

# **ERODE SENGUNTHAR ENGINEERING COLLEGE**

**(An Autonomous Institution, Affiliated to Anna University, Chennai)**

**PERUNDURAI, ERODE - 638 057**



**Department of Civil Engineering**  
**8<sup>th</sup> BOARD OF STUDIES MEETING**

**25<sup>th</sup> July 2024 @ 11.00 a.m.**

**CIVIL SMART CLASSROOM**



# ERODE SENGUNTHAR ENGINEERING COLLEGE

(An Autonomous Institution –Affiliated to Anna University, Chennai)

PERUNDURAI, ERODE - 638057



DEPARTMENT OF CIVIL ENGINEERING

## 8<sup>TH</sup> BOARD OF STUDIES MEETING (ONLINE MODE)

Date & Time: 25.07.2024 & 10.00 a.m.

### AGENDA

The 8<sup>th</sup> Board of Studies Meeting is convened on 25.07.2024. The agenda for the meeting is as follows.

BoS /CIVIL 8.1	:	Welcome to Board of Studies members and opening remarks by the Chairman, Board of Studies, Department of Civil Engineering.
BoS /CIVIL 8.2	:	Confirmation of the Minutes of 07 <sup>th</sup> Board of Studies Meeting and Action taken report of 07 <sup>th</sup> Board of Studies meeting.
BoS /CIVIL 8.3	:	Review of Curriculum and syllabus for the 3 <sup>rd</sup> and 4 <sup>th</sup> semesters for the B.E. Civil Engineering programme offered under Regulation 2023.
BoS /CIVIL 8.4	:	Review of curriculum for the M.E. Environmental Engineering programme offered under Regulation 2023.
BoS /CIVIL 8.5	:	Review of syllabus for the 3 <sup>rd</sup> and 4 <sup>th</sup> semesters for the M.E. Environmental Engineering programme offered under Regulation 2023.
BoS /CIVIL 8.6	:	Review of curriculum for the M.E. Structural Engineering programme offered under Regulation 2023.
BoS /CIVIL 8.7	:	Review of syllabus for the 3 <sup>rd</sup> and 4 <sup>th</sup> semesters for the M.E. Structural Engineering programme offered under Regulation 2023.
BoS /CIVIL 8.8	:	Suggestions for Revisions in curriculum & syllabi needed for Regulations 2023.
BoS /CIVIL 8.9	:	Any other items

  
CHAIRMAN

BOARD OF STUDIES - CIVIL  
Chairman - BoS  
Dept. of Civil Engg. - ESEC



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## DEPARTMENT OF CIVIL ENGINEERING

### 8<sup>TH</sup> BOARD OF STUDIES MEETING

#### MINUTES OF THE MEETING

The 08<sup>th</sup> Board of Studies meeting of Department of Civil Engineering was held on 25<sup>th</sup> July 2024 at 11.00 a.m. at Civil Engineering Smart Classroom.

The following members were present

S.No	Name & Designation	Category
1	<b>Dr. K. M. Gopalakrishnan,</b> Head / Civil, ESEC	Chairman
2	<b>Dr.V.G.Kalpana,</b> Assistant Professor (Sr.Gr.), Department of Civil Engineering, Coimbatore Institute of Technology, Coimbatore.	University Nominee
3.	<b>Dr.N.Umamaheswari</b> Professor, Department of Civil Engineering SRM Institute of Science and Technology Kattankulathur, Chennai.	Academic Expert
4	<b>Dr.A.Punitha Kumar,</b> Associate Professor & Head, Department of Structural and Geotechnical Engineering, Vellore Institute of Technology, Vellore Campus, Vellore 632014.	
5	<b>Er. Ravishankar Subramanian,</b> Director, Integino Structural Solutions Pvt. Ltd., No.58/61, Kandan Nagar 2nd Street Numgambakkam, Chennai 600034.	Representative from Industry/Corporate Sector
6	<b>Mr.Habbis Mahammed,</b> TPK Infra Projects Pvt, Ltd., Tiruppur 641604.	Meritorious Alumnus nominated by the Principal
7	<b>Dr.S.Christian Johnson</b> Professor /Civil/ESEC	Internal Member
8	<b>Dr.S.Arulmozhi</b> Associate Professor / Civil/ESEC	
9	<b>Dr.R. Krishnasamy</b> Assistant Professor / Civil/ESEC	






