

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

Date: 16-05-2023

Minutes of 14<sup>th</sup> BoS meeting held online on 15<sup>th</sup> May 2023 at 10.00 AM

**Members Present:**

S. No.	Name	Organization
1.	Dr. K. Jagannadha Rao	Professor & Head, Chairman, BoS, CED, CBIT, Hyderabad
2.	Dr. C.B. Kameshwar Rao	Former Professor, CED, NITW
3.	Dr. V. Bhikshma	Professor, CED, O.U.
4.	Dr. K. L. Radhika	Professor, CED, O.U.
5.	Er. K. Bhikshapathi	Director General, National Academy of Construction
6.	Dr. Hari Prasad	Asst. Professor, Mahindra, University Ecole Centrale School of Engineering.
7.	Dr. M V S Sreedhar	Professor, CED, O.U.
8.	Dr. K V L Subramanium	Professor, CED, IITH
9.	Er. Surya Prakash	Director, Satyavani Consultants
10.	Dr. N. R. Dakshina Murthy	Assoc Professor, Internal BoS member, CED, CBIT, Hyderabad
11.	Dr. A. Balaji Rao	Assoc Professor, Internal BoS member, CED, CBIT, Hyderabad
12.	Shri. Ranga Reddy	Asst Professor, Internal BoS member, CED, CBIT, Hyderabad
13.	Smt. N. Lalitha Kumari	Asst Professor, Special Invitee, CED, CBIT, Hyderabad
14.	Dr. D Bharat	Asst Professor, Special Invitee, CED, CBIT, Hyderabad

Chairman, BoS welcomed all the members and appraised them of the agenda. The main agenda of the meeting is (i). to discuss the proposed R-22 scheme and syllabi of various courses for III and IV semesters of the UG curriculum and (ii). R-23 scheme and syllabi of various courses for all semesters of the PG curriculum.

**ITEM 1:** Chairman presented the major changes made in the proposed R-22 curriculum for UG; -

- BCP & CT course of III sem is split into 2 courses i.e., BCP in III sem and CT in IV sem, both for 2 credits.
- Credits for Universal Human values course are reduced from 3 to 1.
- Indian Traditional Knowledge course is removed from the curriculum and is offered as a value-added course for a duration of 30 hours separately.
- Computer aided drafting lab of IV sem is swapped with Solid Mechanics lab of III sem.

- Credits for Computer Aided Drafting lab are reduced from 2.5 to 1 credit by removing the tutorial class (as the software is already introduced in II SEM.)
- Credits for Hydraulic Engineering lab, Surveying & Geomatics lab, Environmental Engineering Lab, Soil Mechanics Lab, Concrete Technology Lab & Computer Applications, are increased from 1 to 1.5.
- Credits for Engineering Geology lab are reduced from 2 to 1.
- Two new electives are introduced in VII sem i.e., "Rural Water Supply" and "Onsite Sanitation Systems & Contaminant Transport Modelling".

The board accepted III and IV semester syllabi of all courses of R-22 UG curriculum with the following observations and suggestions: -

- The members pointed out that concrete technology course should be of 3 credits as it is one of the most important subjects for a civil engineer. They also suggested that as there is a lot scope for research in materials, more emphasis should be laid onto the course.
- Prof. Bhikshma suggested that geopolymers concrete can be shifted to special concretes section of unit-5 in concrete technology course.
- Prof K. L. Radhika suggested that the Clapeyron's theorem for analysis of continuous beam to be introduced in Unit-II of Structural Analysis - I course.
- Prof K.L. Radhika commented that concrete technology course is in III semester and concrete technology lab is in VII sem. Any lab should be accompanied with the theory course, so it is better to reframe the scheme and try to accommodate both the course and lab in same semester.
- Er. Bhikshapati commented that industry experts feel students lack in practical aspects after graduation and therefore, students should be trained more on practical aspects. He opined that CIE is more important for learning process and the marks should be more allotted towards CIE by giving lots of assignments, mini projects with relevance to practices/IS codes.
- Prof. M.V.S. Sreedhar suggested that a tutorial class can be added for concrete technology course which will result to no changes in credits. However, Chairman clarified that tutorial class cannot be added without assigning any credits.)
- In response to a query raised by Er. Bhikshapati Chairman gave a justification that a lab course has been introduced in VIII sem which includes about all the basics of civil engineering with relevance to all IS codes. The members appreciated the syllabus and opined that Practical Aspects in Civil Engineering course should be included in VII semester as students can focus more on major project work.

- Prof C.B. Kameshwar Rao raised doubts regarding the internship in final year with 3 credits, which he felt is a difficult task.

ITEM 2: Chairman presented the major changes in scheme of proposed R-23 curriculum for PG:

- Design of advanced concrete structures is brought into the core.
- Two courses, i.e., 'Design of hydraulic structures' and 'Infrastructural Engineering & Management' are introduced as program specific electives.
- Earthquake Resistant Design of Structures is introduced as program specific elective - V.
- Labs: I sem: Structural Design Lab. and Advanced Concrete Lab.  
II sem: Modal Testing Lab. and Numerical Analysis Lab.

The board accepted scheme and syllabi of various courses of R-23 PG curriculum with the following observations and suggestions: -

- Prof C.B. Kameshwar Rao raised that there are courses even in III semester against the regular practice of dedicating the second year towards dissertation work. Chairman justified that in previous curriculum there were no courses in III sem but are now introduced so as to facilitate regular meetings of students with guides and discussions on the major project.
- Prof. Bhikshma suggested to incorporate topics on prefabricated structures in prestressed concrete course.
- Prof. M. V. S. Sreedhar suggested to rename the course "Design of Hydraulic structures" to "Structural Design of Hydraulic Structures".
- Prof. K. L. Radhika opined that merging of labs will not justify experiments of both labs as one of them is based on structural dynamics and other lab based on materials takes a lot of time to perform.
- Prof. K. L. Radhika also suggested to add experiments relating to proof strength and ultimate strength. She expressed that the labs should be retained as same and experiments relating to admixtures can be added in concrete lab.
- Prof. C. B. Kameshwar Rao also agreed to Prof. K. L. Radhika to not merge both the labs and let students focus separately as the experiments are time taking.

Chairman then discussed the inputs from DAB committee and explained that on basis of those comments it was decided to merge both the labs and introduce structural dynamics lab - 2. Prof K.L. Radhika stressed that not all software packages can be trained in a stipulated time.

Chairman also discussed regarding the Honor's and Minor's courses under which 20 credits need be cleared by individual student.

Chairman ended the meeting by thanking all the esteemed members for the suggestions/inputs given by them.

Head, Dept. of Civil Engg.

**PROFESSOR & HEAD**  
Department of Civil Engineering  
Chaitanya Engineering & Technology  
GANDHINAGAR  
9800 075