

**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF CIVIL ENGINEERING**

MINUTES OF THE BOARD OF STUDIES MEETING HELD ON 02.04 2016

Lr. No. VCE/CED/88/2015-16/418

Date: 16.04.2016

Members Present:

01. Dr. B.Sridhar	Professor, Department of Civil Engineering, VCE
02. Dr. K.V.L. Subramaniam	Professor, Department of Civil Engineering, IIT Hyderabad
03. Dr. K. Srinivasa Raju	Professor, Department of Civil Engineering, Bits-Pilani Hyderabad Campus
04. Dr. M. Kumar	Professor, Department of Civil Engineering, OU College of Engineering
05. Er. P. Surya Prakash	Director, Satyavani Projects & Consultants Pvt. Ltd., Hyderabad
06. Dr. R. Pradeep Kumar	Professor, International Institute of Information Technology
07. Dr. B.L.P.Swami	Professor, Department of Civil Engineering, VCE
08. Dr. M.V. Rama Rao	Professor, Department of Civil Engineering, VCE
09. Sri. M. Bhasker	Associate Professor, Department of Civil Engineering, VCE
10. Sri. G. Shravan Kumar	Associate Professor, Department of Civil Engineering, VCE
11. Dr. M. Srinivas	Associate Professor, Department of Civil Engineering, VCE
12. Dr. T. Srinivas	Associate Professor, Department of Civil Engineering, VCE
13. Dr. C. Mohanlal	Associate Professor, Department of Civil Engineering, VCE
14. Sri. M.V.S.S. Sastri	Associate Professor, Department of Civil Engineering, VCE
15. Sri. Siddharth Banerjee	Assistant Professor, Department of Civil Engineering, VCE
16. Dr. K.Jayasree	Assistant Professor, Department of Civil Engineering, VCE
17. Mrs. KumariKoustuvee	Assistant Professor, Department of Civil Engineering, VCE
18. Mrs. Aswari Sultana	Assistant Professor, Department of Civil Engineering, VCE
19. Dr. BodigeNarender	Assistant Professor, Department of Civil Engineering, VCE

Prof. B.Sridhar, Chairman, Board of Studies and Head of the Department, welcomed members of BOS to the meeting, intended to finalize the syllabus for the 3/4 BE (Civil Engineering). The following points were discussed in the meeting:

1. Prof. B.Sridhar explained to the members that the college is about to enter the third year of autonomy, after having successfully followed the syllabus framed by the Board of Studies for the first and second year of B.E. (Civil). Keeping this in view, he presented the scheme of instructions of the first and second semesters of 3/4 BE (Civil Engineering). He also informed the members about the proposed framework of syllabus for 4/4 BE (Civil Engineering) in order to have a holistic view of the entire curriculum of four years.
2. First, a discussion took place on the course content of Fluid Mechanics-II and Hydraulics and Hydraulic Machinery laboratory. The course content was accepted by the members after the discussion, duly considering the suggestions made by the members.
3. Prof. B.Sridhar explained to the members that the intention of the College administration with inclusion of Finishing School in the curriculum in order to benefit the students in their placements and higher studies. In tune with this, Finishing school was included in the syllabus of 2/4 BE (Civil Engineering) during last academic year. In continuation of that, Finishing school is now being included in the first and second semesters of 3/4 BE (Civil Engineering). Prof. B.Sridhar mentioned that examination will be conducted for Finishing School at the end of each semester.

Similarly, syllabus for Human Values and Professional Ethics was devised for both semesters of 3/4 BE (Civil Engineering). A discussion took place on the content of these subjects. It was felt by the members that 2 periods in a week are enough to teach the fundamentals of MATLAB to the students. It was further suggested that the students are to be trained to draw simple curves using MATLAB. It was suggested to examine the possibility of obtaining student version of MATLAB.

The content of the syllabus for these subjects was approved after a detailed discussion. Communications skills and initiatives are to be developed as suggested.

