

Department of Civil Engineering

MINUTES of the 11th Meeting of the Board of Studies held on
17th December 2020, 10:00 am

Venue: Civil Department CADD Lab through Google Meet (Online)
<https://drive.google.com/file/d/1LzYwJfd4BKlhHELwSuERiejxDI16qnA/view?usp=sharing>,
National Engineering College, K.R.Nagar, Kovilpatti- 628503

National Engineering College, K.R.Nagar, Kovilpatti – 628 503
(An Autonomous Institution - Affiliated to Anna University, Chennai)
www.nec.edu.in

Department of Civil Engineering

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11th Board of Studies Meeting in the Department of
Civil Engineering

Venue: Civil Department CADD Lab through Google Meet (Online)
<https://drive.google.com/file/d/1LzYwJfd4BKlhHELwSuERiejxDI16qnA/view?usp=sharing>,
National Engineering College, K.R.Nagar, Kovilpatti– 628503

Date & Time: 17.12.2020 & 10.00 am

Agenda

BoS / CIVIL11.1	:	Welcome address and Opening Remarks by Chairman, Board of studies in the department of Civil Engineering
BoS / CIVIL11.2	:	Confirmation of the Minutes of the 10 th meeting of Board of studies in the department of Civil Engineering held on 11 th May 2020 and Action taken report of 10 th meeting of Board of studies
BoS / CIVIL11.3	:	Business brought forward by the Chairman, Board of studies 11.3.1 The Syllabus of Seventh and Eighth Semester courses and part of One credit (OEC), Programme elective (PEC), Open elective (OEC) courses for UG Degree Programme under Regulation 2019. 11.3.2 Modification in Curriculum of One credit courses under Regulation 2019. 11.3.3 Approval for NEC Innovation and Startup Policy 2020 11.3.4 Approval for Innovation through Design thinking one credit multidisciplinary course. 11.3.5 Formal approval for handling one or two descriptive courses in R-2105 and R-2019 through online mode by NEC faculty.
BoS / CIVIL11.4	:	Any other items
BoS / CIVIL11.5	:	Suggestions given by the BoS Members

National Engineering College, K.R.Nagar, Kovilpatti – 628 503
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F. No. 1-1/NEC/Civil Engg.

17.12.2020

Dear Sir/Madam,

Sub: *Minutes of the 11th Meeting of the Board of Studies in the Civil Engineering - Reg.*

Kindly find attached herewith the Minutes of the 11th Meeting of Board of studies of the Civil Engineering of the National Engineering College, K.R.Nagar, Kovilpatti – 628503 held on 17.12.2020 at 10.00 AM in the civil department CADD lab through online Google Meet, National Engineering college. Hard copy of the Minutes is also being sent to you by speed post.

It is requested that comments on the Minutes, if any, may please be sent by email at hodcivil@nec.edu.in or by post, at the earliest. If no comments are received, within ten days, the Minutes shall be taken as confirmed. With Kind Regards,

Yours Sincerely



Dr. C. Puthiya Sekar

Department of Civil Engineering

MINUTES OF THE MEETING

The 11th Meeting of the Board of Studies of the Civil Engineering was held on 17th December 2020 at 10:00 am in the Civil Department CADD lab through online Google Meet of the National Engineering College, K.R.Nagar, Kovilpatti- 628503

The following members were present:

1	Dr.C.PuthiyaSekar Professor& Head	Chairman
2	Dr.A.Cyril Thomas AP(SG)-Civil	Internal Members
3	Dr.C.Chella Gifta AP-Civil	
4	Mrs.R.Venkadalakshmi AP-Civil	
5	Mr.S.Sebastin AP-Civil	
6	Mr.R.Sivasankar AP-Civil	
7	Mr.S.Daniel Raj AP-Civil	
8	Mr.M.Franchis David AP-Civil	
9	Ms.B.Anitha AP-Civil	
10	Mrs.M.Balamaheshwari AP-Civil	
11	Mr.P.Gokul AP-Civil	
12	Mr.V.Arulpandian AP-Civil	
13	Mr.S.M.Murali Ram Kumar AP-Civil	
14	Dr. S. Arul Jayachandran, Professor, Department of Civil Engineering, Indian Institute Technology Madras, Chennai -600 036.	
15	Dr.P.Jayabalan Professor , Department of Civil Engineering, National Institute of Technology Trichy	
16	Dr.T.Velrajan, Professor, Department of Civil Engineering, Thiagarajar college of Engineering, Madurai- 625 015.	