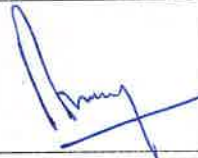


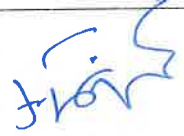
10	<b>Mr.M.Dhivakar Karthick</b> Assistant Professor / Civil/ESEC
11	<b>Mr.M. Balaji</b> Assistant Professor / Civil/ESEC
12	<b>Mr.J. Arunprasad</b> Assistant Professor / Civil/ESEC
13	<b>Mr.K. Vallarasu</b> Assistant Professor / Civil/ESEC




BoS /CIVIL 8.1	:	<b>WELCOME TO BOARD OF STUDIES MEMBERS AND OPENING REMARKS BY THE CHAIRMAN, BOARD OF STUDIES, DEPARTMENT OF CIVIL ENGINEERING.</b>
	:	The Chairman of Civil Board of Studies welcomed all the members of Board of Studies. He presented the introduction and achievements of the department and briefed the agenda to be discussed followed by introduction of all members present.
BoS /CIVIL 8.2	:	<b>CONFIRMATION OF THE MINUTES OF 07<sup>TH</sup> BOARD OF STUDIES MEETING AND ACTION TAKEN REPORT OF 07<sup>TH</sup> BOARD OF STUDIES MEETING.</b>
	:	The Chairman of Civil Board of Studies presented the minutes of meeting in seventh board of studies B.E. Civil Engineering programme. The BoS members reviewed the suggestions and its implementation.
BoS /CIVIL 8.3	:	<b>REVIEW OF CURRICULUM AND SYLLABUS FOR THE 3<sup>RD</sup> AND 4<sup>TH</sup> SEMESTERS FOR THE B.E. CIVIL ENGINEERING PROGRAMME OFFERED UNDER REGULATION 2023.</b>
	:	<p>The Chairman of Civil Board of Studies presented the curriculum and syllabus for the 3<sup>rd</sup> and 4<sup>th</sup> semesters for the B.E. Civil Engineering programme offered under regulation 2023. The Board of Studies reviewed the regulations and suggested following modifications.</p> <ul style="list-style-type: none"> <li>• Suggested to remove 23CE505 - Survey camp and include "Highway Laboratory"</li> <li>• Suggested to change the title for the subject 23CE601 - Design of RCC Elements and Structures as "Reinforced Concrete Design- I"</li> <li>• Suggested to change the title for the subject 23CE602 –Analysis of Indeterminate Structures as "Structural Analysis I" for the subject code 23CE602</li> <li>• Suggested to rename Concrete and Highway laboratory as - "Concrete Laboratory"</li> <li>• Suggested to change the title for the subject 23CE702 –Advanced Structural Analysis as "Structural Analysis II" for the subject code 23CE701</li> <li>• Suggested to include practical component for the subject 23CE701 Estimation, Costing and Valuation Engineering.</li> <li>• Suggested to change the Unit 3, title as Deflection of Beams and Torsion, Unit 5 title as Torsion of circular shafts and springs and modify content of Unit 2 and 4 for the subject Mechanics of Solids (23CE301).</li> <li>• Suggested to change the Unit 5, title as Pumps and Turbines, for the subject Fluid Mechanics and Machineries (23CE302).</li> <li>• Suggested to modify title and units for the subject Mechanics for</li> </ul>

