

Department of Civil Engineering

MINUTES of the 13th Meeting of the Board of Studies held on
01st December 2021, 10:00 am

Venue: Through Google Meet (Online)

https://drive.google.com/file/d/1751FGv6xgcMv7_qRvLTbkfcTHPUadyxv/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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13th Board of Studies Meeting in the Department of
Civil Engineering

Venue: Through Google Meet (Online)
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National Engineering College, K.R.Nagar, Kovilpatti– 628503

Date & Time: 01.12.2021 & 10.00 am

Agenda

BoS / CIVIL13.1	:	Welcome address and Opening Remarks by Chairman, Board of studies in the department of Civil Engineering
BoS / CIVIL13.2	:	Confirmation of the Minutes of the 12 th meeting of Board of studies in the department of Civil Engineering held on 23 rd June 2021 and Action taken report of 12 th meeting of Board of studies
BoS / CIVIL13.3	:	Business brought forward by the Chairman, Board of studies 13.3.1 Discussion about the Specialization course, Honor & Minor degree and Examination Reforms 13.3.2 The Syllabus of Specialization course for UG Degree Programme under Regulation 2019. 13.3.3 The Syllabus of Product Development Laboratory (PEC) course for UG Degree Programme under Regulation 2019 13.3.4 Discussion about to transfer the credit from Udemy, Coursera.
BoS / CIVIL13.4	:	Any other items
BoS / CIVIL13.5	:	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.

01.12.2021

Dear Sir/Madam,

Sub: *Minutes of the 13th Meeting of the Board of Studies in the Civil Engineering - Reg.*

Kindly find attached herewith the Minutes of the 13th Meeting of Board of studies of the Civil Engineering of the National Engineering College, K.R.Nagar, Kovilpatti – 628503 held on 01.12.2021 at 10.00 AM through Google Meet (online). 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.PuthiyaSekar

Department of Civil Engineering

MINUTES OF THE MEETING

The 13th Meeting of the Board of Studies of the Civil Engineering was held on 01st December 2021 at 10:00 am through online Google Meet conducted by Civil Department, National Engineering College, K.R.Nagar, Kovilpatti- 628503.

The following members were present:

1	Dr.C.PuthiyaSekar Professor & Head	Chairman
2	Dr.C.Chella Gifta AP(SG)-Civil	Internal Members
3	Mr.S.Danielraj AP-Civil	
4	Mr.S.M. Murali Ram Kumar AP-Civil	
5	Mr.B.Gowtham AP-Civil	
6	Dr.K.Chinnaraju, Professor, Department of Civil Engineering, College of Engineering Guindy campus, Anna University, Chennai-600 025.	University Nominee
7	Dr. S. Arul Jayachandran, Professor, Department of Civil Engineering, Indian Institute Technology Madras, Chennai -600 036.	Academic Expert
8	Dr.T.Velrajan, Professor, Department of Civil Engineering, Thiagarajar college of Engineering, Madurai- 625 015.	
9	Mr.J.Colins Johnny, Assistant professor, University College of Engineering , Thoothukudi campus, Thoothukudi Email: colinsjohnny@gmail.com Contact: 99621 99011, 0461-2310044	
10	Dr.P.D.Arumairaj, Principal Consultant, AlzumGeoCivil Integrated Services, Thadagam Road, Coimbatore -6414 025.	Industrial Expert
11	Dr.P.Jayabalan Professor , Department of Civil Engineering, National Institute of Technology Trichy	

BoS / CIVIL 13.1	:	<p>WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES IN THE DEPARTMENT OF CIVIL ENGINEERING</p> <p>The Chairman, BoS of the Civil Engineering welcomed and introduced the members of 13th Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.</p>
BoS / CIVIL 13.2	:	<p>TO CONFIRM THE MINUTES OF TWELFTH BOS MEETING HELD ON 23RD JUNE, 2021</p> <p>The minutes of the Twelfth Board of Studies meeting held on 23rd JUNE, 2021 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the 15th Academic council meeting.</p> <p>➤ Action Taken Report (Enclosed in Annexure I)</p>
BoS/CIVIL 13.3.2	:	<p>TO CONFIRM AND APPROVE THE SYLLABUS OF SPECIALIZATION COURSE FOR UG DEGREE PROGRAMME UNDER REGULATION 2019.</p> <p>RESOLVED TO approve the syllabus of specialization course for UG Degree Programme under Regulation 2019.</p>
BoS/CIVIL 13.3.3	:	<p>TO CONFIRM AND APPROVE THE SYLLABUS OF PRODUCT DEVELOPMENT LABORATORY (PEC) COURSE FOR UG DEGREE PROGRAMME UNDER REGULATION 2019.</p> <p>RESOLVED TO approve the syllabus of product development laboratory course (PEC) for UG Degree Programme under Regulation 2019.</p>
BoS / CIVIL 13.4	:	<p>ANY OTHER ITEMS, IF ANY, WITH THE PERMISSION OF THE CHAIRMAN OF THE BOS</p> <p>The BoS members had a discussion with the internal members regarding the Curriculum & the syllabus of Programme Eletive Courses under R-2019</p>
BoS / CIVIL 13.5	:	<p>SUGGESTIONS GIVEN BY THE BOS MEMBERS</p>