4. It was suggested that the faculty members shall inform to the students about the books referred by them for different chapters in a course as it would help the students to refer to the same.
5. Members felt that it is appropriate to rename the two course of Transportation Engineering (to be taught in 3/4 -II semester and 4/4 -I semester) as Transportation Engineering-I and II respectively. In addition, the syllabus of Advanced Transportation Engineering (Elective-II) shall include all the necessary topics. It was also suggested by the members to include the necessary software in the syllabus for this subject. Prof. M.Kumar will be finalizing the syllabus of Transportation Engineering -I and will send the modified syllabus to the members. The syllabus for Transportation Engineering laboratory was approved by the members. However, it was suggested to include some video lectures on the laboratory experiments.
6. A discussion took place on the subject content of Water Resources Engineering (WRE-I and II). Members suggested the inclusion of Text book on "Open channel Hydraulics" by Prof. Subramaniam under the section of suggested reading, in addition to references on some case studies. It was recommended to remove the text book by Dr. B.C. Punmia from the references. It was suggested by the members that the objectives of Hydraulics and Hydraulic Machinery Laboratory be modified. In addition, the 10th Experiment should have two components: a) and b).
7. In general, it was felt that the course objectives shall reflect course content delivered to the students. In addition, the outcomes should mention what the "the students are expected to learn."
8. The following changes were suggested in the subject "Environmental Engineering" In the III unit, BOD, COD and TOC are to be elaborated.
 - a) Objective 5 is to be modified as "expected to understand."
 - b) A case study including all the components is to be included.
 - c) The text book of Dr. B.C. Punmia is to be removed.
 - d) Year of publications of the books to be given for textbooks.The syllabus of Environmental Engineering laboratory was approved.
9. It was suggested to rename the subjects RCC as "Design of Reinforced concrete structures (DRCS) - I and II". It was suggested to modify the objectives and outcomes in the subject DRCS-I. In addition, SP- 16, SP- 24 and IS875 are to be included under references.

Similarly, the subject "SEDD-I (concrete)" shall be renamed as "Design of Reinforced Concrete Structures". It was suggested include Sastry's book, Ponnuswamy's book under references for the topic on bridges.

In Concrete Laboratory, the tests for workability with admixtures are to be introduced. Relevant IS Codes are to be mentioned in the syllabus under references.

10. The two subjects on steel viz. "Steel Structures" and SEDD-II (Steel) be renamed as "Design of steel structures- I and II". In the subject "Design of Steel Structures-I", bracing for roof trusses is to be included. In addition, unsupported and supported lengths of compression members are to be included. Concepts of Plastic analysis to be included in the syllabus. Text books for references are to be suitably suggested.
11. It was suggested to include approximate methods of structural analysis for lateral loads in the subject "Theory of Structures-I". It was further suggested to include the text book of S.Ramamrutham in the text books. The members suggested that the objectives of the course be modified.

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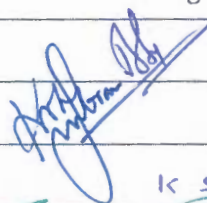
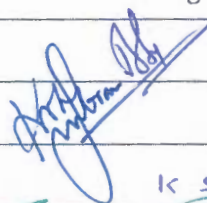
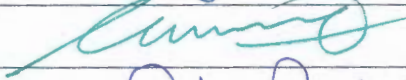
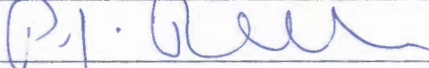
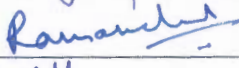



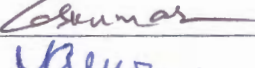
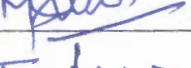
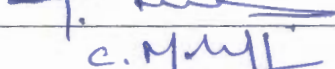
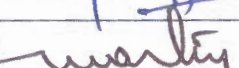
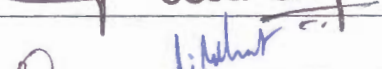




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The topics "temperature stresses and lack of fit" are to be removed from the contents of flexibility method in the subject "Theory of Structures-II". In addition, member end actions are to be included in the Stiffness method. The words "unknowns not exceeding three" shall be removed from Direct Stiffness method.

12. The course objectives of "Soil Mechanics" are to be modified. It was suggested to add light and heavy compaction under Unit-III and also expand CBR test. The syllabus for Soil Mechanics Laboratory was approved by the members. The subject "Foundations engineering" shall be renamed as "Geotechnical engineering".
13. The syllabus for Computer Applications laboratory was approved by the members. However, it was suggested to include super-elevation and flow net problems, if possible.
14. The members suggest that the objectives for the Survey Camp. Topographical features are to be identified in the plots made during the survey camp.

S No.	Name of the member	Signature
01.	Dr. B.Sridhar	
02.	Dr. K.V.L. Subramaniam	
03.	Dr. K. Srinivasa Raju	K. S. Raju
04.	Dr. M. Kumar	
05.	Er. P. Surya Prakash	
06.	Dr. R. Pradeep Kumar	
07.	Dr. B.L.P.Swami	
08.	Dr. M.V. Rama Rao	
09.	Sri. M. Bhasker	
10.	Sri. G. Shravan Kumar	
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