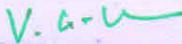


Minutes of the 32nd Board of Studies Meeting in the Department of Civil Engineering

- Minutes of the meeting of the Board of Studies in Civil Engineering held on Wednesday, the 31st July, 2019 at 10.30 A.M at Coimbatore Institute of Technology, Coimbatore -641014 to review the curriculum and syllabus of third and fourth semester for B.E Civil Engineering and complete syllabus of M.E. Structural Engineering, M.E. – Environmental Engineering and Management, M.E – Construction Management to be brought in to force with effect from academic year 2019 - 2020, to approve the curriculum and syllabus and any other matter.
- Dr.V.G.Srisanthi, HOD, Civil Engineering Department welcomed the members and initiated the discussions by requesting the external members Dr. K.C. Pazhani, Dr.G.Sankarasubramanian, Er.S.Sivalingam and Er.Arun Prasath to review the curriculum and syllabus for both UG and PG courses as per agenda and to suggest changes/modifications if any.
- The board first discussed in length the new draft curriculum of B.E Civil Engineering from third semester to fourth semester and suggested various additions and alterations in the proposed curriculum and syllabus.
- The following suggestions were made by external members for B.E Civil Engineering program (Third and Fourth Semester).
 - a) The external member Dr.G.Sankarasubramanian suggested having uniform course outcomes (either 3 or 5) and number of text books can be restricted to two for all the subjects. He also suggested having at least two subjects having tutorial components.

He insisted to have shifting of contents in the subject Mechanics of Solids in the first unit and suggested to link strain energy with uniaxial bending. Also, he asked to rearrange the headings of the syllabus. In the subject, Strength of Materials, the member suggested to remove spherical shells under the heading Thin and Thick

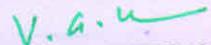

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cylinders. He further suggested modifying the content of syllabus of third semester subject differential equations and boundary value problems.

- b) The external member Er.S.Sivalingam shared his observations on the curriculum and syllabus of UG Civil engineering program. He gave suggestions to focus more on total station and underground hydrographic survey in the subject surveying to cater to the present industry needs. He insisted to include the construction aspects of diaphragm wall and geo membranes in the subject construction technology. In the subject Transportation engineering, he suggested to consider including metro tunnels, tunnel engineering and metro system management.
- c) Er.S.Sivalingam insisted having Pumping, monitoring and control (Telemetry) as one credit course. He recommended introducing practicing engineers/Industry people for handling the subject Professional practice and ethics as the subject is 90% industry oriented. He suggested inviting regulatory agencies like central disaster committee and state disaster committee to share their knowledge and experience while handling the subject disaster management.
- d) Dr. K.C. Pazhani highlighted to include latest edition for the text books and reference books of all subjects.

The following suggestions were made by external members for M.E. Civil Engineering programmes.

- a) For the program M.E. Structural Engineering, the member Dr.G.Sankarasubramanian, preferred to include
 - the content 'probability' and 'random variable' in fourth or fifth unit in the subject Applied Mathematics
 - the different types of techniques in the Multi degree of freedom systems of third unit in Structural Dynamics.


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- b) The external member Dr K.C.Pazhani, insisted to
- change the title "Corrosion and its prevention" as "Corrosion of steel in concrete" in the elective course.
 - include latest edition in the text books and reference books in the syllabus.
 - introduce elective grouping in the curriculum.
- c) For the program M.E – Environmental Engineering and Management, the member suggested to recommend a doctor to deliver a lecture on public health and sanitation during the first semester.
- d) For the program M.E Construction Management, Er. Arunprasath appreciated the curriculum and syllabus and insisted the importance of introducing data analysis laboratory and project planning laboratory in the syllabus for the future placement of students in Multinational companies.
- All these suggestions were discussed in the meeting and it was decided that efforts would be made by the chairperson Dr.V.G.Srisanthi to implement all the suggestions as far as possible.
 - Subsequent to the suggestions made by the external members, it was resolved that a committee may be set up with internal members to go in to all the suggestions made by the members and suitable changes/ modifications in the light of discussions that were followed may be incorporated in the updated curriculum and syllabus for both UG and PG Courses.
 - The meeting came to the end with the vote of thanks proposed by Dr.K.Divakar, Professor, Department of Civil Engineering.


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