

Department of Civil Engineering

MINUTES of the 21st Meeting of the Board of Studies held on
21st November 2025, 10:00 am

Venue: COE office conference Hall
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

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**21st Board of Studies Meeting in the Department of
Civil Engineering**

Venue: COE Office - Conference Hall

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

Date & Time: 21.11.2025 & 10.00 am

Agenda

BoS / CIVIL21.1	:	Welcome address and Opening Remarks by Chairman, Board of studies in the department of Civil Engineering
BoS / CIVIL21.2	:	Confirmation of the Minutes of the 20 th meeting of Board of studies in the department of Civil Engineering held on 30 th May 2025 and Action taken report of 20 th Board of studies meeting.
BoS / CIVIL21.3	:	Business brought forward by the Chairman, Board of studies ✓ Consider and approve the Syllabi of VII semester Courses under R-2023 ✓ Consider and approve the Elective & One credit Courses under R 2023 ✓ Course design document for 6 th semester courses under R-2023 ✓ Refinement of VI semester courses under R 2023
BoS / CIVIL21.4	:	Any other items
BoS / CIVIL21.5	:	Suggestions given by the BoS Members

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

21.11.2025

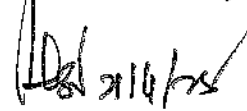
Dear Sir/Madam,

Sub: Minutes of the 21st Meeting of the Board of Studies in the Civil Engineering - Reg.

Kindly find attached herewith the Minutes of the 21st Board of studies Meeting of the Civil Engineering Programme of National Engineering College, K.R.Nagar, Kovilpatti – 628503 held on 21.11.2025 at 10.00 AM in COE office Conference Hall, 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. I. Padmanaban

Dr. I. PADMANABAN, M.Tech., (CE),
Professor & Head
Department of Civil Engineering
National Engineering College,
Kovilpatti-628503

DEPARTMENT OF CIVIL ENGINEERING

MINUTES OF THE MEETING

The 21st Board of Studies meeting of the Civil Engineering Programme was held on 21st November 2025 at 10:00 am in Autonomous Block - Conference Hall, National Engineering College, K.R.Nagar, Kovilpatti- 628503.

The following members were present:

1	Dr.I.Padmanaban, Professor & Head/Civil	Chairman
2	Dr.R.Prakash , Associate Professor, Department of Civil Engineering, Alagappa Chettiar Government college of Engineering and Technology, Karaikudi-630003.	University Nominee
3	Dr.R.Senthil , Professor, Department of Civil Engineering, Anna University (CEG campus), Chennai -600 025	Academic Expert
4	Dr. R.Manjula , Associate Professor, Department of Civil Engineering, National Institute of Technology, Tiruchirapalli - 620015	
5	Dr.M.Ashok , Scientist, Corrosion and Materials Protection Division, CSIR-CECRI, Karaikudi-630003	Industrial Expert
6	Mr.P.Arun Perumal , Geo-Technical Consultant, Ayyan Associates, Chennai-82	
7	Mr.N.Ranjit Raj, (Alumnus) Engineer -Civil & Structural, Avant Grade Systems and Controls private Limited, Chennai	
8	Dr.B.Arunsundaram , Principal Scientist, Structural Engineering Research centre, Chennai-600113	Scientist from Central Research Lab
9	Dr.V.Kannan, Professor	Internal Members
10	Dr.C.Chella Gifta, Associate Professor	
11	Mr.V.Arulpandian, Assistant Professor (SG)	
12	Mr.B.Gowtham, Assistant Professor	
13	Mr.S.Kannan, Assistant Professor	
14	Mr.P.Kasirajan, Assistant Professor	
15	Mr.K.Marimuthu, Assistant Professor	

16	Mr.G.Balamurali, Assistant Professor	
17	Mrs.P.Rajapriya, Assistant Professor	
18	Mrs.S.M.Leela Bharathi, Assistant Professor	
19	Ms.A.Pavya, Final year	Student Members
20	Ms.S.Akshaya, Final year	

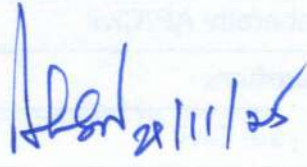



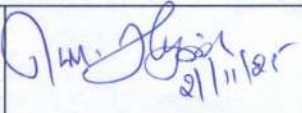



Scientist from Structural Engineering Research Centre **Dr.B.Arunsundaram, Principal Scientist**, could not able to attend the meeting due to his prior commitment and unavoidable circumstances.

BoS / CIVIL 21.1	:	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 21 st Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.
BoS / CIVIL 21.2	:	TO CONFIRM THE MINUTES OF TWENTEETH BOS MEETING HELD ON 30 th MAY, 2025
		The minutes of the Twentieth Board of Studies meeting held on 30 th May, 2025 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the 23 rd Academic council meeting. > Action Taken Report (Enclosed in Annexure I)
BoS / CIVIL 21.3.1	:	TO CONSIDER AND APPROVE THE SYLLABI OF VII SEMESTER COURSES OF UG DEGREE PROGRAMME UNDER R-2023
		RESOLVED TO APPROVE the syllabi of VII semester courses of UG Degree Programme Under R-2023
BoS / CIVIL 21.3.2	:	TO CONSIDER AND APPROVE THE ELECTIVE AND ONE CREDIT COURSES OF UG DEGREE PROGRAMME UNDER R-2023
		RESOLVED TO APPROVE the elective and one credit courses of UG Degree Programme Under R-2023
BoS / CIVIL 21.3.3	:	To CONSIDER AND APPROVE REFINEMENT OF VI SEMESTER COURSES OF UG DEGREE PROGRAMME UNDER R-2023
		RESOLVED TO APPROVE Refinement of VI semester courses of UG Degree Programme under R-2023
BoS / CIVIL 21.3.4	:	To CONFIRM AND APPROVE REFINEMENT OF VI SEMESTER COURSES OF UG DEGREE PROGRAMME UNDER R-2023.

