

**ERODE SENGUNTHAR ENGINEERING COLLEGE**  
**(An Autonomous Institution, Affiliated to Anna University, Chennai)**  
**PERUNDURAI, ERODE - 638 057**



**DEPARTMENT OF AGRICULTURAL ENGINEERING**  
**7<sup>th</sup> BOARD OF STUDIES MEETING**

**09<sup>th</sup> April, 2025 @ 11.30 AM**

**ONLINE GOOGLE MEET**

**Link:**

**<https://us06web.zoom.us/j/83218082997?pwd=BnCOFWcrNNLdZbxDOu6FXxFPVdglqz.1>**



**ERODE SENGUNTHAR ENGINEERING COLLEGE**  
(An Autonomous Institution –Affiliated to Anna University, Chennai)  
**PERUNDURAI, ERODE - 638057**



**DEPARTMENT OF AGRICULTURAL ENGINEERING**

**7<sup>th</sup> Board of Studies Meeting**

**Date & Time:** 09.04.2025 & 11.30 AM

**Link:** <https://us06web.zoom.us/j/83218082997?pwd=BnCOFWcrNNLdZbxDOu6FXxFPVdglqz.1>

**AGENDA**

The 7<sup>th</sup> Board of Studies Meeting is convened on 09.04.2025 & 11.30 AM. The agenda for the meeting is as follows.

<b>BoS /AGRI 7.1</b>	:	Welcome to Board of Studies members and opening remarks by the Chairman, Board of Studies, Department of Agricultural Engineering.
<b>BoS /AGRI 7.2</b>	:	Confirmation of the Minutes of 06 <sup>th</sup> Board of Studies Meeting and Action taken report of 06 <sup>th</sup> Board of Studies meeting.
<b>BoS /AGRI 7.3</b>	:	Review of Curriculum and syllabus for the 5 <sup>th</sup> and 6 <sup>th</sup> semesters for the B. Tech. Agricultural Engineering programme offered under Regulation 2023.
<b>BoS /AGRI 7.4</b>	:	Suggestions for Revisions in curriculum & syllabi needed for Regulations 2023.
<b>BoS /AGRI 7.5</b>	:	Any other items

  
CHAIRMAN

BOARD OF STUDIES - AGRI  
**Chairman - BoS**  
Dept. of Agriculture Engineering - ESEC



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**DEPARTMENT OF AGRICULTURAL ENGINEERING**

**7<sup>th</sup> BOARD OF STUDIES MEETING**

**MINUTES OF THE MEETING**

The 7<sup>th</sup> Board of Studies meeting of Department of Agricultural Engineering was held on 10<sup>th</sup> April, 2025 at 11.30 a.m. through online mode.

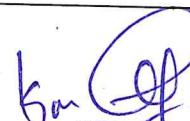
S. No.	Name & Designation	Category
1.	<b>Dr. K. M. Gopalakrishnan,</b> Professor & HoD, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Chairman
2.	<b>Dr. V.G.Kalpana,</b> Assistant Professor (Sr.Gr.), Department of Civil Engineering, Coimbatore Institute of Technology, Coimbatore - 641014.	University Nominee
3.	<b>Dr. T. Senthilkumar, M.E(Ag), Ph.D,FIE.,</b> Principal Scientist (FMP) & In-charge, Farm Machinery and Post Harvest Machinery & Equipment Testing Centre ICAR-Central Institute of Agricultural Engineering Regional centre, Coimbatore, 641007.	Academic Experts
4.	<b>Dr. P. Lakshmanakumar,</b> Associate Professor, Adhiyamaan College of Agricultural & Research, Athimugam, Shoolagiri (TK), Krishnagiri – 635 105.	Academic Experts
5.	<b>Mr. S. P. Rajkumar,</b> Managing Director, Mobitech Wireless Solutions Pvt. Ltd., 1/4, Vengamedu, Perundurai, Erode - 638 052.	Representative from Industry/ Corporate Sector
6.	<b>Dr. M. Dhananivetha</b> Associate Professor, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Internal Members
7.	<b>Dr. R. M. Muthuraman,</b> Associate Professor, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Internal Members

8.	<b>Mr. K. Murugesan,</b> Associate Professor, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Internal Members
9.	<b>Ms. K. Bharathi,</b> Assistant Professor, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Internal Members
10.	<b>Mr. R. K. M. Harishkumar</b> Assistant Professor, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Internal Members
11.	<b>Mr. A. K. Karthikeyan,</b> Assistant Professor, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Internal Members
12.	<b>Ms. R. Keerthika,</b> Assistant Professor, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Internal Members
13.	<b>Ms. T. Dharanipriya,</b> Assistant Professor, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Internal Members