17	Dr.K.Chinnaraju, Professor, Department of Civil Engineering, College of Engineering Guindy campus, Anna University, Chennai-600 025.	University Nominee
18	Dr.P.D.Arumairaj, Principal Consultant, AlzumGeoCivil Integrated Services, Thadagam Road, Coimbatore -6414 025.	Industrial Expert
19	Dr. Colonel.P. Nallathambi , Principal Structural Consultant, Sakthi Consultancy Pvt Ltd. Chromepet, Chennai -600 044.	
20	Ms.M.Ambal Devi, Final year	Student Members
21	Ms.M.Muthu Pravena, Final year	

BoS / CIVIL 11.1 : WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES IN THE DEPARTMENT OF CIVIL ENGINEERING

The Chairman, BoS of the Civil Engineering welcomed and introduced the members of 11th Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.

BoS / CIVIL 11.2 : TO CONFIRM THE MINUTES OF TENTH BOS MEETING HELD ON 11th MAY, 2020

The minutes of the **Tenth Board of Studies meeting** held on 11th MAY, 2020 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the 13th Academic council meeting.

➤ **Action Taken Report**

(Enclosed in Annexure I)

BoS/CIVIL 11.3.1 : **TO CONFIRM AND APPROVE** THE SYLLABUS OF SEVENTH AND EIGHTH SEMESTER COURSES AND PART OF ONE CREDIT (OEC), PROGRAMME ELECTIVE (PEC), OPEN ELECTIVE (OEC) COURSES FOR UG DEGREE PROGRAMME UNDER REGULATION 2019.

RESOLVED TO approve the syllabus of seventh and eighth semester courses and part of One credit (OEC), Programme elective (PEC), Open elective (OEC) courses for UG Degree Programme under Regulation 2019.

BoS/CIVIL 11.3.2 **TO CONFIRM AND APPROVE** THE MODIFICATION IN

CURRICULUM OF ONE CREDIT COURSE (INTELLIGENT BUILDING MARKING IS CHANGED AS BUILDING MARKING) UNDER REGULATION 2019.

RESOLVED TO approve the modification in curriculum of one credit course (Intelligent building marking is changed as building marking) under Regulation 2019.

BoS/CIVIL 11.3.3

TO CONFIRM AND APPROVE THE NEC INNOVATION AND STARTUP POLICY 2020.

RESOLVED TO approve the NEC Innovation and Startup Policy 2020.

BoS/CIVIL 11.3.4

TO CONFIRM AND APPROVE THE INNOVATION THROUGH DESIGN THINKING ONE CREDIT MULTIDISCIPLINARY COURSE.

RESOLVED TO approve the innovation through design thinking one credit multidisciplinary course.

BoS/CIVIL 11.3.5

TO CONFIRM AND APPROVE FOR HANDLING ONE OR TWO DESCRIPTIVE COURSES IN R-2015 AND R-2019 FULLY ONLINE MODE BY NEC FACULTY.

RESOLVED TO approve for handling one or two descriptive courses in R-2015 and R-2019 fully online mode by NEC faculty.

BoS / CIVIL 11.4

: ANY OTHER ITEMS, IF ANY, WITH THE PERMISSION OF THE CHAIRMAN OF THE BOS

The BoS members had a discussion with the internal members regarding the proposed Curriculum under R-2019

BoS / CIVIL 11.5

: SUGGESTIONS GIVEN BY THE BOS MEMBERS

The suggestions given by the BoS Members in Programme Elective Courses under R 2019.

- 11.5.1 In unit I of Advanced Steel Structures, BoS recommended to change the title as Introduction instead of Introduction to beam column.
- 11.5.2 In unit II of Advanced Steel Structures, BoS recommended to include concept of Pre-engineering building techniques.
- 11.5.3 In unit V of Non Destructive Testing, BoS recommended to include topic called as Fire damaged building.

- 11.5.4 In the curriculum of R-2019, BoS recommended that the course named as Earthquake Geotechnical Engineering to be changed as Geotechnical Earthquake Engineering.
- 11.5.5 In unit I of Environmental Impact Assessment, BoS recommended to change the title as Introduction to EIA instead of Fundamentals and Introduction to EIA.
- 11.5.6 In unit III of Ecological Engineering, BoS recommended to include topic called as Green building and Bio mimicry.

The suggestions given by the BoS Members in One Credit Elective Courses under R 2019.

