



**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, ERODE – 638 057.**

**DEPARTMENT OF CHEMICAL ENGINEERING**

**1<sup>st</sup> Board of Studies Meeting - AGENDA**

<b>ITEM</b>	<b>Particulars</b>
ITEM 01	WELCOMING OF BOARD OF STUDY MEMBERS
ITEM 02	TO CONSIDER AND APPROVE THE REGULATIONS OF B.TECH (CHEMICAL ENGINEERING) PROGRAMME.
ITEM 03	TO CONSIDER AND APPROVE THE REGULATIONS OF M.TECH (CHEMICAL ENGINEERING) PROGRAMME.
ITEM 04	TO CONSIDER AND APPROVE THE CURRICULUM OF I 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 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 06	TO CONSIDER AND APPROVE THE SYLLABI OF I TO IV SEMESTERS FOR THE B.TECH. (CHEMICAL ENGINEERING) PROGRAMME TO BE OFFERED UNDER R-2019 WITH EFFECT FROM THE ACADEMIC YEAR 2019 – 2020 ONWARDS.
ITEM 07	TO CONSIDER AND APPROVE THE SYLLABI 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 08	AS PER THE INSTRUCTIONS FROM DIRECTOR / ANNA UNIVERSITY ACADEMIC COURSES, FOR III TO VIII SEMESTERS OF CURRENT 2 <sup>ND</sup> & 3 <sup>RD</sup> YEAR STUDENTS OF B.TECH. (CHEMICAL ENGINEERING) PROGRAMME, THE SAME SYLLABUS UNDER ANNA UNIVERSITY 2017 REGULATIONS WILL BE FOLLOWED.
ITEM 09	AS PER THE INSTRUCTIONS FROM DIRECTOR / ANNA UNIVERSITY ACADEMIC COURSES, FOR VII & VIII SEMESTERS OF CURRENT 4 <sup>TH</sup> YEAR STUDENTS OF B.TECH. (CHEMICAL ENGINEERING) PROGRAMME), THE SAME SYLLABUS UNDER ANNA UNIVERSITY 2013 REGULATIONS WILL BE FOLLOWED.
ITEM 10	AS PER THE INSTRUCTIONS FROM DIRECTOR / ANNA UNIVERSITY ACADEMIC COURSES, FOR III & IV SEMESTERS OF CURRENT 2 <sup>ND</sup> YEAR STUDENTS OF M.TECH (CHEMICAL ENGINEERING), THE SAME SYLLABUS UNDER ANNA UNIVERSITY 2017 REGULATIONS WILL BE FOLLOWED.

#### **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 REGULATIONS OF B.TECH (CHEMICAL ENGINEERING) PROGRAMME**

The Chairman of Chemical Board of Studies presented the Regulations 2019 of B.Tech Chemical Engineering programme.

The Board of Studies resolved to approve the regulations of B.Tech Chemical Engineering programme brought forward by the Chairman.

#### **ITEM 03 TO CONSIDER AND APPROVE THE REGULATIONS OF M.TECH (CHEMICAL ENGINEERING) PROGRAMME**

The Chairman of Chemical Board of Studies presented the Regulations 2019 of M.Tech Chemical Engineering programme.

The Board of Studies resolved to approve the regulations of M.Tech Chemical Engineering programme brought forward by the Chairman.

#### **ITEM 04 TO CONSIDER AND APPROVE THE CURRICULUM OF I TO VIII SEMESTERS FOR THE B.TECH (CHEMICAL ENGINEERING) PROGRAMMES 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 2019 of B.Tech Chemical Engineering programme. The Board of Studies reviewed the Curriculum and suggested the following modifications.

1. Dr. V. T. Perarasu Suggested instead of “19ES101-Python Programming” and “19ES104- Python Programming Lab”, Fundamentals of Computing Theory and Laboratory subjects may be included.
2. Dr. Ethaya Raja Mani & Dr. V. T. Perarasu suggested “19ES105Engineering Graphics” should be Theory and Practical combined.
3. Dr. Ethaya Raja Mani expressed the opinion that “Physics Elective” should be a regular subject.

4. Dr. Ethaya Raja Mani recommends the subject name “19MC201 - Environmental Science & Engineering” to be changed as “Environment & Ecology”
5. Dr. Ethaya Raja Mani & Dr.V.T.Perarasu suggested that the subject “19ES301 - Chemical Engineering Thermodynamics-1” should be renamed as “Engineering Thermodynamics”. Subsequently “19CH402 - Chemical Engineering Thermodynamics-II” should be renamed as “Chemical Engineering Thermodynamics”
6. Dr. Ethaya Raja Mani suggested the subject name “19CH302 - Elements of Stoichiometry” to be changed to “Chemical Process Calculations”.
7. Dr. Ethaya Raja Mani & Dr.V.T.Perarasu suggested, taking stakeholders feedback on the application of “19CH303 - Mechanics of Solids” subject in Chemical Engineering and suggested to make it as an Elective Subject.
8. Dr. Ethaya Raja Mani & Dr.V.T.Perarasu suggested making “19ES302 - Natural Gas Engineering” as an Elective Subject.
9. Dr. Ethaya Raja Mani & Dr.V.T.Perarasu suggested making “19MC301 - Indian Constitution” as a theory course.
10. Dr.V.T.Perarasu suggested “19CH404 - Chemical Process Industries” subject to be moved to VI/ VII Semester
11. Dr. Ethaya Raja Mani & Dr.V.T. Perarasu suggested incorporating a new course “Modern Chemical Process Industries” in Professional Elective
12. Dr. Ethaya Raja Mani & Dr.V.T.Perarasu suggested that “19CHY04 - Physical Chemistry” should be moved from elective to Professional Core and “19BS401 - Organic Chemistry” subject to be changed to III Semester.
13. Dr. Ethaya Raja Mani & Dr.V.T.Perarasu suggested “19CH406 - Research Methodology” subject to be shifted to VI or VII Semester, just before the student does project.
14. Dr. Ethaya Raja Mani & Dr.V.T.Perarasu suggested to look for the possibility of conducting Lab courses of concerned core subjects after the theory courses are completed.
15. Dr. Ethaya Raja Mani & Dr.V.T.Perarasu suggested reducing the number of courses under Life Skills, Communication and Career Orientation Programmes and Comprehensive Review.
16. Dr. Ethaya Raja Mani suggested “19CH703 – Bio-Chemical Engineering” Subject, “19CHZ18 - Industrial Safety” to be offered as Electives.
17. Dr.V.T.Perarasu suggested “19CH504 - Heat Transfer” Subject to be taught before Thermodynamics.