BoS /AGRI 7.1	:	<b>WELCOME TO BOARD OF STUDIES MEMBERS AND OPENING REMARKS BY THE CHAIRMAN, BOARD OF STUDIES, DEPARTMENT OF AGRICULTURAL ENGINEERING.</b>
		<p>The Chairman, Board of Studies for the Department of Agricultural Engineering, 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 in the meeting.</p>
BoS /AGRI 7.2	:	<b>CONFIRMATION OF THE MINUTES OF 06<sup>TH</sup> BOARD OF STUDIES MEETING AND ACTION TAKEN REPORT OF 06<sup>TH</sup> BOARD OF STUDIES MEETING.</b>
		<p>The Chairman, Board of Studies for the Department of Agricultural Engineering presented the 6<sup>th</sup> Board of Studies Minutes of the Meeting and Action taken Report for B. Tech. Agricultural Engineering.</p>
BoS /AGRI 7.3	:	<b>REVIEW OF CURRICULUM AND SYLLABUS FOR THE 5<sup>TH</sup> AND 6<sup>TH</sup> SEMESTERS FOR THE B. TECH. AGRICULTURAL ENGINEERING PROGRAMME OFFERED UNDER REGULATION 2023.</b>
		<p>The Chairman, Board of Studies for the Department of Agricultural Engineering presented the B. Tech. Agricultural Engineering curriculum, 5<sup>th</sup> and 6<sup>th</sup> semester syllabus. The members reviewed the curriculum and syllabus and suggested the following points.</p> <ul style="list-style-type: none"> <li>• In 23AG503 – Irrigation and Drainage Engineering course, addition of irrigation tanks – components – design of sluices, wiers and bund maintenance has been included in unit III.</li> <li>• Addition of text book “C.R.Shanmugam and J.Kanagavalli, 2013. Technology of Tanks. Reflection Publication trust, Madurai” in the course 23AG503 - Irrigation and Drainage Engineering has been suggested.</li> <li>• In 23AG603 – Farm machinery and equipment course, unit I title has been changed from “Weeding” to “Intercultural equipment” and in unit IV the following content has been deleted “Selection and specification of thresher for test – performance parameter General – Short run – Long run – Test report preparation and Data sheet”.</li> <li>• In 23AG604 – Operation and maintenance of Farm Machinery laboratory course inclusion of “operation of tractor in off road condition” in first exercise has been made.</li> <li>• Change of objective of the course 19AGX02 – Testing and evaluation of farm machinery and equipment from “Understand the different constrains involved in field machinery system” to “Understand about testing systems in India”.</li> </ul>

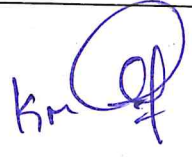
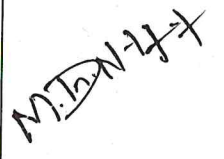

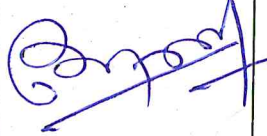
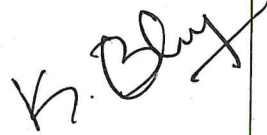
		<ul style="list-style-type: none"> <li>In Professional Elective II, Change of course title “Design of micro-irrigation system” to “Design of irrigation system”.</li> </ul>
BoS /AGRI 7.4	:	<b>SUGGESTIONS FOR REVISIONS IN CURRICULUM &amp; SYLLABI NEEDED FOR REGULATIONS 2023.</b>
		The members reviewed the curriculum, 5 <sup>th</sup> and 6 <sup>th</sup> semester syllabi and suggested the above points.
BoS /AGRI 7.5	:	<b>ANY OTHER ITEMS</b>
		<p>The following value added courses were suggested by the members for the betterment of the students in placement.</p> <ol style="list-style-type: none"> <li>1. Solid works advances</li> <li>2. Auto CAD</li> <li>3. Testing and evaluation of farm machinery.</li> </ol> <p>Finally, The Chairman, Board of Studies for the Department of Agricultural Engineering thanked the members in the meeting for their valuable suggestions to improve the curriculum and syllabus for the B. Tech Agricultural Engineering offered under regulation 2023.</p>

  
CHAIRMAN

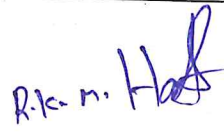



BOARD OF STUDIES - AGRI  
**Chairman - BoS**  
Dept. of Agriculture Engineering - ESEC