- 11.5.7 In Recent advancements in Special Concrete, BoS recommended to revise the course syllabus with latest topics like High Strength Concrete, Nano Concrete and Repair materials and techniques. Some of topics found to be repetitive and it can be deleted.
- 11.5.8 In Design of Foundation elements, BoS recommended to include the topic such as Design of Machine foundation and well foundation.
- 11.5.9 In Bridge Construction Techniques, BoS recommended to include the topic such as Prestressed Prefabrication technique.
- 11.5.10 In Decentralised Waste Water Treatment Systems (DEWATS), BoS recommended to remove the content related to fundamental topics and Imhoff tank.
- 11.5.11 In Building marking, BoS recommended to include the topic such as Setting out of building, Contour preparation and 3D scanning of building.
- 11.5.12 In the curriculum of R-2019, BoS recommended that the course named as Earth quake Resistance Considerations as per Indian Standards to be changed as Earthquake Resistant Design.
- 11.5.13 In the curriculum of R-2019, BoS recommended that the course named as Environmental Noise Pollution and Control to be changed as Environmental Noise Pollution.
- 11.5.14 In the curriculum of R-2019, BoS recommended that the course named as Computer aided building drawing to be changed as Computer aided Building Layout drawing.

The members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were incorporated appropriately in the Curriculum and Syllabi.

Based on the suggestions and recommendations given by the members, BoS resolved to recommend the following to the Academic Council for further approval.

















- a) The final year syllabus for UG degree programme under R-2019.
- b) The modification in curriculum under R-2019.
- c) NEC Innovation and Startup Policy 2020.
- d) Innovation through Design thinking – One credit multidisciplinary course.
- e) approval for handling one or two descriptive courses in R 2105 and R 2019 through online mode by NEC faculty.

Mr.B.Gowtham AP-Civil thanked all the members for their kind cooperation and the meeting came to an end.

Members Present Online:

1.	Dr.K.Chinnaraju, Professor, Department of Civil Engineering, College of Engineering Guindy campus, Anna University, Chennai-600 025.	University Nominee
2.	Dr. S. Arul Jayachandran, Professor, Department of Civil Engineering, Indian Institute Technology Madras, Chennai -600 036.	Academic Expert
3.	Dr.P.Jayabalan, Professor, Department of Civil Engineering, National Institute of Technology, Trichy.	Academic Expert
4.	Dr.T.Velrajan, Professor, Department of Civil Engineering, Thiagarajar college of Engineering, Madurai- 625 015.	Academic Expert
5.	Dr.P.D.Arumairaj, Principal Consultant, AlzumGeoCivil Integrated Services, Thadagam Road, Coimbatore -6414 025.	Industrial Expert
6.	DR. Colonel.P. Nallathambi , Principal Structural Consultant &Managing Sakthi Consultancy Pvt Ltd. Chromepet, Chennai -600 044.	Industrial Expert

Members Present

Board Chairman	
Dr.C.PuthiyaSekar Professor Department of civil Engineering	
Internal Members	
Dr.A.Cyril Thomas AP (S.G) - Civil	
Dr.C.Chella Gifta AP-Civil	
Mrs.R.Venkada Lakshmi AP-Civil	
Mr.S.Sebastin AP-Civil	
Mr.R.Sivasankar AP-Civil	
Mr.S.Danielraj AP-Civil	
Mr.M.Franchis David AP-Civil	
Mrs.M.Balamaheswari AP-Civil	
Mr.P.Gokul AP-Civil	
Ms.B.Anitha AP-Civil	
Mr.V.Arulpandian AP-Civil	
Mr.S.M.Murali Ram Kumar AP-Civil	
Mr.B.Gowtham AP-Civil	
Student Members	
Ms.M.Ambal Devi, IV-Year	
Ms.M.Muthu Pravena, IV-Year	



CHAIRMAN

BOARD OF STUDIES

ANNEXURE I

Action taken for Minutes of 10th BoS Meeting

As per BoS Committee Suggestions,

1. Courses conducted to increase maximum credits to be earned as 31 for second years .
2. Courses conducted to increase maximum credits to be earned as 34 for third years.
3. online internship programmes were conducted through online by field experts as per AICTE mandatory internship policy.
4. Special consideration offered to the students living in rural areas due to the limited level of internet access.
5. Online internship training programme conducted based on students interest in various domains engaging the students to work from their respective home during this lock down period.
6. Sufficient interval provided between the end semester examinations conducted for regular courses and additional courses conducted during lockdown period.