discuss and propose minor changes in the Syllabi of I B.E., II B.E., III B.E. and IV B.E. w.e.f. Session 2020-21.

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 few topics of Unit II of subject Fundamentals of Civil Engineering & Applied Mechanics (CE10003) are replaced and attached here looking to their relevance and the practical classroom coverage of syllabus of B.E. first year (common to all branches). The content of syllabus has been modified to the extent of 10% and the existing & proposed syllabi are attached for approval. **Annexure I/01.**
2. Minor changes have been proposed in the syllabus of subject Geodesy (CE21002) B.E. Civil second year, a new topic Photogrammetry in Unit V were introduced and attached here. The content of syllabus has been modified to the extent of 10% and the existing & proposed syllabi are attached for approval. **Annexure I/02.**
3. In continuation with the above swapping of subjects, minor changes have been proposed in the syllabus of subject Strength of Materials (CE21003) B.E. Civil second year, few topics of Unit II were modified and attached here. The content of syllabus has been modified to the extent of 10% and the existing & proposed syllabi are attached for approval. **Annexure I/03.**
4. The contents of Subject "Water Resource Engineering (CE31010)" in V semester are revised for relevance to current practices and the existing & proposed syllabi are enclosed for approval. (**Annexure I/04.**)

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Prof. Rakesh Saxena

Chairman  
Academic Council

5. The contents of Subject "Design of Hydraulic Structure (CE41006)" in VII semester are revised for relevance to current practices and the existing & proposed syllabi are enclosed for approval. (Annexure I/05).
6. In addition to Elective IV of Semester VIII, new elective subject CE - \_\_\_\_\_ named "**Advance Fluid Mechanics**" is introduced and proposed syllabus of the same is attached for approval. (Annexure I/06).
7. In continuation to above introduction of elective in Elective IV of Semester VIII, new elective subject CE - \_\_\_\_\_ named "**Advance Construction Practices**" is introduced and proposed syllabus of the same is attached for approval. (Annexure I/07).
8. As per Institute Director's suggestion received by Chairman B.O.S. the **Virtual Labs** (in which ever subjects available) can be studied additionally by the students.

2. Item No. 2:

Any other matter with the permission of the Chair.

Under this item the members discussed the existing syllabi and revised the same of M.E. Structural Engineering, and M.E. Water Resources Engineering. Following below are the addition of subjects and unit in the M.E. courses :

1. In the I semester of M.E. Structural Engineering, a minor change is proposed the syllabus of the subject Finite Element Method (CE51008) to include the structural analysis background. The existing & proposed syllabi are attached for approval. (Annexure I/08).
2. In the I semester of M.E. Water Resources Engineering, minor changes to the extent of 10% are proposed in the syllabus of the subjects System Mathematics & Mathematical Modeling (CE50002) and Hydrologic Analysis (CE52004). The existing & proposed syllabi are attached for approval. (Annexure I/09).
3. In the II semester of M.E. Water Resource Engineering, minor changes to the extent of 10% are proposed in the syllabus of the subject Stochastic Hydrology (CE52503), Water Resources Systems Engineering (CE52505) and Advanced Hydrological Modeling Analysis (CE52071). The existing & proposed syllabi are attached for approval. (Annexure I/10).
4. In the II semester of M.E. Water Resource Engineering 4 optional subjects have been introduced Viz. **Climate Change and Adaptation In Water Management, Watershed Conservation and Management, Geospatial Technologies in Water Resources, Hydropower Engineering** The proposed syllabus is attached for approval. (Annexure I/11). Subject codes are required to be assigned.

*Rode*  
17.7.20  
(Dr. V. R. Rode)

Professor & Head, CE-AMD  
Chairman, BOS, CE-AMD Board