The suggestions given by the BoS Members on Specialization, Honor & Minor Degree and Examination Reforms under R 2019.

- 13.5.1 The implementation of new Clauses 6.11.1 ,6.11.2, 6.11.3 and 6.11.4 related to the Specialization, Honor Degree and Minor Degree Courses are presented to the experts of the BoS committee. The recommendations suggested by the AICTE is explained and awaiting for the approval from Anna university is brought to notice of the members. Committee members reviewed the features of this new initiative and suggested to implement it well defined regulations and guidelines.
- 13.5.2 Since Govt of Tamilnadu is very specific about the conduct of end semester examination in Physical mode , BoS members asked to ensure the removal of online examination for Part A , and recommended to conduct examination it in a conventional mode of writing in answer scripts.
- 13.5.3 Suggestions regarding the credit transfer with the completion of online courses like Udemy and Coursera were requested. Members recommended to use these resources as a learning platform and insisted to conduct the evaluation as per the regular pattern followed in other laboratory course examinations .
- 13.5.4 While discussing the specialization course titled “Remote Sensing and Geographical Information system , the expert members requested to offer more exclusive course contents with high relevance to the specialization and not to repeat the contents available in the Remote sensing Techniques and GIS under PEC category.
- 13.5.5 Department of Civil Engineering has become a nodal center of Indian Institute of Remote Sensing , Department of Space , Govt of India and the support offered by them in conducting these specialized course is discussed with the expert members of the Board of Studies .
- 13.5.6 It is suggested to begin all the CO statements of with the verbal words and recommended to reframe the CO statement matching exactly with the content available in each units.
- 13.5.7 For Remote Sensing and GIS for Engineering applications theory course, it is recommended to include more content relevant to the GIS application (Water shed management, Corporation Planning) for a Civil Engineering Students and less in Remote sensing area.

- 13.5.8 In Total Station and GPS Surveying Course it is decided to offer only the basic principles involved in EDM for this outdated technology .
- 13.5.9 The missing CO statements in each course were mentioned by the members and advised to include in the syllabus.
- 13.5.10 Equipment available for the two laboratory courses were enquired and suggested to include Setting out of Buildings using total station and GPS in Serial No 8 of Total Station and GPS laboratory.
- 13.5.11 It is highly suggested to customize the name of Product Development Laboratory (PEC) as Product /Process Development Laboratory for Civil Engineering Curriculum.
- 13.5.12 BoS members have discussed the Name of the Degree awarded to the students after completion of specialization/Minor/ Honor degree courses, CGPA requirement, minimum number of students to attend course, exit options etc. They recommended to strengthen all infrastructure facilities and faculties before the implementation of the new process.
- 13.5.13 Members had the brainstorming discussion about the employability and the market demand of Remote sensing and GIS and finally it is concluded with many opportunities arising in the infrastructures development of the country.
- 13.5.14 Members suggested to increase the credit of courses which are taught for 45 hours from 2 to 3 and recommended to offer mostly 3 credits in this specialized courses.
- 13.5.15 Overall, BoS Expert committee appreciated this new initiative and recommended to include specialized courses in other domain of Civil Engineering.

The members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were incorporated appropriately in the Specialization course, 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 Syllabus of Specialization course for UG Degree Programme under Regulation 2019.
- b) The Syllabus of Product Development Laboratory (PEC) course for UG Degree Programme under Regulation 2019.
- c) Discussion about to transfer the credit from Udeemy, Coursera.

