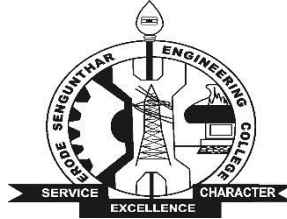


# **ERODE SENGUNTHAR ENGINEERING COLLEGE**

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

PERUNDURAI, ERODE - 638 057



**Department of Chemical Engineering**  
**3<sup>rd</sup> BOARD OF STUDIES MEETING**

**07<sup>th</sup> November 2020 @ 02.30pm**

**GOOGLE ONLINE MEET**

Link: <https://meet.google.com/zpp-nzob-axh>



# ERODE SENGUNTHAR ENGINEERING COLLEGE, PERUNDURAI - 638057

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



DEPARTMENT OF Chemical ENGINEERING

03<sup>rd</sup> Board of Studies Meeting of the Department of Chemical Engineering

**Mode: Through Online (Meeting Link: <https://meet.google.com/zpp-nzob-axh>)**

Venue: Department of Chemical Engineering,

Date & Time: 07.11.2020 & 02.30 p.m.

## AGENDA

ITEM	Particulars
BoS / Chemical 3.1	Welcome address and Opening Remarks by Chairman, Board of studies in the department of Chemical Engineering
BoS / Chemical 3.2	Confirmation of the Minutes of 2 <sup>nd</sup> Board of Studies Meeting and Action taken report of 2 <sup>nd</sup> Board of Studies meeting.
BoS / Chemical 3.3	To consider and approve the curriculum of V and VI semesters for the Chemical Engineering programme to be offered under Regulations 2019.
BoS / Chemical 3.4	To consider and approve the syllabi of V to VI semesters for the Chemical Engineering programme to be offered under Regulations 2019.
BoS / Chemical 3.5	To consider and approve 12 weeks NPTEL online courses for the Chemical Engineering programme to be offered under Regulations 2019.
BoS / Chemical 3.6	To consider and approve the identified equivalent subjects to be included/Exempted for the students readmitted from Regulations 2017 to Regulations 2019
BoS / Chemical 3.7	Any other items

# DEPARTMENT OF CHEMICAL ENGINEERING

## MINUTES OF THE MEETING

The 03<sup>rd</sup> Board of Studies meeting of Department of Chemical Engineering was held on 07.11.2020 at 02.30 p.m. through online.

1. The following members were present:

1.	<b>Dr. P. Akilamudhan,</b> Professor and Head / Department of Chemical Engineering, ESEC	Chairman
2.	<b>Dr. Ethayaraja Mani,</b> Associate Professor / Department of Chemical Engineering, IITM, Chennai.	University Nominee
3.	<b>Dr. N. Anantharaman,</b> Professor – HAG, /Department of Chemical Engineering, National Institute of Technology, Trichy.	Academic Experts
4.	<b>Dr. K. Ramanathan,</b> Professor, Department of Bio-Technology, VIT University, Vellore	
5.	<b>Mr. S. Loga Sai,</b> General Manager /Sri Rengaraj Ispat Industries Pvt. Ltd., SIPCOT, Perundurai.	Industrial Expert related to
6.	<b>Dr. V. T. Perarasu,</b> Associate Professor / Department of Chemical Engineering, AC Tech., Anna University, Chennai.	Meritorious Alumnus Nominated by the Principal
7.	<b>Ms. T. Usharani,</b> Associate Professor / Department of Chemical Engineering, Erode Sengunthar Engineering College, Perundurai.	Internal Members
8.	<b>Dr. N. Sridhar,</b> Professor, Department of Chemical Engineering, Erode Sengunthar Engineering College, Perundurai.	
9.	<b>Ms. R. Umapriya,</b> Assistant Professor, Department of Chemical Engineering, Erode Sengunthar Engineering College, Perundurai.	

