



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

An Autonomous Institute | Affiliated to Osmania University
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbti.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

45
years

DEPARTMENT OF CIVIL ENGINEERING

MINUTES OF MEETING

Minutes of 15th BoS meeting held online on 03th May 2024 at 2.00 PM

Members Present:

S. No.	Name	Organization
1.	Dr. K. Jagannadha Rao	Professor & Head, Chairman, BoS, CED, CBIT, Hyderabad
2.	Dr. M V S Sreedhar	Professor, CED, O.U.
3.	Dr. K V L Subramaniam	Professor, CED, IITH
4.	Dr. P. Ratish Kumar	Professor, CED, NITW
5.	Er. Ravinder Gupta	Director, D.E.C. Infrastructures, Hyderabad
6.	Er. C Shekar Reddy	Past National President at CREDAI, CMD - CSR Estates Ltd, Chairman-CII-Indian Green Building Council, Hyderabad
7.	Dr. K. Shruthi	Assistant Executive Engineer, CDO, Irrigation Dept, Hyderabad
8.	Dr. C. Ravi Kumar Reddy	Professor Internal BoS member, CED, CBIT, Hyderabad
9.	Dr. N. R. Dakshina Murthy	Assoc Professor, Internal BoS member, CED, CBIT, Hyderabad
10.	Dr. D. Bharath Kumar	Assistant Professor, Internal BoS member, CED, CBIT, Hyderabad
11.	Dr. Jnana Ranjan Khuntia	Assistant Professor, Special Invitee, CED, CBIT, Hyderabad
12.	Dr. Koniki Srikanth	Assistant Professor, Special Invitee, CED, CBIT, Hyderabad
13.	Dr. Angshuman Das	Assistant Professor, Special Invitee, CED, CBIT, Hyderabad
14.	Dr. Kakara Srikanth	Assistant Professor, Special Invitee, CED, CBIT, Hyderabad
15.	Dr. G. Mallikarjuna Rao	Assistant 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 to discuss the proposed R-22 (A) scheme and syllabi of various courses for V to VIII semesters of the UG curriculum.

Agenda:

1. Confirmation of the minutes of 14th BOS Meeting.
2. UG R-22(A) Curriculum Scheme, Structure and Syllabi for I to VIII sem Courses.
3. UG (R-22) Curriculum Scheme, Structure for I semester to IV semester.
4. Any other item with the permission of the chair

The HoD briefed the Minutes of 14th BoS and all the members of BoS conformed the same.

Chairman discussed the major changes in scheme of proposed R-22(A) curriculum for UG: -

- Community Engagement course (1.5 credits) in R22 has been reduced to 1.0 credit in R22 (A).
- Robotics & Drones Lab course (3 credits) has been reduced to 2.5 credits in R22 (A).
- English course in R22 of II Semester is moved to I Semester in R22 (A).
- English Lab course in R22 of II Semester is moved to I Semester in R22 (A).
- Problem Solving and Programming course in R22 is moved to II Semester and the course name is modified as Problem solving and Programming with Python in R22 (A).
- Problem Solving and Programming Lab in I semester of R22 is moved to II semester and course name is modified as Problem Solving and Programming with Python Lab in R22 (A).
- CAD AND DRAFTING course in II Semester of R22 course name is modified as Engineering Drawing in R22 (A).
- Digital Fabrication Lab course in II Semester of R22 course name is modified as Digital Fabrication Workshop in R22 (A).
- BCP course in R22 in III semester with 2 credits is modified to Building Materials and Construction Practices in R22 (A) in III semester with 3 credits.
- Indian Constitution & Fundamental Principles course in III semester of R22 is moved to IV semester in R22 (A).
- Upskilling Certification Course-I is added in IV semester R22 (A) with 0.5 credits.
- Upskilling Certification Course-II is added in VI semester R22 (A) with 0.5 credits.
- Mini Project is added as new course in R22 (A) with 2 credits.
- Data Analytics and Visualization Lab for Civil Engineering is offered as Value Added Course in VII semester.
- Repair and Rehabilitation of Structures course in PE6 is moved to PE-5.
- One new professional elective has been introduced in VII sem i.e., Introduction to Tall Buildings.
- Four new open electives have been introduced i.e., Green Buildings for Sustainable Infrastructure, Project Planning and Management, Intelligent Transport Systems (ITS) and Environmental Pollution Management.