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

External 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.T.Velrajan, Professor, Department of Civil Engineering, Thiagarajar college of Engineering, Madurai- 625 015.	Academic Expert
4.	Mr.J.Colins Johnny, Assistant professor, University College of Engineering , Thoothukudi campus, Thoothukudi – 628008	Academic Expert
5.	Dr.P.Jayabalan, Professor, Department of Civil Engineering, National Institute of Technology, Trichy.	Industrial Expert
6.	Dr.P.D.Arumairaj, Principal Consultant, AlzumGeoCivil Integrated Services, Thadagam Road, Coimbatore -6414 025.	Industrial Expert

Internal Members Present Online

Dr.C.PuthiyaSekar Professor & Head Department of civil Engineering	Chairman
Dr.C.Chella Gifta AP(SG)-Civil	Internal Members
Mr.S.Danielraj AP-Civil	
Mr.B.Gowtham AP-Civil	
Mr.S.M.Murali Ram Kumar AP-Civil	



CHAIRMAN

BOARD OF STUDIES

ANNEXURE I

Action taken for Minutes of 12th BoS Meeting

As per BoS Committee Suggestions,

- 1 The topic named as Oil storage structures along with water tank is included in unit I of Storage Structures
- 2 The following text books were added in theory of plates,
 - a) Rudolph Szilard, "Theories and Applications of Plate Analysis", Wiley India Pvt. Ltd.
 - b) Prof. K. Bhaskar and Prof. T.K. Varadan (Retd.) Plates: Theories and Applications, 2014 John Wiley & Sons, Ltd.
 - c) Bairagi, K.A Text Book of Plate Analysis, Khanna Publisher, New Delhi
- 3 The following text books were added as a reference book in tall buildings
 - a) Wolfgang Schueller, High-rise building structures, Publisher : Wiley (January 1, 1977)
- 4 In Computer Aided Design of Structures, Unit V Software Application is removed and Unit IV content is splitted into two Units to make it as the Unit V.
- 5 The following text books were added as a reference book in industrial structures
 - a) Clarence W Dunham, Planning industrial structures, Publisher : McGraw-Hill Book Co; 1st edition (January 1, 1948).
 - b) National Building codes.
- 6 In the curriculum of R 2019, the course named as Smart Structures and Smart Materials is changed as Smart Materials and Smart Structures and also added a text book such as,
 - a) Sadhu Singh, " Experimental Stress Analysis " Khanna Publisher : (1 January 1981).
- 7 The following text books were added in Basics of Dynamics and Aseismic Design
 - a) S.R. Damodarasamy and S. Kavitha , Basics of Structural Dynamics and Aseismic Design, Publisher : PHI (1 December 2009)
- 8 The following text books were added in Design of Shell Structures
 - a) Binoy. K. Chatterji, Theory and Design of Concrete Shells, Publisher : Spon Press; Revised edition (1 November 1988)

- 9 In the curriculum of R 2019, the course named as Introduction to Timber Structures is changed as Timber Structures.
- 10 The topic named as Testing techniques for Damage Assessment is included in Seismic Evaluation and Retrofitting of structures.
- 11 The topic named as Tunnel Grouting is included in Tunneling Techniques.
- 12 The topic named as Environmental laws and regulations is removed from Soil Contamination and Remediation.
- 13 The topic named as Sedimentation tank is removed and the topic screening topic along with Rapid Sand Filter is added in Environmental Engineering Drawing.
- 14 The topic named as Radiation Analysis is removed from Analytical Instrumentation.

13th BOARD OF STUDIES MEETING – DEPARTMENT OF CIVIL ENGINEERING ON 01.12.2021

REC | hod civil is presenting

EXAMINATION REFORMS

- It is proposed to revise the 1st semester exam to through - direct mode. However, the students have to come to the college, attend the examination for theory exam.
- Examinations will be conducted online and students will be given different level questions.
- The 2nd & 3rd semester exams will be conducted online.
- The 4th semester exam will be conducted online.
- The 5th semester exam will be conducted online.
- The 6th semester exam will be conducted online.