BoS / Chemical 3.1	:	<b>Welcome address and opening remarks by Chairman, Board of Studies in the department of Chemical Engineering.</b>
		Dr. P. Akilamudhan, HoD / Chemical, Chairman of Chemical Board of Studies welcomed the members. He presented the introduction and achievements of the department and briefed the agenda to be discussed followed by introduction of members present.
BoS / Chemical 3.2	:	<b>Confirmation of the Minutes of 2<sup>nd</sup> Board of Studies Meeting and Action taken report of 2<sup>nd</sup> Board of Studies meeting.</b>
		The Chairman, BoS of the Chemical Engineering presented the Minutes of 2 <sup>nd</sup> Board of Studies Meeting was held on 09.01.2020 and action taken report of the same
BoS / Chemical 3.3		<b>To consider and approve the curriculum of V and VI semesters for the Chemical Engineering programme to be offered under Regulations 2019.</b>
		The Chairman, BoS of the Chemical Engineering presented the Curriculum of the Regulation 2019 for Semesters V and VI in the Board of Study meeting.  The BoS members approved the same.
BoS / Chemical 3.4		<b>To consider and approve the syllabi of V to VI semesters for the Chemical Engineering programme to be offered under Regulations 2019.</b>
		To consider and approve the syllabi of V to VI semesters for the B.Tech. (Chemical Engineering) programme to be offered under R-2019 with effect from the academic year 2019 – 2020 onwards.

	<p>The Chairman of Chemical Board of Studies presented the syllabi of V to VI for the B.Tech Chemical Engineering. The Board of Studies reviewed the syllabus and suggested following modifications.</p> <p>The Board of Studies resolved to approve the Syllabi of B.Tech Chemical Engineering programme brought forward by the Chairman incorporating the above changes.</p> <ol style="list-style-type: none"> <li>1. All the members of Board of Studies agreed to include the subject <b>“19CH404 - Internet of Things”</b> in fourth semester, the syllabus prescribed by Infosys also accepted to transfer the subject <b>“19CH504 - Heat Transfer”</b> to fifth semester.</li> <li>2. Dr Ethayaraja Mani, Associate Prof, IITM, Chennai suggested to modify the unit titles of <b>“19CH501 - Chemical Reaction Engineering – I”</b>.</li> <li>3. Dr N.Anantharaman, Prof, NIT Trichy suggested to mention the year of publication and edition number of each text book.</li> <li>4. Dr Ethayaraja Mani, Associate Prof, IITM, Chennai suggested to slightly modify the unit titles of the subject <b>“19CH504 - Heat Transfer”</b>.</li> <li>5. Dr K.Ramanahan, Prof, VIT Vellore suggested to reduce the syllabus of subjects, wherever possible.</li> <li>6. Dr N.Anantharaman, Prof, NIT Trichy suggested to give grades for placement subjects instead of credit.</li> </ol>
BoS / Chemical 3.5	<p><b>To consider and approve 12 weeks NPTEL online courses for the Chemical Engineering programme to be offered under Regulations 2019.</b></p>
	<p>The Chairman presented the list of identified 12 weeks NPTEL online courses for the Regulation 2019. The BoS members approved NPTEL courses.</p> <p>(It is clarified that students may take any one of the approved online courses and he/she can withdraw any one 3 credit Professional elective ). And also student can earn additional credit as per Regulations-2019.</p>
BoS / Chemical 3.6	<p><b>To consider and approve the identified equivalent subjects to be included/Exempted for the students readmitted from Regulations 2017 to Regulations 2019</b></p>

	<p>The Chairman, BOS of the Chemical Engineering presented the List of equivalent subjects to be included/exempted for the students readmitted from R2017 to R2019.</p> <p>The BoS members approved the same.</p>
BoS / Chemical 3.7	Any other items
	<p>The chairman informed that, as per the instructions from Director / Anna University Academic courses, for V,VI,VII and VIII semesters of current academic year 2020-2021 students of B.Tech (Chemical Engg.)will follow the syllabus prescribed by Anna University under Regulations - 2017 will be followed.</p>