		<p>Engineering (23CE303).</p> <ul style="list-style-type: none"> <li>• Suggested to modify units 3, 4, 5 for the subject Construction Materials and Practices (23CE304).</li> <li>• Suggested to modify units and rename few experiments for the subject Strength of Materials (23CE404).</li> </ul>
<b>BoS /CIVIL 8.4</b>	:	<b>REVIEW OF CURRICULUM FOR THE M.E. ENVIRONMENTAL ENGINEERING PROGRAMME OFFERED UNDER REGULATION 2023.</b>
	:	<p>The Chairman of Civil Board of Studies presented the curriculum and syllabus for the 3<sup>rd</sup> and 4<sup>th</sup> semesters for the M.E. Environmental Engineering programme offered under regulation 2023. The Board of Studies reviewed the regulations and suggested following modifications.</p> <ul style="list-style-type: none"> <li>• Suggested to update the latest edition text books and IS Codes in the reference.</li> </ul>
<b>BoS /CIVIL 8.5</b>	:	<b>REVIEW OF SYLLABUS FOR THE 3<sup>RD</sup> AND 4<sup>TH</sup> SEMESTERS FOR THE M.E. ENVIRONMENTAL ENGINEERING PROGRAMME OFFERED UNDER REGULATION 2023.</b>
	:	<p>The Chairman of Civil Board of Studies presented the curriculum and syllabus for the 3<sup>rd</sup> and 4<sup>th</sup> semesters for the M.E. Environmental Engineering programme offered under regulation 2023. The Board of Studies reviewed the regulations and suggested following modifications.</p> <ul style="list-style-type: none"> <li>• Suggested to update the latest edition text books and IS Codes in the reference.</li> </ul>
<b>BoS /CIVIL 8.6</b>	:	<b>REVIEW OF CURRICULUM FOR THE M.E. STRUCTURAL ENGINEERING PROGRAMME OFFERED UNDER REGULATION 2023.</b>
	:	<p>The Chairman of Civil Board of Studies presented the curriculum and syllabus for the 3<sup>rd</sup> and 4<sup>th</sup> semesters for the M.E. Structural Engineering programme offered under regulation 2023. The Board of Studies reviewed the regulations and suggested following modifications.</p> <ul style="list-style-type: none"> <li>• Suggested to update the latest edition text books and IS Codes in the reference.</li> </ul>
<b>BoS /CIVIL 8.7</b>	:	<b>REVIEW OF SYLLABUS FOR THE 3<sup>RD</sup> AND 4<sup>TH</sup> SEMESTERS FOR THE M.E. STRUCTURAL ENGINEERING PROGRAMME OFFERED UNDER REGULATION 2023.</b>
	:	<p>The Chairman of Civil Board of Studies presented the curriculum and syllabus for the 3<sup>rd</sup> and 4<sup>th</sup> semesters for the M.E. Structural Engineering programme offered under regulation 2023. The Board of Studies reviewed the regulations and suggested following modifications.</p>

## ANNEXURE – I

The following members presented in the Board of Studies Meeting

S. No.	Name & Designation	Category	Signature
1.	<b>Dr. K. M. Gopalakrishnan</b> Professor and Head, Department of Civil Engineering, Erode Sengunthar Engineering College, Perundurai.	Chairman	
2.	<b>Dr. V.G.Kalpana,</b> Assistant Professor (Sr.Gr.), Department of Civil Engineering, Coimbatore Institute of Technology, Coimbatore - 641014.	University Nominee	
3.	<b>Dr.N.Umamaheswari</b> Professor, Department of Civil Engineering SRM Institute of Science and Technology Kattankulathur, Chennai.	Academic Experts	
4.	<b>Dr.A.Punitha Kumar</b> Associate Professor & Head, Department of Structural and Geotechnical Engineering, Vellore Institute of Technology, Vellore Campus, Vellore 632014.		
5.	<b>Er. Ravishankar Subramanian</b> Director, Integino Structural Solutions Pvt. Ltd., No.58/61, Kandan Nagar 2nd Street Numgambakkam, Chennai 600034.	Representative from Industry/ CorporateSector	
6.	<b>Mr.Habbis Mahammed</b> TPK Infra Projects Pvt, Ltd., Tiruppur 641604.	Meritorious Alumni	
7.	<b>Dr.S.Christian Johnson</b> Professor, Department of Civil Engineering, Erode Sengunthar Engineering College, Perundurai.	Internal Members	
8.	<b>Dr.S.Arulmozhi</b> Associate Professor Department of Civil Engineering, Erode Sengunthar Engineering College, Perundurai.		
9.	<b>Mr.M.Balaji</b> Assistant Professor Department of Civil Engineering, Erode Sengunthar Engineering College, Perundurai.		
10.	<b>Dr.R.Krishnasamy</b> Assistant Professor Department of Civil Engineering, Erode Sengunthar Engineering College, Perundurai.		

