

**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, HYDERABAD- 75
CIVIL ENGINEERING DEPARTMENT**

Minutes of 9thBoS meeting held on 19th April 2018 at 10.30AM in the Conference hall, CBIT.

Members Present

1. Dr. P.Ravinder Reddy, Principal, CBIT, Special Invitee.
2. Dr. M.Koti Reddy, Professor & Head, CED, Chairman.
3. Dr. K.V.L. Subramaniam, Head, CED, IIT Hyderabad, Member.
4. Dr. V.Bhikshma, Professor & Head, CED, UCE (A), OU, Hyderabad, Member
5. Dr.R.Srinivas Kumar, Assistant Professor, CED, UCE (A), OU, Hyderabad, Member
6. Dr.K.S.Raju, Professor , CED, BITS, Hyderabad, Member
7. Sri.C.Shekar Reddy, Past President CREDAI, India, Member
8. Dr.K.JagannadhaRao, Professor, CED, CBIT, Hyderabad, Member
9. Dr.K.Tirumala Reddy, Professor, CED, CBIT, Hyderabad, Member
10. Dr.M.V.KrishnaRao, Professor, CED, CBIT, Hyderabad, Member
11. Dr.M.V.RamaRaju, Professor, CED, CBIT, Hyderabad, Member
12. Sri. P.SreenivasSarma, Professor, CED, CBIT, Hyderabad, Member
13. Sri.S.S.V.Chalam, Professor, CED, CBIT, Hyderabad, Member
14. Dr.N.R.Dakshina Murthy, Associate Professor, CED, CBIT, Hyderabad, Special invite
15. Sri.R.Ranga Reddy, Assistant Professor, CED, CBIT, Hyderabad, Member

The following members expressed their inability to attend the meeting:-

1. Dr. Pradeep Kumar Ramancharla, Professor & Registrar, EERC, IIIT, Hyderabad, Member
2. Sri. A. Balaji Rao, Associate Professor, CED, CBIT, Hyderabad, Member

Agenda:

Chairman welcomed all the members and read out the agenda for the meeting.

Item 1. Briefing about minutes of recent Academic Council meeting:-At the outset he briefed about the minutes of the recent academic council meeting, under item 1 of the agenda. He also briefed about the minutes of 8th BOS meeting.

Item 2. Consideration of syllabus for V & VI semester subjects of BE course under CBCS:-

The scheme of instruction, subjects and syllabus were proposed by the department and the board has approved the same with the following suggestions.

General:-

1. Number of course objectives and outcomes may be kept uniform for all subjects (i.e., either 5 or 6)
2. A uniform standard pattern may be followed for listing the references.
3. Latest edition of books may be included.
4. The maximum number of text books may be limited to 2.

Specific:- 5th Semester Subjects:-

1. RCD - I:
 - a) In unit - 4, "Introduction to yield line analysis of slabs" may be added at the end
 - b) In unit - 5, "Types of Foundations and IS Specifications" may be added at the beginning of footings topic.
2. In Soil Mechanics last two topics of Unit - II may be either expanded or blended with other topics at appropriate locations
3. In concrete Technology, Geo-polymer concrete and Self Curing Concrete may be included under special concretes topic of Unit - V
4. In Fluid Mechanics, Unit III & Unit V may be re-written and they may be made compatible with other units, so that uniform distribution of syllabus is made.
5. For Advanced Strength of Materials", latest edition of books may be included
6. In Fluid Mechanics lab, model preparation and model demonstration may be included. Further, EPA net type of open source software may be used.
7. In Environmental Engineering lab also, use of open source software may be made.
8. In concrete laboratory, 9th experiment can be "Determination of Mechanical properties of Concrete"
9. Mix design may be included
10. One initial lecture on "IS codes, procedures and implications of tests" may be arranged. Total number of experiments may be split into two cycles.

VI Semester Subjects:

1. In "Theory of Structures - II" any of the two references may be brought into the suggested reading.
2. In Reinforced Concrete Design - II, it is resolved to request for additional 2 periods (Tutorials) for the subject.
3. In Water Resource Engineering - I; R. C. Patra's book may be included in the references list.
4. In Foundation Engineering, the Topic of Augor boring may be included. Also, a mention of IS codes, with special reference to pile foundations may be made.
5. In FEM, the word "Variational" may be avoided. A book by Cook may be included in the suggested reading category.
6. In GIS & Remote Sensing, GIS may be expanded, "Geo Referencing may be added at the end of the unit - II. In Unit V, the last topic may be changed as "General applications". Navigational parameters required for traffic engineering may be added.
7. In the subject Advanced Mechanics of Materials (AMM), Fuzzy Logic & Expert systems topics "Soft Computing, genetic algorithms, Evolution algorithms" etc can be added
8. In Soil Mechanics lab, "Augor Bores and spoon sampling may be added in the list.
9. In Hydraulics lab, more emphasis may be given to simulation experiments.
10. In transportation Engineering Lab, "Bitumen stiffening test by static immersion" may be added in the list, in Group - D.

Item.3:-Consideration of scheme of instruction of BE course as per AICTE model curriculum:-

Pertaining to the model curriculum proposed by the department in line with the one directed by the AICTE, one of the experts expressed his doubt that "can we really change the credits and subject titles?" He also felt that a 20% variations in syllabus may be permitted but not in the credits. Chairman clarified that the matter will be discussed in the Academic Council meeting and an appropriate decision will be taken. After this the board has approved the proposal with the following observation(s):

a. In semester VI under core electives 3 and 4, Structural Analysis - II and Advanced Structural Analysis were listed. It is better to verify the syllabi of these two subjects and decide whether they can be offered in parallel or in two different semesters.

Item 4:-Consideration of syllabus for I and II Semester of BE course as per AICTE model curriculum:-

The syllabus for the subject of "Engineering Mechanics" proposed by the department to be offered in I and II Semesters to various branches including Civil Engineering, under AICTE Model curriculum, was approved by the board.

Item 5:-Consideration of scheme of instruction and syllabus for I, II, III and IV Semesters of ME course as per AICTE model curriculum:-

The scheme of instruction proposed by the department for ME (Structural Engineering) in semester I to IV, in line with the model curriculum of AICTE was approved by the board. The following changes proposed by the department were also upheld.

- a) The subject of "Design of form work" is to be replaced by a subject on "Repair and Retrofitting of structures".
- b) The subject of "Analysis of Laminated composites" is to be replaced by a course on "Bridge engineering".

As there were no other items to be discussed, the chairman thanked all the members and the meeting concluded.


Chairman, BOS25/041