CHAIRMAN BOARD OF STUDIES

# Department of Chemical Engineering

The 03<sup>rd</sup> Board of studies meeting held on 07.11.2020 through the following link:

Google online meet link: <https://meet.google.com/zpp-nzob-axh>

BoS online meet video.mp4 - VLC media player

Media Playback Audio Video Subtitle Tools View Help

III Board of Studies Meeting - AGENDA

ITEM	Particulars
ITEM 01	WELCOMING OF BOARD OF STUDY MEMBERS
ITEM 02	TO CONSIDER AND APPROVE THE MODIFICATIONS IN THE CURRICULUM OF V TO VIII SEMESTERS FOR THE B.TECH. (CHEMICAL ENGINEERING) PROGRAMME TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 - 2020 ONWARDS.
ITEM 03	TO CONSIDER AND APPROVE THE MODIFICATIONS IN THE CURRICULUM OF I TO IV SEMESTERS FOR THE M.TECH. (CHEMICAL ENGINEERING) PROGRAMME TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 - 2020 ONWARDS.
ITEM 04	TO CONSIDER AND APPROVE THE SYLLABUS OF V TO VIII SEMESTERS FOR THE B.TECH. (CHEMICAL ENGINEERING) PROGRAMME TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 - 2020 ONWARDS.
ITEM 05	TO CONSIDER AND APPROVE THE SYLLABUS OF I TO IV SEMESTERS FOR THE M.TECH. (CHEMICAL ENGINEERING) PROGRAMME TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 - 2020 ONWARDS.

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11:40 AM 11/26/2020

BoS online meet video.mp4 - VLC media player

Media Playback Audio Video Subtitle Tools View Help

Microsoft Word - 2020 Approved Syllabus - Mechanical Engineering - Final

III Board of Studies Meeting - AGENDA

ITEM	Particulars
ITEM 01	WELCOMING OF BOARD OF STUDY MEMBERS
ITEM 02	TO CONSIDER AND APPROVE THE MODIFICATIONS IN THE CURRICULUM OF V TO VIII SEMESTERS FOR THE B.TECH. (CHEMICAL ENGINEERING) PROGRAMME TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 - 2020 ONWARDS.
ITEM 03	TO CONSIDER AND APPROVE THE MODIFICATIONS IN THE CURRICULUM OF I TO IV SEMESTERS FOR THE M.TECH (CHEMICAL ENGINEERING) PROGRAMME TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 - 2020 ONWARDS.
ITEM 04	TO CONSIDER AND APPROVE THE SYLLABUS OF V TO VII SEMESTERS FOR THE B.TECH (CHEMICAL ENGINEERING) PROGRAMME TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 - 2020 ONWARDS.
ITEM 05	TO CONSIDER AND APPROVE THE SYLLABUS OF I TO IV SEMESTERS FOR THE M.TECH (CHEMICAL ENGINEERING) PROGRAMME TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 - 2020 ONWARDS.

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#### **ITEM 01 WELCOMING OF BOARD OF STUDY MEMBERS**

Dr. P. Akilamudhan, HoD / Chemical, Chairman of Chemical Board of Studies welcomed the members. He presented the introduction and achievements of the department and briefed the agenda to be discussed followed by introduction of members present.

#### **ITEM 02 TO CONSIDER AND APPROVE THE MODIFICATIONS IN THE CURRICULUM OF II TO VIII SEMESTERS FOR THE B.TECH. (CHEMICAL ENGINEERING) PROGRAMME. TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 – 2020 ONWARDS.**

The Chairman of Chemical Board of Studies presented the Curriculum of B.Tech Chemical Engineering programme from II to VIII Semesters. The Board of Studies reviewed the Curriculum and resolved to approve the same.

