

Department of Civil Engineering

MINUTES of the 17th Meeting of the Board of Studies held on
25th November 2023, 11:00 am

Venue: Civil Department
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

National Engineering College, K.R.Nagar, Kovilpatti– 628503
(An Autonomous Institution -Affiliated to Anna University, Chennai)
www.nec.edu.in

17th Board of Studies Meeting in the Department of
Civil Engineering

Venue: Civil Department

National Engineering College, K.R.Nagar, Kovilpatti– 628503

Date & Time: 25.11.2023 & 11.00 am

Agenda

BoS / CIVIL17.1	:	Welcome address and Opening Remarks by Chairman, Board of studies in the department of Civil Engineering
BoS / CIVIL17.2	:	Confirmation of the Minutes of the 16 th meeting of Board of studies in the department of Civil Engineering held on 27 th June 2023 and Action taken report of 16 th Board of studies meeting.
BoS / CIVIL17.3	:	Business brought forward by the Chairman, Board of studies 17.3.1 Consider and approve the Syllabi of II semester and III semester B.E. Civil Engineering under R 2023.
BoS / CIVIL17.4	:	Any other items
BoS / CIVIL17.5	:	Suggestions given by the BoS Members

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

F. No. 1-1/NEC/Civil Engg.

25.11.2023

Dear Sir/Madam,

Sub: Minutes of the 17th Meeting of the Board of Studies in the Civil Engineering - Reg.

Kindly find attached herewith the Minutes of the 17th Board of studies Meeting of the Civil Engineering Programme of National Engineering College, K.R.Nagar, Kovilpatti – 628503 held on 25.11.2023 at 11.00AM in Civil Engineering Department, 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. Puthiyasekar

Dr. C. PUTHIYASEKAR, M.E., Ph.D.,
PROFESSOR & HEAD
DEPARTMENT OF CIVIL ENGINEERING
NATIONAL ENGINEERING COLLEGE
K.R. NAGAR - 628 503.

Department of Civil Engineering

MINUTES OF THE MEETING

The 17th Board of Studies meeting of the Civil Engineering programme was held on 25th November 2023 at 11:00 am in Civil Engineering Department, National Engineering College, K.R.Nagar, Kovilpatti- 628503.

The following members were present:

1	Dr.C.Puthiyasekar, Professor-Civil	Chairman
2	Dr.T.Baskaran, Professor, Department of Civil Engineering, Thiagarajar College of Engineering, Madurai-625 015.	University Nominee
3	Dr.R.Senthil, Professor, Department of Civil Engineering, Anna University (CEG campus), Chennai -600 025	Academic Expert
4	Dr.T.Velrajan, Professor, Department of Civil Engineering, Thiagarajar College of Engineering, Madurai - 625 015.	Academic Expert
5	Dr.Sivakumar Palaniappan, Associate Professor, Department of Civil Engineering, Indian Institute of Technology(IITM), Chennai-600036	Academic Expert
6	Dr.R.Manjula, Associate Professor, Department of Civil Engineering, National Institute of Technology (NITT), Tiruchirapalli - 620015.	Academic Expert
7	Dr.R.Prakash, Associate Prof & Head,	Academic Expert

	Government College of Engineering, Tirunelveli-627007	
8	Dr.M.Ashok, Scientist, Corrosion and Materials Protection Division, CSIR-CECRI, Karaikudi-630003	Scientist
9	Dr.B.Arunsundaram, Principal Scientist, Structural Engineering Research centre, Chennai-600113	
10	Mr.P.Arun Perumal, Geo-Technical Consultant, Ayyan Associates, Chennai-82	Industrial Expert
11	Ms.T.Rama sindhia, Assistant Engineer, TN water Resources Department, Tirunelveli.	Alumni Member
12	Dr.V.Kannan, Asso.Prof-Civil	Internal Members
13	Dr.C.Chellagifta, Asso.Prof-Civil	
14	Mrs. M.Balamaheswari, AP-Civil	
15	Mr.V.Arulpandian., AP-Civil	
16	Mr.B.Gowtham., AP-Civil	
17	Mr.S.Kannan., AP-Civil	
18	Mr.A.Darral Alfred., AP-Civil	
19	Mr.K.Marimuthu, AP-Civil	
20	Mr.M.Ashokpandiyan, AP-Civil	
21	Ms.R.Harshani, AP-Civil	
22	Ms.S.Sona, Ap-Civil	
23	Ms.K.Sneha, Final year	Student Members
24	Mr.R.Heman, Final year	

BoS / CIVIL 17.1	: 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 17 th Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.
BoS / CIVIL 17.2	: TO CONFIRM THE MINUTES OF SIXTEENTH BOS MEETING HELD ON 27 th JUNE, 2023
	The minutes of the Sixteenth Board of Studies meeting held on 27 th June, 2023 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the 19 th Academic council meeting. ➤ Action Taken Report (Enclosed in Annexure D)
BoS/CIVIL 17.3.1	: To Consider and approve the Syllabi of II semester and III semester B.E. Civil Engineering under R 2023.
	RESOLVED TO approve the Syllabi of II semester and III semester B.E. Civil Engineering under R 2023.
BoS / CIVIL 17.4	: 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 II and III semester syllabi and the assessment for Integrated courses under R-2023.
BoS / CIVIL 17.5	: SUGGESTIONS GIVEN BY THE BOS MEMBERS

17.5.1 The members asked to interchange the CO 4 & CO 5 content in the syllabus of Engineering mechanics course to have a continuation of static analysis of the rigid bodies

17.5.2 Course title is suggested to be as 'BUILDING MATERIAL' instead of 'BUILDING CONSTRUCTION MATERIALS' and also asked to remove Concrete blocks and Lightweight concrete blocks in CO1 and to include in concrete






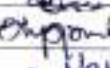

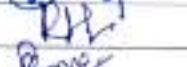








technology course.






