



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**
Kokapet (Village), Gandipet, Hyderabad, Telangana-500075. www.cbit.ac.in



Department of Civil Engineering

Date: 10-04-2021

Dear esteemed member,

Greetings from the Department of Civil Engineering, CBIT

I profusely thank you for your commitment to put your efforts for the development of curriculum in the Civil Engineering subjects of B.E. (Civil) programme at CBIT.

I am pleased to inform you that the 12th BoS meeting for Civil Engineering is scheduled online on **12-04-2021 at 02.00 PM** through **Google meets**, with the following agenda.

1. Finalisation of R-20 Curriculum for B.E. III - VIII semesters.
2. Detailed syllabi of III and IV semesters (R-20).
3. Any other item with the permission of the chair.

It is requested to make it convenient to attend the meeting and give your valuable suggestions.

Thank you

Note: Link is sent to your official email.

Dr. K. Jagannadha Rao
Head & Chairman, BoS
Dept. of Civil Engg.



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COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

42
years

12th BOS MEETING HELD ONLINE ON 12TH APRIL 2021

The screenshot shows a video conference window. The main part of the window displays a presentation slide with two tables. The left table is titled 'Semester I' and the right table is titled 'Semester II'. Both tables list various courses and their credit values. A small video feed of a man is visible in the bottom right corner of the presentation window.

Semester I		
Sl. No.	Name of the Course	Credit
1	Engineering Mathematics - I	3
2	Engineering Physics - I	3
3	Engineering Chemistry - I	3
4	Engineering Graphics - I	3
5	Engineering English - I	3
6	Engineering Mathematics - II	3
7	Engineering Physics - II	3
8	Engineering Chemistry - II	3
9	Engineering Graphics - II	3
10	Engineering English - II	3
11	Engineering Mathematics - III	3
12	Engineering Physics - III	3
13	Engineering Chemistry - III	3
14	Engineering Graphics - III	3
15	Engineering English - III	3
16	Engineering Mathematics - IV	3
17	Engineering Physics - IV	3
18	Engineering Chemistry - IV	3
19	Engineering Graphics - IV	3
20	Engineering English - IV	3
21	Engineering Mathematics - V	3
22	Engineering Physics - V	3
23	Engineering Chemistry - V	3
24	Engineering Graphics - V	3
25	Engineering English - V	3
26	Engineering Mathematics - VI	3
27	Engineering Physics - VI	3
28	Engineering Chemistry - VI	3
29	Engineering Graphics - VI	3
30	Engineering English - VI	3

Semester II		
Sl. No.	Name of the Course	Credit
1	Engineering Mathematics - I	3
2	Engineering Physics - I	3
3	Engineering Chemistry - I	3
4	Engineering Graphics - I	3
5	Engineering English - I	3
6	Engineering Mathematics - II	3
7	Engineering Physics - II	3
8	Engineering Chemistry - II	3
9	Engineering Graphics - II	3
10	Engineering English - II	3
11	Engineering Mathematics - III	3
12	Engineering Physics - III	3
13	Engineering Chemistry - III	3
14	Engineering Graphics - III	3
15	Engineering English - III	3
16	Engineering Mathematics - IV	3
17	Engineering Physics - IV	3
18	Engineering Chemistry - IV	3
19	Engineering Graphics - IV	3
20	Engineering English - IV	3
21	Engineering Mathematics - V	3
22	Engineering Physics - V	3
23	Engineering Chemistry - V	3
24	Engineering Graphics - V	3
25	Engineering English - V	3
26	Engineering Mathematics - VI	3
27	Engineering Physics - VI	3
28	Engineering Chemistry - VI	3
29	Engineering Graphics - VI	3
30	Engineering English - VI	3

Dr. K. Jagannadha Rao discussing about the distribution of credits

The screenshot shows a video conference window. The main part of the window displays a presentation slide titled 'Suggested Reading'. The slide lists three references. A small video feed of a man is visible in the bottom right corner of the presentation window.

Suggested Reading:

1. K. Manoj K. Arora and R. C. Badharia, "Geomatics Engineering", New Chand & Bhai, 2011
2. A. M. Chandra, "Higher Surveying", Third Edition, New Age International (P) Limited, 2002.
3. M. Anji Reddy, "Remote sensing and Geographical information system", B.S. Publications, 2001.



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CIVIL ENGINEERING DEPARTMENT

Date: 20-04-2021

Minutes of 12th BoS meeting held online on 12th April 2021 at 2 .00PM

Members Present:

S. No.	Name	Organization
1.	Dr. C.B. Kamehswar Rao	professor, NIT, Warangal
2.	Dr. Hari Prasad	Asst. Professor, Manhindra, University Ecole Centrale School of Engineering.
3.	Dr. K. L. Radhika	Professor, CED, UCoE , O.U
4.	Er. K. Bhikshapathi	Director General, National Academy of Construction
5.	Er. T. Krishna	Vice President & Head Hydrel & Tunnels Business Unit., L&T, Chennai
6.	Dr. K. JagannadhaRao	Professor & Head, CED, CBIT, Hyderabad, Chairman.
7.	Dr. M. Koti Reddy,	Professor, Internal BoS member
8.	Sri. S.S.V. Chalam,	Professor, Internal BoS member
9.	Sri. P. Sreenivas Sarma	Professor, Internal BoS member
10.	Dr. A. Vimala	Professor, Internal BoS member
11.	Sri. A. Balaji Rao	Assoc. Professor, Internal BoS member
12.	Sri. R. Ranga Reddy	Asst. Professor, Internal BoS member
13.	Dr. P. Yugendar	Asst. Professor, Internal BoS member

Chairman, BOS welcomed all the members and apprised them of the agenda. The main agenda of the meeting is to discuss the proposed R20 curriculum and syllabus for III and IV semesters of the curriculum. The chairman presented the contents of the proposed curriculum and the syllabus for III and IV semesters. The board, after a thorough discussion, approved the proposed curriculum and the syllabus for III and IV semesters of B.E course with the following observations and suggestions. (Items i and ii) The board also discussed the proposed course in Practical skills in Civil Engineering item iii) and few aspects of additional minor degree (item iv).

i. R 20 Curriculum

The following are the suggestions made with regards to R20 curriculum.