BOS members accepted V and VIII semester syllabi of all courses of R-22 (A) UG curriculum with the following observations and suggestions: -

- The concrete technology lab course is placed in VII semester while the Concrete technology theory course is in IV semester. The Lab course in VII semester may be moved to IV semester. HOD explained that there is no possibility to move the concrete

technology lab to the other semesters as it has 1.5 credits while the laboratory courses in the V semester are with one credit.

- A question was raised that how the evaluation of Rural Internship is done. HOD explained the standard rubrics to evaluate the Rural Internship and he mention that a committee is constituted to see that the evaluation is done as per rubrics.
- Students can be encouraged to do project in the industry in VIII semester and students might face a problem if they are having the courses in VIII semester. HOD informed that such students are permitted.
- Replace the open elective (APC) with Building Technology or any other latest course.
- Geotechnical Engineering is kept in VI semester and only one theory course and one Lab course is floated in geotechnical domain. The foundation Engineering course is not accommodated in the core course. HOD replied that the department tried to accommodate Foundation Engineering in Core courses but due to shortage of credits was not possible to accommodate in the curriculum and same is floated as an elective course.
- Employability is coming down year by year and the members suggested to send the students to nearby projects and showcase the models in the college to correlate theory with practical, If possible, try to send the students to do internship in every semester. HOD replied that some core courses like Reinforced concrete design and Design of steel structures, students were taken to the nearby sites and explained about the structural components to correlate the theory with practical concepts.
- Students coming out of the college should have at least 6 months experience in the industry. Members suggested that internship, practical projects, etc. would be helpful for the students to enhance their practical knowledge and fundamentals like DPR, BOQs, concrete materials and making can correlate theory with practice. Industry standards of different labs can be explained properly for the students and by taking them to various industry visits.
- Students can start working on the problem at the mini project level such that it can be helpful for them to publish their project work in VIII semester.

HOD appraised minutes of DAB meeting to all the BoS members.

Later Dr. C. Ravi Kumar Reddy presented the syllabus of R22 (A) from V to VIII semester.

Some of the suggestions given are:

- Add latest NBC code, and make changes of Masonry in unit IV and Plumbing in Unit-V in BMCP course.
- Provide online resources for the courses possible.
- Add lift irrigation system and network system in Hydrology and Water Resource Engineering course. HOD suggested to reduce some content and add additional content by removing the existing content.

- Add Geosynthics, overview of stabilization topics in Ground Improvement technique course, and also a topic on Machine foundations in the Foundation Engineering course.

➤ **Actionable Items:**

The following are the actionable items based on the suggestions from the BoS members:

1. BoS members opined that concrete technology lab course is placed in VII semester while the Concrete technology theory course is in IV semester. The Lab course in VII semester may be moved to IV semester. HOD explained that there is no possibility to move the concrete technology lab to the other semesters as it has 1.5 credits while the laboratory courses in the V semester are with one credit.
2. The Geotechnical Engineering is kept in VI semester and only one theory course and one Lab course is floated in geotechnical domain. The foundation Engineering course is not accommodated in the core course. HOD replied that we tried to accommodate Foundation Engineering in Core courses but due to shortage of credits it is not possible to accommodate in the curriculum and same is floated as an elective course.
3. To add latest NBC code, and make changes of Masonry in unit IV and Plumbing in Unit V in BMCP course.
4. To add lift irrigation system and network system in Hydrology and Water Resource Engineering course. HOD suggested to reduce some content and add additional content by removing the existing content.
5. To add Geosynthics, overview of stabilization topics in Ground Improvement technique course, and also a topic on Machine foundations.

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



Head, Dept. of Civil Engg.

PROFESSOR & HEAD
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