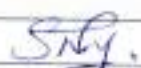

- 17.5.3 The members suggested to include M sand, P Sand in CO2 content and to include IS 10262 code specification year as 2019 and IS 2386 code in the Reference list.
- 17.5.4 In Fluid mechanics course, they asked to merge Hagen Poiseuille's equation with CO4 content and boundary layer concepts to be included in the CO5 content. CO3 could be stopped with the Laminar flow through pipes and between plate and the action verb Estimate can be replaced with Determine / Calculate in course outcomes.
- 17.5.5 The Textbooks and reference books should be updated with the latest reference published in the year 2024 and 2022.
- 17.5.6 It is suggested to include FLUID MECHANICS FUNDAMENTALS AND APPLICATIONS Book by John Cimbala and Yunus A Cengel 2019, WordPress in the reference list.
- 17.5.7 In solid mechanics course, the CO statements can be reframed and can be elaborated.
- 17.5.8 It is advised to keep the Stephen Timoshenko - Strength of Materials, CBS publishers & Distributors Pvt. Ltd, New Delhi, 2021 as the first book in the order of Text books.
- 17.5.9 The course title BASICS OF SURVEYING can be changed as 'SURVEYING' and the CO 5 is to be modified.
- 17.5.10 The word 'Construction of Tunnels' is to be removed and replaced with 'Alignment of Tunnels' in Surveying course.
- 17.5.11 In Building Planning and Drawing Course, it is suggested to include planning rules as per CMDA, Municipality and Corporation bodies and Building Byelaws and the word 'truss' in both the CO statement and syllabus content should be replaced with framed structures which should address the truss also.
- 17.5.12 It is recommended to include Water resources course in Vertical 2 and to be combined with the Environmental domain
- 17.5.13 It is also recommended to include Transportation course in Vertical 3 and to be combined with the Geotechnical domain.

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

Mrs.M.Balamaheswari, AP-Civil, thanked all the members for their kind cooperation and the meeting came to an end.

Members Present

Board Chairman	
Dr.C.PuthiyaSekar Professor & Head, Department of civil Engineering, National Engineering college, K.R.Nagar, Kovilpatti-628503.	
Internal Members	
Dr.V.Kannan., Asso.Prof-Civil	
Dr.C.ChellaGifita, Asso.Prof-Civil	
Mrs. M.Balamaheswari, AP-Civil	
Mr.V.Arulpandian., AP-Civil	
Mr.B.Gowtham., AP-Civil	
Mr.S.Kannan., AP-Civil	
Mr.A.Darral Alfred., AP-Civil	
Mr.K.Marimuthu, AP-Civil	
Mr.M.Ashokpandiyan, AP-Civil	
Ms.R.Harshani, AP-Civil	
Ms.S.Sona, AP-Civil	
Academic Experts	
Dr.T.Baskaran, Professor, Department of Civil Engineering, Thiagarajar College of Engineering, Madurai-625 015.	 25/11/23
Dr.T.Velrajan, Professor, Department of Civil Engineering, Thiagarajar College of Engineering, Madurai - 625 015.	 25/11/2023
Dr.R.Senthil, Professor, Department of Civil Engineering, Anna University (CEG campus), Chennai-600 025	 25/11/2023
Dr.Sivakumar Palaniappan, Associate Professor, Department of Civil Engineering, Indian Institute of Technology(IITM), Chennai-600036	PL.Sivakumar 25. 11. 2023
Dr.R.Manjula, Associate Professor, Department of Civil Engineering, National Institute of Technology (NITT), Tiruchirapalli - 620015. Email: manju@nitt.edu Mobile: 9942305458	 25/11/2023

Dr.R.Prakash Associate Prof &Head, Government College of Engineering, Tirunelveli-627007	
Scientists	
Dr.M.Ashok, Scientist, Corrosion and Materials Protection Division, CSIR-CECRI, Karaikudi-630003	
Dr.B.Arun Sundaram, Principal Scientist, Structural Engineering Research Centre, Chennai-600113	 25/11/23
Industrial Expert	
Mr.S.Chockolingam, Managing Director, G Spatial Technologies, Chennai-600043	— ABSENT —
Mr.P.Arun Perumal, Geo-Technical Consultant, Ayyan Associates, Chennai-82	
Alumni Expert	
Ms.T.Rama sindhia, Assistant Engineer, TN water Resources Department, Tirunelveli.	 25/11/23
Student Members Nominated by the HOD	
Ms.K.Sneha, Final Civil	
Mr.R.Heman, Final Civil	


CHAIRMAN
BOARD OF STUDIES

Dr. C. PUTHIYASEKAR, M.E. Ph.D.,
PROFESSOR & HEAD
DEPARTMENT OF CIVIL ENGINEERING
NATIONAL ENGINEERING COLLEGE
K.R. NAGAR - 628 503.

ANNEXURE I

Action taken for Minutes of 16th BoS Meeting

As per BoS Committee Suggestions,

1. Chemistry for civil engineers is replaced with environment science and sustainability course.
2. Appropriate name was given for Tamil and Aptitude courses.
3. Course shuffling was done between the semesters and curriculum for R 2023 was framed.

17th BOARD OF STUDIES MEETING - DEPARTMENT OF CIVIL ENGINEERING ON 25.11.2023