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

**ITEM 05 TO CONSIDER AND APPROVE 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.**

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

1. Dr. Ethaya Raja Mani suggested “19MCH31 - Process Modeling and Simulation” offered as a Lab course.
2. Dr.V.T.Perarasu suggested Introducing Courses like “Unit operations and Unit Process for waste water Treatment”.

The Board of Studies resolved to approve the Curriculum of I to IV Semesters 2019 of M.Tech Chemical Engineering programme brought forward by the Chairman incorporating the above changes.

**ITEM 06 TO CONSIDER AND APPROVE THE SYLLABI OF I TO IV SEMESTERS FOR THE B.TECH (CHEMICAL ENGINEERING) PROGRAMMES 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 I to VIII for the B.Tech Chemical Engineering. The Board of Studies reviewed the syllabus and suggested following modifications.

1. Dr. Ethaya Raja Mani suggested to include Written English Practices in “19HS301 - Communication Lab”
2. Dr. Ethaya Raja Mani suggested including Process Instrumentation course content in “19ES401 - Instrumental Methods of Analysis” subject.
3. Dr. Ethaya Raja Mani suggested “19ES208 - Principles of Chemical Engineering” Syllabus to be modified and change the subject Title to “Introduction to Chemical Engineering”.  
Dr.V.T.Perarasu stressed on the need for industrial visit as part of the course.
4. Dr. Ethaya Raja Mani suggested in 19CH402 - Chemical Engineering Thermodynamics - II, including a topic about inter molecular forces

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

**ITEM 07 TO CONSIDER AND APPROVE THE SYLLABI OF I TO IV SEMESTERS FOR THE M.TECH (CHEMICAL ENGINEERING) PROGRAMMES 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 I to IV Semesters 2019 of M.Tech Chemical Engineering programme. The Board of Studies reviewed the regulations and suggested following modifications.

1. Dr. Ethaya Raja Mani suggested topics of “19MCH14 - Fluid - Phase Equilibria” to be modified to differentiate from UG Content.

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

**ITEM 08 AS PER THE INSTRUCTIONS FROM DIRECTOR / ANNA UNIVERSITY ACADEMIC COURSES, FOR III TO VIII SEMESTERS OF CURRENT 2<sup>nd</sup> & 3<sup>rd</sup> YEAR STUDENTS OF B.TECH (CHEMICAL ENGINEERING), THE SAME**

**SYLLABUS UNDER ANNA UNIVERSITY 2017 REGULATIONS WILL BE FOLLOWED.**

The chairman informed that, as per the instructions from Director / Anna university Academic courses, for III to VIII semesters of current 2<sup>nd</sup> & 3<sup>rd</sup> year students of B.Tech. (Chemical Engineering), the same syllabus under Anna university 2017 regulations will be followed.

**ITEM 09**

**AS PER THE INSTRUCTIONS FROM DIRECTOR / ANNA UNIVERSITY ACADEMIC COURSES, FOR VII & VIII SEMESTERS OF CURRENT 4<sup>th</sup> YEAR STUDENTS OF B.TECH (CHEMICAL ENGINEERING), THE SAME SYLLABUS UNDER ANNA UNIVERSITY 2013 REGULATIONS WILL BE FOLLOWED.**

The chairman informed that, as per the instructions from Director / Anna University Academic courses, for III to VIII semesters of current 4<sup>th</sup> year students of B.Tech. (Chemical Engineering), the same syllabus under Anna university 2013 regulations will be followed.

**ITEM 10**

**AS PER THE INSTRUCTIONS FROM DIRECTOR / ANNA UNIVERSITY ACADEMIC COURSES, FOR III & IV SEMESTERS OF CURRENT 2<sup>nd</sup> YEAR STUDENTS OF M.TECH (CHEMICAL ENGINEERING), THE SAME SYLLABUS UNDER ANNA UNIVERSITY 2017 REGULATIONS WILL BE FOLLOWED.**

The chairman informed that, as per the instructions from Director / Anna University Academic courses, for III to IV semesters of current 2<sup>nd</sup> year students of M.Tech. (Chemical Engineering), the same syllabus under Anna university 2017 regulations will be followed.

Chairman Board of Studies