	RESOLVED TO APPROVE refinement of VI semester courses of UG degree programme under R-2023
BoS / CIVIL 21.4	ANY OTHER ITEMS, IF ANY, WITH THE PERMISSION OF THE CHAIRMAN OF THE BOS
	The Board of Studies members held a discussion with the internal members regarding the VII semester courses, Elective and One credit courses under R-2023
BoS / CIVIL 21.5	SUGGESTIONS GIVEN BY THE BOS MEMBERS
21.5.1	The Board members recommended renaming the “ Water Resources Engineering ” course as Water Resources and Irrigation Engineering , as three COs primarily address irrigation related topics.
21.5.2	The content distribution across COs in the Water Resources course should be reorganized to improve coherence, and sequencing alignment.
21.5.3	The Architecture and Town Planning syllabus was considered too extensive for a single course. The Board suggested splitting it into two courses or offering Town Planning as an independent course.
21.5.4	Biomining topics should be incorporated into the Geo-environmental Engineering course.
21.5.5	The course titled Earth and Earth Retaining Structures should be renamed Earth Retaining Structures .
21.5.6	CO5 content in Earth retaining course should be revised, as it duplicates topics covered in Soil Mechanics. It may be replaced with failure analyses and case studies on slope stability.
21.5.7	The one-credit course Building Marking should be delivered by industry/field experts. Additional content on reading building plans and structural drawings should be included.
21.5.8	The Board advised removing “Traditional Building Science” from the one-credit course list. It may instead be offered through guest lectures or workshops. And, they suggested to include “Rainwater Harvesting” as a one-credit course.
21.5.9	The topic “Portion Covermeter” should be added under CO2 of the Structural Health Monitoring course.
21.5.10	For integrated courses, the Board suggested to follow the R2025 regulations of Anna University after approval from the Academic council, as discussed with the Dean (Academics).
21.5.11	The addition of the following subjects as electives under appropriate verticals was recommended: <ul style="list-style-type: none"> ✓ AI Applications in Civil Engineering ✓ Design of Foundations for Structures ✓ Groundwater Hydrology

Based on the suggestions and recommendations given by the members, BoS resolved to recommend the following to the Academic Council for further approval. Finally Mr.B.Gowtham, Assistant Professor thanked all the members for their fruitful discussion and valuable suggestions and the meeting came to an end.

Members Present

Board Chairman	
Dr.I.Padmanaban, Professor & Head, Department of civil Engineering, National Engineering college, K.R.Nagar, Kovilpatti-628503.	 21/11/25
Academic Experts	
Dr.R.Prakash, Associate Professor, (University Nominee) Department of Civil Engineering, Alagappa Chettiar Government college of Engineering and Technology, Karaikudi-630 003.	 21/11/25
Dr.R.Senthil, Professor, Department of Civil Engineering, Anna University (CEG campus), Chennai -600 025	 21/11/25
Dr. R.Manjula, Associate Professor, Department of Civil Engineering, National Institute of Technology, Tiruchirapalli-620 015	 21/11/2025
Industrial Expert	
Mr.P.Arun Perumal, Geo-Technical Consultant, Ayyan Associates, Chennai-82	 21/11/25
Mr.N.Ranjit Raj, (Alumnus) Engineer -Civil & Structural, Avant Grade Systems and Controls private Limited, Chennai	 21/11/25
Scientist from Central Research Lab	
Dr.M.Ashok, Scientist, Corrosion and Materials Protection Division, CSIR-CECRI, Karaikudi-630003	 21.11.2025
Internal Members	
Dr.V.Kannan, Prof/Civil	 21/11/25
Dr.C.ChellaGitta Asso.Professor/Civil	
Mr.V.Arulpandian AP(SG)/Civil	
Mr.B.Gowtham AP/Civil	
Mr.S.Kannan AP/Civil	
Mr.P.Kasirajan AP/Civil	

Mr.K.Marimuthu AP/Civil	<i>Maruthu</i>
Mr.G.Balamurali AP/Civil	<i>G.B.</i>
Mrs.P.Rajapriya AP/Civil	<i>P.R.</i>
Mrs.S.Leelabarathi AP/Civil	<i>S.M. Leela Bharathi</i> (S.M. LEEBA BHARATHI)
Student Members	
Pavya A IV year Civil	<i>A. Pavya</i>
Akshaya S IV year Civil	<i>A. Akshaya</i>

Dr. I. Padmanaban 28/11/20

CHAIRMAN
Board of Studies


Dr. I.PADMANABAN, M.Tech., Ph.D.,
Professor & Head
Department of Civil Engineering
National Engineering College,
Kovilpatti-628503

ANNEXURE I

Action taken for Minutes of 20th BoS Meeting

As per BoS Committee Suggestions,

- 1 Water resources and Irrigation engineering has been introduced in the core course in 6th semester.
- 2 Estimation and costing theory course has been modified in to practical course with one lecture and two lab hours for a week.
- 3 3D printing and BIM modelling has been merged and made as a single course.
- 4 PWD rates for materials has been included in the Estimation and costing course.
- 5 "Drone applications in waste management" topic has been included in the Municipal solid waste management course
- 6 The course name "Design of reinforced concrete structures" has been renamed as "Design of reinforced and masonry structures"


21/11/25
HOD/civil.

Dr. I.PADMANABAN, M.Tech., Ph.D.,
Professor & Head
Department of Civil Engineering
National Engineering College,
Kovilpatti-628503

21st BOARD OF STUDIES MEETING - DEPARTMENT OF CIVIL ENGINEERING ON 21.11.2025

