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

CE-AMD/HOD/VR/BOS-MINUTES/2019/

Dated : 28-05-2019.

**MINUTES OF BOARD OF STUDIES OF CIVIL ENGINEERING &  
APPLIED MECHANICS HELD ON 25-05-2019.**

A meeting of Board of Studies of Civil Engineering & Applied Mechanics Board was  
in Conference Hall of CE-AMD on 28-05-2019 at 11:30 A.M.

**Following Members are present:**

- |     |                      |   |          |
|-----|----------------------|---|----------|
| 1.  | Dr. V. R. Rode (HOD) | - | Chairman |
| 2.  | Dr. R.K. Shrivastava | - | Member   |
| 3.  | Dr. S.K. Soni        | - | Member   |
| 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   |

The following members could not attend the meeting

- |    |                       |   |        |
|----|-----------------------|---|--------|
| 1. | Dr. Uttamasha Gupta   | - | Member |
| 2. | Prof. S.K. Ahirwar    | - | Member |
| 3. | Prof. Devendra Dohare | - | 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 finalize the proposed Scheme & Syllabus for II B.E. and III  
B.E. (Civil) w.e.f. Session 2019-20 and IV B.E. (Civil) w.e.f. Session 2020-21.

The UG scheme which is akin to the AICTE model curriculum for undergraduate degree courses in civil engineering 2018 is tabled before house for discussion and recommended with effect from 2019-20 for II B.E. & III B. Tech.(Civil Engineering) and 2020-21 for IV B. Tech.(Civil Engineering).

(Please refer Annexure I/01 to Annexure I/09)

In the proposed scheme salient features, which are different from the existing scheme, are as under-

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1. Looking to the need of teaching Building planning and Architecture along with subject Material Technology it is proposed to swap subject CE21551 Building Planning and Architecture from IV semester with the subject CE21001 Engineering Geology in III Semester. Thus Building Planning and Architecture is to be taught in III semester and Engineering Geology to be taught in IV semester. (Annexure I/01)
2. In view of latest development & availability of modern equipments such as 'Total Station and GPS', it was discussed in the meeting that there is need to modify the syllabus of Geodesy (CE-21002). In the practical subject field project work has to be inserted. The content of syllabus has been modified to the extent of 10% and the existing & proposed syllabus is attached for approval. (Annexure I/02)
3. In the V semester the subject name Transportation Engineering I CE31001 and Environmental Engineering I CE31002 are proposed to be revised as Transportation Engineering & Environmental Engineering respectively. (Annexure I/03 to I/04)
4. In VI Semester, Transportation Engineering II is proposed to be Elective-I as (i) Advance Highway & Airport Engineering and (ii) Pavement Design Construction and Maintenance Similarly Environmental Engineering II is proposed to be Elective II as (i) Decentralized Waste Water Management and (ii) Environmental Auditing and Management systems. (Annexure I/05 to Annexure I/08)
5. Contents of the subject Design of Advanced RCC Structures CE41001 are proposed to be modified by 10% to accommodate some advanced features of RCC structures in place of design of steel structures component of the syllabus as the name of subject is RCC structures. (Annexure I/09)
6. The existing scheme is having four electives. Now to accommodate AICTE model curriculum it is proposed that two more electives are introduced in VI Semester of B.E. (Civil). In addition to all the electives as per the list provided an option to choose equivalent online subjects like MOOC, SWAYAM, NPTEL, etc. is also permitted. However, these courses will be conducted in the mentorship of



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Departmental Supervisor, <sup>and</sup> ~~However~~, the examination of these subjects will be taken by the Institute also and credits shall be awarded only after passing the examination at Institute level.

7. Practical credits of Elective-III, Elective-IV, Elective-V and Elective-VI are proposed to be removed and it is recommended to introduce as assignment problems to cover practical aspects mentioning in the syllabi of these subjects.

2. Item No. 2:

Any other matter with the permission of the Chair.

1. Under this item the members reviewed and discussed the proposed scheme and revised the scheme and syllabus of M.E. Structure Engineering and M.E. Transportation Engineering to be adopted w.e.f. 2019-2020. The scheme were discussed & recommended. (Please refer Annexure II/01 for Scheme of M.E. Structural Engineering, Annexure II/02 for Scheme of M.E. Transportation Engineering)

In the proposed scheme salient features, which are different from the existing scheme, are as under-

1. Two months Industrial/summer training is introduced after II Semester with credits.
2. One term paper introduced in II Semester and laboratory periods of two subjects in second semester are converted to be as minor project so that practical aspects are covered.
3. Existing scheme is having only two electives therefore two more electives are proposed in the scheme by replacing two compulsory subjects.
4. Comprehensive examination is not having any credits presently, it is proposed to assign one credit for that.

2. Members also Discussed and reviewed the existing syllabus of Environmental Engineering. The subject (CE59505) Statistic and Computer Programming has been modified and it is now proposed as Applied Statistics and Environmental System Modelling. (ANNEXURE II/03)

*(Dr. V. Rode)*

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