



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

DEPARTMENT OF CIVIL ENGINEERING

**MINUTES OF THE MEETING OF FOURTH BOARD OF STUDIES
MEETING HELD ON 15-03-2022 AT 2:00 PM IN ONLINE MODE TOWARDS
CONSIDERING THE PROPOSED R2021 UG PROGRAMME, B.E. - CIVIL
ENGINEERING CURRICULUM & SYLLABI (III SEMESTER AND IV
SEMESTER), UG RELATED AMENDMENTS AND DISCUSSIONS, COMMON
CURRICULUM IN THE DEPARTMENT OF CIVIL ENGINEERING.**

Platform: Microsoft Teams

Meeting Link: <https://tinyurl.com/2ajaedwh>





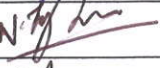





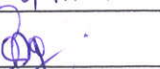



Dr. R. Lakshmi / Head of the Department - (Department of Civil Engineering) welcomed all the members of the Board of Studies and Faculty members of Civil Engineering department to the fourth BOS meeting.

The following members were present:

S.No	Name of the Expert	Designation	Capacity
1	Dr.G.Chitra	Professor Department of Civil Engineering Thiagarajar College of Engineering Madurai	Anna University Nominee
2	Dr.S.Jayalekshmi	Professor Department of Civil Engineering NIT	Expert member Nominated by Academic council

		Trichy	
3	Dr.G.Janarthanan	Associate Professor Center for Environmental Management NITTTR CSIR Road Chennai	Expert member Nominated by Academic council
4	Er.L.Balaji	International Professional Engineer & Registered Valuer	Industrialist Nominee
5	Er.P.Karthick	Project Associate SERC Chennai	Alumni Nominee

Internal Members of BoS – CIVIL Department

S.No	Name	Designation	
1.	Dr.R.Lakshmi	Professor and Head / CIVIL, Chairman of BoS – CIVIL	
2.	Dr. S.P.Murali Kannan	Assistant Professor / CIVIL	
3.	Mrs.S.Thahira Banu (Ph.D.,)	Assistant Professor / CIVIL	
4.	Mr.P.Ponkarthikeyan (Ph.D.,)	Assistant Professor / CIVIL	
5.	Mr.N.Jegan Durai (Ph.D.,)	Assistant Professor / CIVIL	
6.	Mr.D.Velumani (Ph.D.,)	Assistant Professor / CIVIL	
7.	Mr.A.Krishnamoorthy	Assistant Professor / CIVIL	
8.	Mr.M.Subahar (Ph.D.,)	Assistant Professor / CIVIL	
9.	Mr.P.Ganesh Prabhu (Ph.D.,)	Assistant Professor / CIVIL	
10.	Mrs.B.Deepa (Ph.D.,)	Assistant Professor / CIVIL	
11.	Mr.R.Ganesh	Assistant Professor / CIVIL	
12.	Ms.S.Brintha	Assistant Professor / CIVIL	
13.	Mrs.R.Sangeetha	Assistant Professor / CIVIL	
14.	Mr.K.Hariharan	Assistant Professor / CIVIL	

Dr.R.Lakshmi (Head of the Department) Department of Civil Engineering welcomed the gathering and gave a brief introduction about the Expert members, alumni and faculty members from the Department of Civil Engineering, and the programme agenda. Dr.S.P.Murali Kannan (Co-ordinator UG Courses) started the general discussion with R2021 UG Programme curriculum and syllabi of 3rd and 4th semester of Civil Engineering and Mr.N.Jegan Durai (Department BOS Co-ordinator) continued with detailed explanation of the suggestions and recommendations received from all stakeholders for Regulation 2021 and presented the same.

Discussions and Recommendations:

- HOD/CIVIL gave a brief presentation about the department and review of the Minutes of the Third BoS meeting.
- Mr.N.Jegan Durai (Department BOS Co-ordinator) presented the R2021 UG Curriculum, B.E. - Civil Engineering for B.E. - CIVIL (3rd and 4th semester.)

CURRICULUM - III AND IV SEMESTER (R2021)

SEMESTER III

SI. No.	COURSE CODE	COURSE TITLE	CATEG ORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA2201	Transforms and Boundary Value Problems	BS	3	1	0	4	4
2.	CE2201	Construction Materials	PC	3	0	0	3	3
3.	CE2202	Fluid Mechanics	PC	3	0	0	3	3
4.	CE2203	Mechanics of Solids	PC	3	0	0	3	3

5.	CE2204	Surveying	PC	3	0	0	3	3
6.	GE2201	Design Thinking	GE	3	0	0	3	3
7.	Audit Course – I			3	0	0	3	0
PRACTICAL								
8.	CE2205	Computer Aided Building Drawing Laboratory	PC	0	0	4	4	2
9.	CE2206	Surveying Laboratory	PC	0	0	4	4	2
10.	SH2201	Interpersonal Skills - Listening and Speaking	EEC	0	0	2	2	1
TOTAL				21	1	10	32	24

SEMESTER IV

Sl. No.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
THEORY								
1.	MA2251	Probability, Statistics and Numerical Methods	BS	3	1	0	4	4
2.	CE2251	Applied Hydraulic Engineering	PC	3	0	0	3	3
3.	CE2252	Concrete Technology	PC	3	0	0	3	3
4.	CE2253	Construction techniques, Equipment and Practice	PC	3	0	0	3	3
5.	CE2254	Soil Mechanics	PC	3	0	0	3	3
6.	CE2255	Strength of Materials	PC	3	1	0	4	4
7.	Audit Course – II			3	0	0	3	0

PRACTICAL								
8.	CE2256	Strength of Materials Laboratory	PC	0	0	4	4	2
9.	CE2257	Soil Mechanics Laboratory	PC	0	0	4	4	2
10.	HS1421	An Introduction to Advanced Reading and Writing	EEC	0	0	2	2	1
TOTAL				21	1	10	33	25

ONLINE COURSES

List of Online Courses (NPTEL / Swayam) - need to be updated based on the courses available during the respective semester.