- Er. K. Bhikshapathi suggested to consider Precast Construction as a possible PEC.

- Prof. Hari Prasad suggested that, Foundation Engineering (V sem) may be shifted from elective to Core set and Construction management (VI sem) may be shifted from core to elective. He also suggested to rename GT-1 as GT, as there is no subject like GT-2. It was suggested to show 2 hours only in the curriculum for lab courses as only one credit is given for each lab course.
- Prof. C.B. Kameswara Rao expressed that, it will be difficult for the students to undergo internships proposed in VII and VIII semesters while attending the regular class work. He expressed that, it would be difficult for the department also to arrange internships for all the students. The chairman told that the matter would be taken up with the concerned authorities of the institute.
- Prof. C.B. Kameswara Rao expressed that the elective subject Basics of Earthquake Engineering needs knowledge of Structural Dynamics as pre requisite. It was clarified that the syllabus consists of two units on Structural Dynamics.

ii. Syllabus for III and IV semesters

The following suggestions are made with reference to the syllabus of III and IV semesters of B.E course.

1 SURVEYING-1 (III SEM)

- Er. K. Bhikshapathi suggested that, more emphasis may be laid on modern surveying techniques and do away with traditional surveying methods which have become obsolete.

2 BUILDING CONSTRUCTION PRACTICE AND CONCRETE TECHNOLOGY (III SEM)

- Er. K. Bhikshapathi suggested that blocks and block masonry may be included in the syllabus.

3 REINFORCED CONCRETE DESIGN-1 (IV SEM)

- Prof. C.B. Kameswara Rao opined that, less emphasis may be laid on working stress method which is included in I unit of RCD-1. It was brought to the notice of the board that, structures like water tanks are still being designed by WSM, hence it was agreed upon to retain the unit I with the proposed content.

iii. Course in Practical skills in Civil Engineering

The proposal to introduce a course in Practical skills in Civil Engineering (mandatory and non credit course) was put in front of the board and the proposed syllabus was presented to the members. The proposal was well appreciated. However Prof. C.B. Kameswara Rao expressed that, a very useful course like this deserves some credits and cannot go as a non credit course. It is decided that, this matter would be taken up with the concerned authorities of the institute.

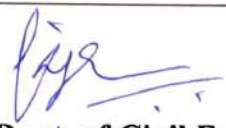
iv. Honours degree/ Additional minor degree

Prof. C.B.Kameswara Rao expressed concern about the 20 additional credits to be earned by the student for the award of Honours / Additional minor degree. It is felt that, besides 160 regular credits, effort to earn an additional 20 credits may effect the performance of the student's regular

course work. Keeping this in view, it is suggested that, instead of 20 additional credits, 15 credits may be considered for the award of Honours/ Additional minor degree.

Action taken Report: Based on the detailed discussions in the department on the modifications suggested in the BOS meeting, the following are the actions proposed to be taken.

Suggestion made		Actions proposed to be taken
R20 curriculum		
i	Consider Precast Construction as a possible PEC	Will be included
ii	Suggested that Foundation Engineering be shifted from elective subject to core subject and Construction Management be made an elective subject which is in core subjects list now	Construction Engineering being core subject, It is retained as it is. It is also there in the IV Sem of University College (A), OU. Also, recently, It's been included in the curriculum of affiliated colleges of JNTU as core subject after a lengthy debate and discussions, as informed by Er P. Surya Prakash.
iii	Rename GT-1 as GT	Will be renamed as suggested
iv	Show 2 hours for lab course	Suggestion will be implemented
v	Concern raised that the elective subject "Basics of Earthquake Engineering" needs knowledge of Structural Dynamics as pre requisite	The first two units of the syllabus is on Structural dynamics, hence concern taken care of.
Syllabus for III and IV semesters		
i.	Surveying-I&II (iii & iv sem)	More emphasis may be laid on modern surveying techniques and do away with traditional surveying methods which have become obsolete
ii.	Building Construction Practice and Concrete Technology (ii Sem)	Based on the suggestion made, the syllabus of Surveying 1 and surveying 2 has been rearranged, which enables the introduction of a new unit on LiDAR survey.
iii.	RCD-1(IV sem)	The department has decided to include AAC and CLC blocks and the corresponding masonry in the syllabus.
		Less emphasis may be laid on working stress method which is included in the I unit of RCD-1
		Structures like water tanks are still being designed by WSM, Hence it was agreed upon to retain the unit I with the proposed content.
Course in Practical skills in Civil Engineering		
Suggestion to allot some credits to the course		One credit will be reduced for RCD-2,(from 4 credits to 3 credits) and that credit will be allotted to this course
Honours degree/ Additional minor degree		
Proposal to reduce the credit requirement from 20 to 15		The decision with regards to this item should be taken at institute level. The proposal will be taken up with the concerned authorities


Head, Dept. of Civil Engg.