# 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 & HoD, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Chairman	
2.	<b>Dr. V.G.Kalpna,</b> Assistant Professor (Sr.Gr.), Department of Civil Engineering, Coimbatore Institute of Technology, Coimbatore - 641014.	University Nominee	Online Mode
3.	<b>Dr. T. Senthilkumar, M.E(Ag), Ph.D, FIE.,</b> Principal Scientist (FMP) & In-charge, Farm Machinery and Post Harvest Machinery & Equipment Testing Centre ICAR-Central Institute of Agricultural Engineering Regional centre, Coimbatore, 641007.	Academic Experts	Online Mode
4.	<b>Dr. P. Lakshmanakumar,</b> Associate Professor, Adhiyamaan College of Agricultural & Research, Athimugam, Shoolagiri (TK), Krishnagiri – 635 105.	Academic Experts	Online Mode
5.	<b>Mr. S. P. Rajkumar,</b> Managing Director, Mobitech Wireless Solutions Pvt. Ltd., 1/4, Vengamedu, Perundurai, Erode - 638 052.	Representative from Industry/ Corporate Sector	Online Mode
6.	<b>Dr. M. Dhananivetha</b> Associate Professor, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Internal Members	
7.	<b>Dr. R. M. Muthuraman,</b> Associate Professor, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Internal Members	
8.	<b>Mr. K. Murugesan,</b> Associate Professor, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Internal Members	
9.	<b>Ms. K. Bharathi,</b> Assistant Professor, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Internal Members	



10.	<b>Mr. R. K. M. Harishkumar</b> Assistant Professor, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Internal Members	
11.	<b>Mr. A. K. Karthikeyan,</b> Assistant Professor, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Internal Members	
12.	<b>Ms. R. Keerthika,</b> Assistant Professor, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Internal Members	
13.	<b>Ms. T. Dharanipriya,</b> Assistant Professor, Department of Agricultural Engineering, Erode Sengunthar Engineering College, Perundurai - 638 057, Erode.	Internal Members	



## ANNEXURE – II

### DEPARTMENT OF AGRICULTURAL ENGINEERING

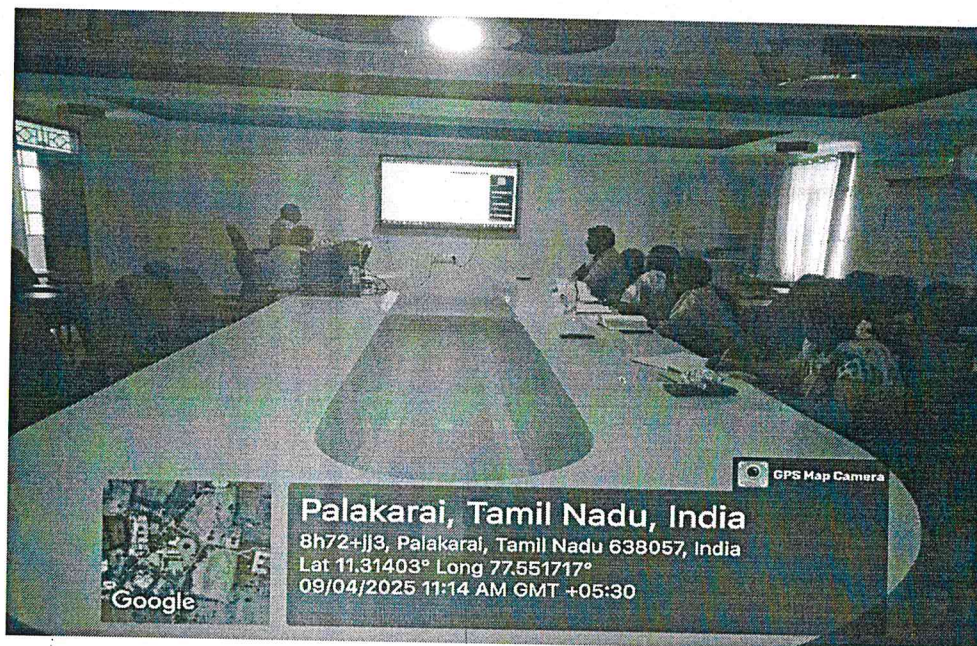
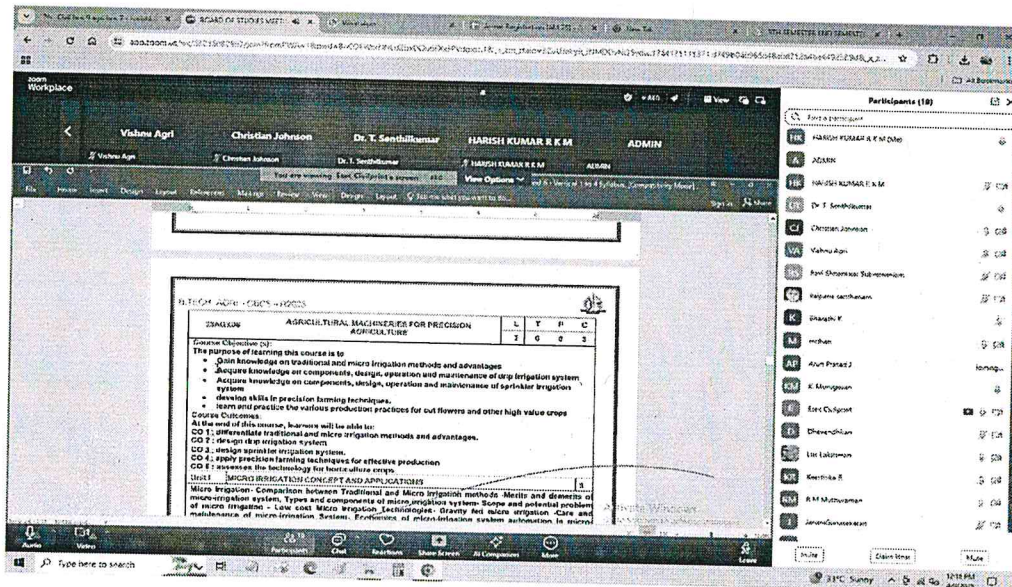
#### Screen Shots of 7<sup>th</sup> Board of Studies Meeting