11.	<b>Mr.M.Dhivakar Karthick</b> Assistant Professor Department of Civil Engineering, Erode Sengunthar Engineering College, Perundurai.	
12.	<b>Mr.J.Arunprasad</b> Assistant Professor Department of Civil Engineering, Erode Sengunthar Engineering College, Perundurai.	
13.	<b>Mr.K.Vallarasu</b> Assistant Professor Department of Civil Engineering, Erode Sengunthar Engineering College, Perundurai.	

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## ANNEXURE – II

### DEPARTMENT OF CIVIL ENGINEERING

#### Screen Shots of 08<sup>th</sup> Board of Studies Meeting

Name of the Department : Civil Engineering  
Name of the Board : Civil Engineering  
Programmes : B.E – Civil Engineering,  
M.E – Environmental Engineering  
M.E – Structural Engineering

### Department of Civil Engineering

Glimpse of 08<sup>th</sup> Board of studies meeting held on 25.07.2024





# ERODE SENGUNTHAR ENGINEERING COLLEGE

(An Autonomous Institution)

Approved by AICTE, New Delhi, Permanently Affiliated to Anna University- Chennai,  
Accredited by National Board of Accreditation (NBA), New Delhi &  
National Assessment and Accreditation Council (NAAC), Bangalore with 'A' Grade  
**PERUNDURAI -638 057, TAMILNADU, INDIA.**



## DEPARTMENT OF CIVIL ENGINEERING

### 8<sup>th</sup> Board of Studies-Action taken report

SL.No.	Name of the Expert	Suggestion Given	Action Taken	Remarks
1	<b>Dr.V.G.Kalpana</b> Assistant Professor (Sr. Gr) / Civil / CIT / Coimbatore	Suggested to remove 23CE505- Survey camp and include "Highway Laboratory"	Replaced 23CE505- Survey camp and included "Highway Laboratory"	
		Suggested to change the title for the subject 23CE601 - Design of RCC Elements and Structures as "Reinforced Concrete Design- I"	Title for the 23CE601 has been changed as Reinforced Concrete Design- I.	
		Suggested to change the title for the subject 23CE602 –Analysis of Indeterminate Structures as "Structural Analysis I" for the subject code 23CE602	Title for the 23CE602 has been changed as Structural Analysis I.	
		Suggested to rename Concrete and Highway laboratory as - "Concrete Laboratory"	Removed highway experiments and maintained as "Concrete Laboratory"	
		Suggested to change the title for the subject 23CE702 –Advanced Structural Analysis as "Structural Analysis II" for the subject code 23CE701	Title for the 23CE701 has been changed as Structural Analysis II.	
		Suggested to include practical component for the subject 23CE701 Estimation, Costing and Valuation Engineering.	Practical component has been included and renamed as 23CE703 "Estimation and Costing" with 4 credit points.	