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Arul Sanjeevi

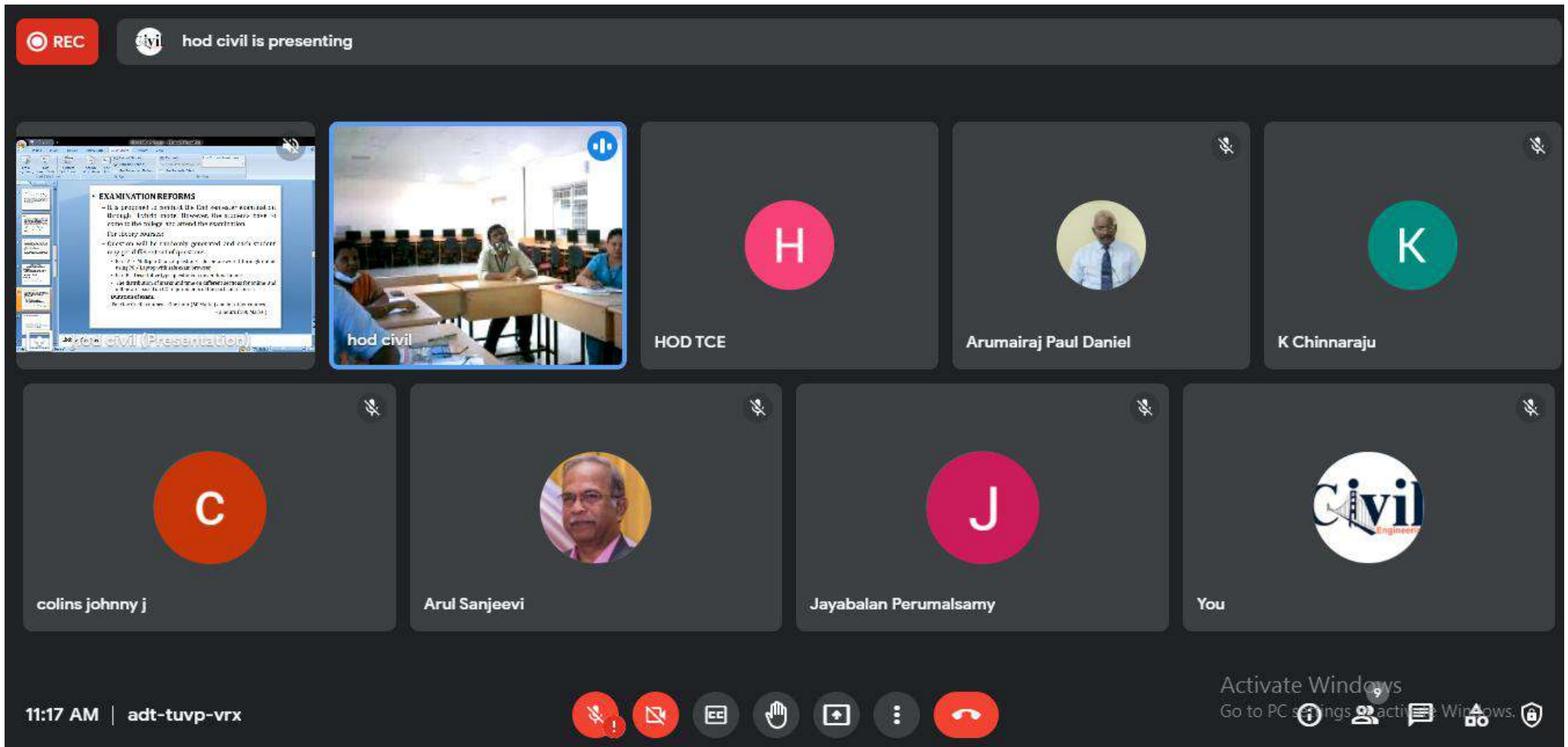
Jayabalan Perumalsamy

Arumairaj Paul Daniel

K Chinnaraju

11:17 AM | adt-tuvp-vrx

Activate Windows
Go to PC settings to activate Windows.

The image shows a Zoom meeting interface. At the top, there is a red 'REC' button and a status bar indicating 'hod civil is presenting'. The main area is divided into several tiles. On the left, a presentation slide titled 'EXAMINATION REFORMS' is displayed, containing a list of bullet points. Below the slide is a video tile for 'hod civil' showing a classroom scene. To the right of the slide are three circular tiles: a pink one with the letter 'H' labeled 'HOD TCE', a white one with a photo of a man labeled 'Arumairaj Paul Daniel', and a teal one with the letter 'K' labeled 'K Chinnaraju'. Below these are three more tiles: a red one with the letter 'C' labeled 'colins johnny j', a white one with a photo of a man labeled 'Arul Sanjeevi', and a pink one with the letter 'J' labeled 'Jayabalan Perumalsamy'. On the far right is a tile with the 'Civil Engineers' logo labeled 'You'. At the bottom, there is a toolbar with icons for mute, video off, chat, hand raise, share screen, and end call. The bottom left shows the time '11:17 AM' and the meeting ID 'adt-tuvp-vrx'. The bottom right has a Windows activation watermark.