LIST OF VALUE ADDED COURSES

Year	Course Name
II	Microsoft office and Sketchup
III	Revit Architecture and Total Station Surveying
IV	Navisworks and Tekla Structures

The following suggestions were given by the BOS Members:

- HOD/CIVIL briefed about the minutes of the previous BoS meeting to all the stakeholders.
- Approval of Third BoS recommendations was reviewed and accepted by the committee.

Minutes of Meeting of IV BoS:

- Following the above discussions the Amendments made in UG- syllabus and online courses were also briefed.
- **Dr.G. Chitra, Anna University Nominee** suggested that two units of geology mentioned in the course - Construction materials can be combined as one unit. Recommended that additional weightage be allotted in the subject Construction

Materials.

- **Dr.R.Lakshmi**, Head of the Department discussed the course, Mechanics of solids in detail as department specific subject is not included in semester II since unified syllabus for all first year courses as per NEP recommendations. Hence, some of the topics from Engineering Mechanics were added in Mechanics of Solids course.
- Discussions and Suggestions for Design Thinking - Audit course which is added as regular course in R2021. Expert members appreciated the inclusion of Design Thinking course as it is essential for professional course, to inculcate different thinking practices.

Dr.S.Jayalekshmi, Expert member Nominated by Academic council suggested to do revision of objectives of the Concrete Technology course Soil Mechanics course to be adopted as theory course in R2021 which was previously Theory cum Laboratory subject in R2020 was discussed. Based on the suggestions received from the faculty who had handled the course in R2020, the difficulty in covering the portions for cycle test was discussed. The committee recommended in R 2021 the Soil Mechanics – Theory Cum Practical Course shall be taught as separate theory and laboratory as importance of detailed Soil Lab Practice is vital for Civil Engineers.

Dr.G. Chitra, Anna University Nominee added that separate lab and theory course in same semester will improve the understanding level of the students.

For Strength of Materials laboratory course, the expert member suggested to increase the number of experiments either by adding Test on cements, Test on bricks experiments in the syllabus or to add Model preparation experiments

Dr.S.Jayalekshmi, highlighted the corrections in Soil Mechanics syllabus that the CBR experiment, UCC and Vane shear test should be listed separately.

Mr.N.Jegan Durai briefed about the value added courses(VAC) to be offered from the department. The members discussed about the structure of value added course on Total Station Surveying as it is included in Surveying lab practice also. The importance of various field oriented survey practices using Total Station Survey was explained to the committee and approval to continue Total Station Surveying as Value Added Course was approved by the committee.

Expert members suggested to add MS Project and Primavera software as value added courses. The committee recommended MATLAB for Civil Engineering students and addition of MATLAB in R2021 Semester I curriculum itself was explained.

Alumni Er.S.Karthik, enquired about Staad.Pro training offered to students and HOD/Civil explained that Staad.Pro training is regularly offered for 30 hrs duration with hands on practice session for all final year students during VII semester which would be essential for them to carry out their project works.

Mr.N.Jegan Durai (Department BOS Co ordinator) briefed the procedure for taking online courses. The experts suggested to choose specialized courses as online course and to avoid choosing the same subject existing in the syllabus as online course

Discussion on feedback for R2020 from various stake holders were displayed and discussed with the expert members.

Expert members also suggested to give mandatory training on Construction Management software such as MS project or Primavera which would be helpful for the students in site management work.

Expert suggested to list Bloom's taxonomy level and Assessment level in syllabus and question papers also. Suggested to review the CO-PO mapping with due weightage to the cognitive levels of thinking. HOD/Civil narrated about the process of disseminating the OBE to all students.

Alumni Er.S.Karthik, suggested that Micro concreting be added in the syllabus of Construction materials course which is in emerging demand in construction. Also recommended that in Construction Techniques Equipments and Practice courses on soil stabilization techniques like Micro piling, lime concreting techniques are to be included.

He also insisted on checking the availability of SP34 Handbook in the reference of Computer aided Design and Drafting laboratory syllabus. Also added that Post processing techniques be introduced in the Total station surveying, for the students to practice.

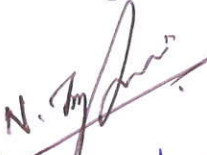
Head of the Department emphasized that some Industrial collaboration for the Post

processing techniques will be planned soon.

Date of next Meeting:

The tentative date for the Next BoS Meeting (CIVIL Board) is proposed during May 2022.

The meeting ended with the Vote of Thanks by Dr.R.Lakshmi, Head of the Department.


N. Lakshmi
BoS-co ordinator


(Dr. R.Lakshmi)

BoS Chairman – HOD / CIVIL