		Suggested to change the Unit 3, title as Deflection of Beams and Torsion, Unit 5 title as Torsion of circular shafts and springs and modify content of Unit 2 and 4 for the subject Mechanics of Solids (23CE301).	Unit 3 title has been changed as Theory of Bending and analysis of Plane Truss, Unit 5 title has been changed Complex Stress, Torsion of Circular Shafts and Springs, and modified content of Unit 2 and 4 for the subject Mechanics of Solids (23CE301).	
		Suggested to change the Unit 5, title as Pumps and Turbines, for the subject Fluid Mechanics and Machineries (23CE302).	Unit 5 title has been changed as Pumps and Turbines. Turbines content has been included in the unit 5 for the subject Fluid Mechanics and Machineries (23CE302).	
		Suggested to modify title and units for the subject Mechanics for Engineering (23CE303).	Title has been renamed and units have been modified for the subject Engineering Mechanics (23CE303).	
		Suggested to modify units 3, 4, 5 for the subject Construction Materials and Practices (23CE304).	Units have been modified for the subject Construction Materials and Practices (23CE304).	
		Suggested to modify units and rename few experiments for the subject Strength of Materials (23CE404).	Units have been modified and titles have been renamed for the subject Strength of Materials (23CE404).	
2	<b>Dr.N.Umamaheswari</b> Professor / Civil / SRM Institute of Science and Technology, Chennai	Suggested to update the latest edition text books and IS Codes in the reference.	Updated the latest edition text books and IS Codes in the reference.	
		Suggested to include some topics in unit 1, 3, 4 and 5 for the subject Design of Steel-Concrete Composite Structures (23STX13).	Included relevant topics in unit 1, 3, 4 and 5 for the subject Design of Steel-Concrete Composite Structures (23STX13).	
		Suggested to mention IS codes in unit 2 and include some topics in unit 5 for the subject Design of Masonry Structures(23STX14).	Mentioned IS 1905 (1987) in unit 2 and included some topics in unit 5 for the subject Design of Masonry Structures(23STX14).	
		Suggested to modify title and include IoT Techniques in unit 2 for the subject Smart Structures(23STX15).	Title has been renamed as “Smart Materials and Structures” andIoT Techniques is included in unit 2.	
		Suggested to modify the topic ‘fully stress design’ as “ultimate stress design” in the	Topic has been updated.	

		subject 23STX18 - Optimization Of Structures.		
		Suggested to include “SHM techniques for bridges” in Unit 3 and “Case studies of SHM for Civil Structures” in Unit 5.	Suggested topics have been included in the Unit 3 and 5.	
3	<b>Dr.A.Punitha Kumar</b> Associate Professor / Department of Structural and Geotechnical Engineering / VIT / Chennai	Suggested to add the topic ‘Types – components, piers and abutments, well foundations” in Unit 4 in the subject 23STX23 - Design of Bridge Structures.	Topics have been included.	
		Suggested to change the subject title “23STX17 - Advanced Design of Foundation Structures” as “Advanced Design of RC Foundation Structures” and Unit 5, title as Foundation for special Structures.	Subject title “23STX17 - Advanced Design of Foundation Structures” as “Advanced Design of RC Foundation Structures” has been updated and Unit 5 title has been changed as Foundation for special Structures.	
4	<b>Er. Ravishankar Subramanian</b> Director /Integino Structural Solutions Pvt. Ltd./ Chennai	Suggested to add the topic ‘Oil Rigs’ in Unit 5 in the subject 23STX21 - Design of Offshore Structures.	Topic has been included.	
		Suggested to change the Unit 5, title as Introduction To Modern Software and include the latest software’s used in “23STX20-Design of High Rise Structures”.	Unit 5 title as Introduction To Modern Software and the latest software’s used in “23STX20-Design of High Rise Structures” have been included.	
5	<b>Mr.HabbisMahammed</b> TPK Infra Projects Pvt. Ltd./Tiruppur	Suggested to add the topic “Ball joint” in Unit 3 in the subject 23STX24 - Design of Shell and Spatial Structures.	Topic has been included.	
		Suggested to introduce latest analysis software for Computer Aided Design and Drafting Laboratory as - “Computer Aided Structural Design Laboratory”	Included latest software’s for “Computer Aided Structural Design Laboratory”	

  
**CHAIRMAN**

**BOARD OF STUDIES  
CIVIL ENGINEERING**

**Chairman - BoS.  
Dept. of Civil Engg. - ESEC**