1. Dr N.Anantharaman, Prof, NIT Trichy and Dr.Ethayaraja Mani, Associate Professor, IITM, Chennai suggested to restrict the number electives to 4 (For Professional elective papers)
2. Dr Ramanathan, Prof, VIT University suggested to reduce the content of syllabus, wherever possible in order to reduce the workload to students.
3. Dr. N. Anantharaman, Prof, NIT, Trichy suggested to combine one credit and two credit courses available in online and make it as a subject.

#### **ITEM 03 TO CONSIDER AND APPROVE THE MODIFICATIONS IN THE CURRICULUM OF II TO IV SEMESTERS FOR THE M.TECH (CHEMICAL ENGINEERING) PROGRAMME. TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 – 2020 ONWARDS.**

The Chairman of Chemical Board of Studies presented the Curriculum of M.Tech Chemical Engineering programme from II to IV Semesters. The Board of Studies reviewed the Curriculum and resolved to approve the same.

**ITEM 04 TO CONSIDER AND APPROVE THE SYLLABI OF II TO VI SEMESTERS FOR THE B.TECH. (CHEMICAL ENGINEERING) PROGRAMME TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 – 2020 ONWARDS.**

The Chairman of Chemical Board of Studies presented the syllabi of II to VI for the B.Tech Chemical Engineering. The Board of Studies reviewed the syllabus and suggested following modifications.

The Board of Studies resolved to approve the Syllabi of B.Tech Chemical Engineering programme brought forward by the Chairman incorporating the above changes.

7. All the members of Board of Studies agreed to include the subject **“19CH404 - Internet of Things”** in fourth semester, the syllabus prescribed by Infosys also accepted to transfer the subject **“19CH504 - Heat Transfer”** to fifth semester.
8. Dr Ethayaraja Mani, Associate Prof, IITM, Chennai suggested to modify the unit titles of **“19CH501 - Chemical Reaction Engineering – I”**.
9. Dr N.Anantharaman, Prof, NIT Trichy suggested to mention the year of publication and edition number of each text book.
10. Dr Ethayaraja Mani, Associate Prof, IITM, Chennai suggested to slightly modify the unit titles of the subject **“19CH504 - Heat Transfer”**.
11. Dr K.Ramanathan, Prof, VIT Vellore suggested to reduce the syllabus of subjects, wherever possible.
12. Dr N.Anantharaman, Prof, NIT Trichy suggested to give grades for placement subjects instead of credit.
13. Dr Ethayaraja Mani, Associate Prof, IITM, Chennai suggested to shift the units II and III within the syllabus and include the topic optimal designs in **“19CH702 - Chemical Process Equipment Design and Drawing”**.
14. Dr Ethayaraja Mani, Associate Prof, IITM, Chennai suggested to modify the syllabus of subjects like **“19CH603 - Process Dynamics and Control”** and **“19CH703 - Chemical Process Industries”** in correlation with GATE syllabus and include topics “Cascade and Feed Forward Control” in Unit – V in **“19CH603 - Process Dynamics and Control”**.

15. Dr Ethayaraja Mani, Associate Prof, IITM, Chennai suggested to include Total annualized and Discontinued cash flow topics in the subject “**19CH704 - Process Engineering Economics**”

**ITEM 05 TO CONSIDER AND APPROVE THE SYLLABI OF II TO IV SEMESTERS FOR THE M.TECH (CHEMICAL ENGINEERING) PROGRAMME TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 – 2020 ONWARDS.**

The Chairman of Chemical Board of Studies presented the Syllabi of II to IV Semesters 2019 of M.Tech Chemical Engineering programme. The Board of Studies reviewed the regulations and suggested following modifications.

1. Dr K.Ramanathan suggested advanced biochemical Engineering Syllabus to be modified.
2. Dr.N.Anantharaman suggested inclusion of Pinch Technology Subject.

The Board of Studies resolved to approve the Syllabi of M.Tech Chemical Engineering programme brought forward by the Chairman incorporating the above changes.

Chairman Board of Studies