

Date: 22-07-2020

Greetings from the Department of Civil Engineering, CBIT

Dear esteemed member,

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 11th BoS meeting for Civil Engineering is scheduled online on 27-07-2020 at 10.00 AM through Google meets, with the following agenda.

1. Review of R-18 Curriculum for B.E. V - VIII semesters
2. R-20 Curriculum structure for 8 semesters
3. Any other item with the permission of the chair

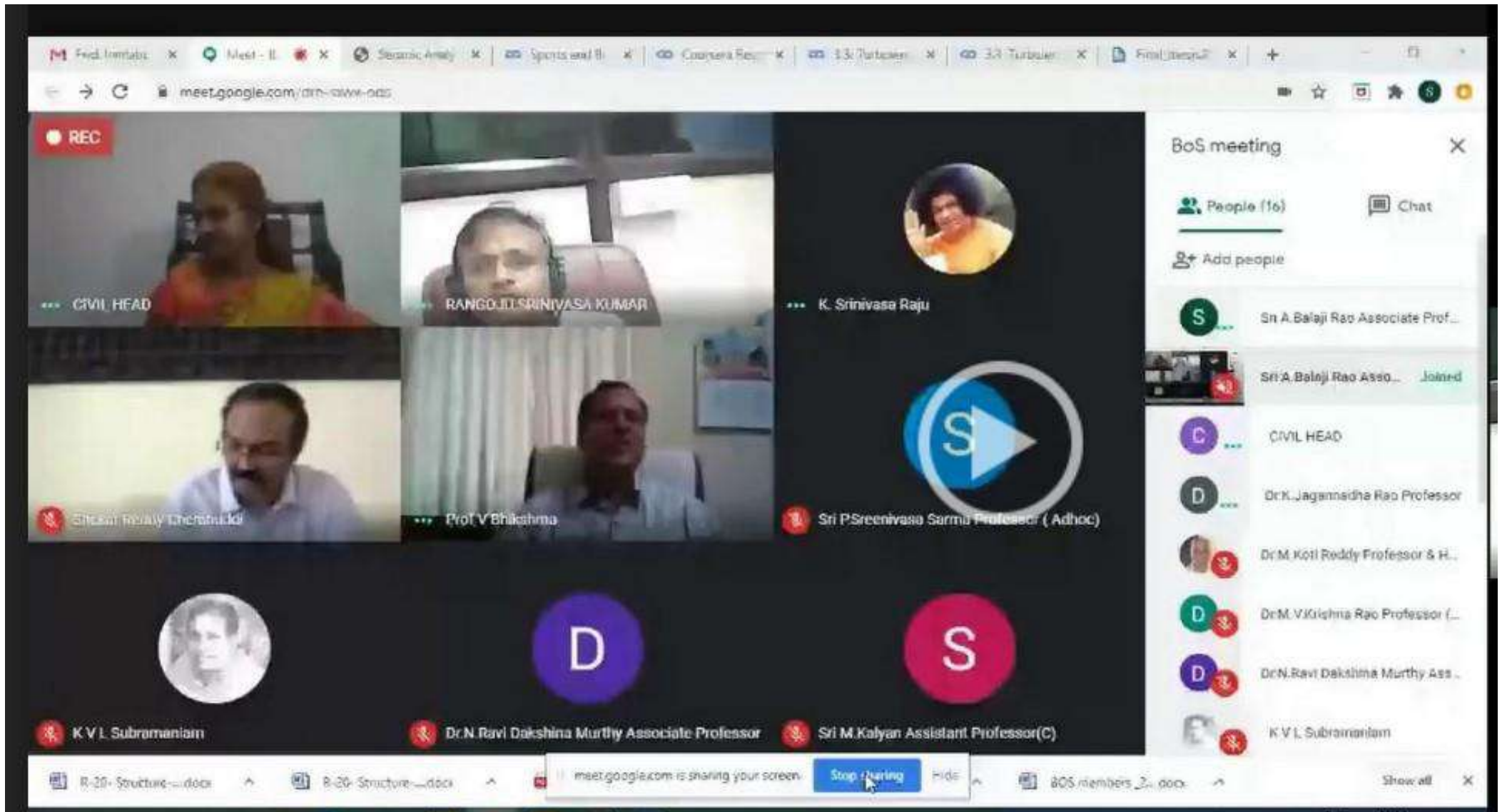
It is requested to make it convenient to attend the meeting and give your valuable suggestions.

Thank you

Dr. A. Vimala

Head, Department of Civil Engineering, CBIT

Chairman, BoS for Civil Engineering



11th BOS MEETING ON 27th July 2020

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

Minutes of meeting:

Minutes of 11th BoS meeting held on line on 27th July 2020 at 10.00AM

Members Present

1. Dr. P.Ravinder Reddy, Principal, CBIT, Special Invitee.
- 2..Dr. A.Vimala, Prof. & Head, CED, Chairman
3. Dr. V.Bhikshma, Professor, CED, UCE(A), OU, Hyderabad, Member
4. Dr. KVL.Subramaniam, Professor, CED, IIT, Hyderabad, Member
5. Dr. Pradeep Kumar Ramancharla, Professor, IIIT, Hyderabad, Member
6. Dr.KS.Raju, Professor, CED, BITS, Hyderabad, Member.
7. Dr.R.Srinivas Kumar, Associate Professor, CED, UCE(A), OU, Hyderabad, Member
8. Sri.C.Shekar Reddy, Past President CREDAI, India, Member
9. Dr.K.JagannadhaRao, Professor, CED, CBIT, Hyderabad, Member
- 10.Dr. M.Koti Reddy, Professor, CED, CBIT, Hyderabad, Member
11. Dr.M.V.KrishnaRao, 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. Sri.A.BalajiRao, Associate Professor, CED, CBIT, Hyderabad, Member
15. Dr.N.R.Dakshina Murthy, Associate Professor, CED, CBIT, Hyderabad, Special invite
16. Sri.R.Ranga Reddy, Assistant Professor, CED, CBIT, Hyderabad, Member

Chairman, BOS welcomed all the members and special invitee and appraised them of the agenda for the meeting. The following items were taken up for discussion

Item – 1:Review of R18 curriculum for BE V-VIII semesters

The board, after a thorough review of the syllabus of R18 curriculum has approved the same, with the following observations and suggestions

i. approved the inclusion of three new subjects **Applications of Artificial Intelligence in Civil Engineering, Applications of Data Analytics in Civil Engineering and Applications of Block Chain Technology in Civil Engineering** in to core elective set.

ii. The following is the list of modifications suggested in various subjects

Advanced Structural Analysis - suggested to rename the subject as Structural Anlysis–III -

Concrete Technology –suggested to include Geopolymer Concrete and Bacterial Concrete in the topic “Special concretes”(unit V)

Watershed management –suggested to include rain harvesting designs in Unit III -

Environmental Engineering, and Water and Air Quality Modeling – suggested to check if there is any overlap of contents

Prestressed Concrete -suggested to rearrange the contents of the syllabus

Item – 2: Scheme of R20 curriculum for BE - 8semesters

The board, after a thorough review of the scheme of R20 curriculum has approved the same, with suggestions for modifications wherever necessary.

- i. The proposal to swap Engineering Mechanics-II and Computer Aided Drafting was approved by the board. Accordingly, Engineering Mechanics-II will be moved from III semester to II semester and Computer Aided Drafting will replace it which leads to an increase of 0.5 credits in the second semester (from 20 to 20.5) which will not effect the promotion criteria.
- ii. Suggested to move the subject “Building construction and Concrete Technology” from IV semester to III semester
- iii. It was pointed out that there is long time gap between the concrete theory course (III sem) and lab course(VII sem)
- iv. Suggested to Change the syllabus of Computer Aided Drafting
- v. Suggested to assign credits to noncredit mandatory courses.

Any Other item with the permission of the chair

M.E (structural Engineering)

A few changes in M.E (Structural Engineering) course, was taken up with the permission of the chair. The board after a thorough review of the proposals, approved the following items

- i. The three POs for PG Program listed by NBA are adopted & the 4th PO was formulated by the department and was approved by BoS members. The same will be implemented in the PG Curriculum from the year 2020-21.
- ii. The proposal to include the subject “Design of High Rise Structures” in the core subjects set and move “Advanced structural analysis” from core set to elective set, was approved.
- iii. The syllabus for the subject Design of High Rise Structures was discussed and approved
- iv. It was suggested to have Finite element Methods and Structural Dynamics in the first semester core subjects set and the other two core subjects Design of High Rise Structures and Advanced Solid Mechanics in the second semester

Honours degree and Additional Minor degree [†]

The members were apprised of the requirements to acquire Honours degree and Additional Minor degree. The list of subjects for both degrees will be sent to the members for approval.

Note: List of subjects sent and approved by external BoS members.

Compliance Report:

The following is the list of modifications suggested and the actions taken

	Suggestion made	Measures taken
R18 curriculum		
i	Advanced Structural Analysis to be renamed as Structural Analysis - III	incorporated
ii	Concrete Technology –suggested to include Geopolymer Concrete and Bacterial Concrete in the topic “Special concretes”	Suggested topics included
iii	Environmental Engineering, and Water and Air Quality Modelling – suggested to check if there is any overlap of contents	Checked and did not find any overlap
iv	Watershed management –suggested to include rain harvesting designs in Unit III -	Topic on Design of Rain water Harvesting is included
v	Prestressed Concrete - suggested to rearrange the contents of the syllabus	If rearranged, the balance among various units is getting disturbed. Hence the current layout of the syllabus is retained
R 20 curriculum		
i	Suggested to move the subject “Building construction and Concrete Technology” from IV semester to III semester	Change incorporated
ii	It was pointed out that there is long time gap between the concrete theory course (III sem) and lab course(VII sem)	“Concrete Technology and Special Concretes” is introduced in VII semester as an elective
iii	Suggested to Change the syllabus of Computer Aided Drafting	Changed the syllabus and attached for your comments
iv	Suggested that mandatory courses which are noncredit are to be assigned with some credits	This point will be brought to the notice of the administration of the institute
M.E (Structural Engineering)		
	Suggested to revise POs in R-20 Curriculum. It was suggested to have Finite element Methods and Structural Dynamics in the first semester core subjects set and the other two core subjects Design of High Rise Structures and Advanced Solid Mechanics in the second semester	Incorporated