Name of the Department : Agricultural Engineering

Name of the Board : Agricultural Engineering

Programme : B. Tech. – Agricultural Engineering.

Link: <https://us06web.zoom.us/j/83218082997?pwd=BnCOFWcrNNLdZbxDOu6FXxFPVdglqz.1>



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CHAIRMAN

BOARD OF STUDIES - AGRI  
**Chairman - Bos**  
Dept. of Agriculture Engineering - ESEC





# 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.

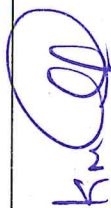


## DEPARTMENT OF AGRICULTURAL ENGINEERING

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

S. No.	Name of the Expert	Suggestion Given	Action Taken	Remarks
1.	Dr. T. Senthilkumar, Principal Scientist (FMP) & In-charge, Farm Machinery and Post Harvest Machinery & Equipment Testing Centre, ICAR - Central Institute of Agricultural Engineering Regional Centre, Coimbatore - 641007.	Suggested to add "Irrigation tanks – components – design of sluices, wiers and bund maintenance" in unit III for the course 23AG503 – Irrigation and Drainage Engineering.  Addition of text book "C.R.Shanmugam and J.Kanagavalli, 2013. Technology of Tanks. Reflection Publication trust, Madurai" in the course 23AG503 - Irrigation and Drainage Engineering has been suggested.  In 23AG603 – Farm machinery and equipment course, unit I title has been changed from "Weeding" to "Intercultural equipment" and in unit IV the following content has been deleted "Selection and specification of thresher for test – performance parameter General – Short run – Long run – Test report preparation and Data sheet".	In 23AG503 – Irrigation and Drainage Engineering course, addition of irrigation tanks – components – design of sluices, wiers and bund maintenance has been included in unit III.  Text book on Technology of Tanks. By C.R.Shanmugam and J.Kanagavalli, 2013. Reflection Publication trust, Madurai, is included in the course 23AG503 - Irrigation and Drainage Engineering.  In course, Unit I title of the course "23AG603 – Farm machinery and equipment" has been changed from "Weeding" to "Intercultural equipment" in unit IV and the following content has been deleted "Selection and specification of thresher for test – performance parameter General – Short run – Long run – Test report preparation and Data sheet".	

	In 23AG604 – Operation and maintenance of Farm Machinery laboratory course inclusion of “operation of tractor in off road condition” in first exercise has been made.	Addition of “operation of tractor in off road condition” in first exercise for the course 23AG604 – Operation and maintenance of Farm Machinery Laboratory.	
	Change of objective of the course 19AGX02 – Testing and evaluation of farm machinery and equipment from “Understand the different constraints involved in field machinery system” to “Understand about testing systems in India”.	Objective of the course 19AGX02 – Testing and evaluation of farm machinery and equipment has been changed from “Understand the different constraints involved in field machinery system” to “Understand about testing systems in India”.	
	In Professional Elective II, Change of course title “Design of micro-irrigation system” to “Design of irrigation system”.	Course title for “Design of micro-irrigation system” in Professional Elective II has been changed to “Design of Irrigation System”.	



CHAIRMAN

BOARD OF STUDIES - AGRI

**Chairman - BOS**  
Dept. of Agriculture Engineering - ESEC