

SETHU INSTITUTE OF TECHNOLOGY



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Pulloor, Karlapatti – 626 115



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DEPARTMENT OF CHEMICAL ENGINEERING

Date: 12.9.2019

Semester: ODD 2019 – 20

BOARD OF STUDIES MEMBERS SEPTEMBER 2019- ATTENDANCE

S.No.	Name	Designation	Status	Signature
1.	Dr. C. Marimuthu	Associate Professor & Head	Board Chairperson	<i>C. Marimuthu</i>
2.	Dr.S.Vinodha	Professor	Faculty member	<i>S. Vinodha</i>
3.	Dr. S.Sabarunisha Begam	Professor	Faculty member	<i>S. Sabarunisha Begam</i>
4.	Mr.Arul Jayan.M	Assistant Professor (Sr.Grade)	Faculty member	<i>Arul Jayan.M</i>
5.	Dr.M.Sethuram	Assistant Professor (Sr.Grade)	Faculty member	<i>M. Sethuram</i>
6.	Dr.Vidhya Raguraman	Assistant Professor (Sr.Grade)	Faculty member	<i>V. Raguraman</i>
7.	Mr.Prabhu Sankar	Assistant Professor	Faculty member	<i>P. Sankar</i>
8.	Mr. Abdul Ajmal	Assistant Professor	Faculty member	<i>A. Ajmal</i>
9.	Mr.Nagul Dev	Assistant Professor	Faculty member	<i>N. Dev</i>
10.	Mr.Datchinamoorthy	Assistant Professor	Faculty member	<i>D. Moorthy</i>
11.	Mr.Selva Dhamodharan	Assistant Professor	Faculty member	
12.	Mr.Dharmaprabu	Assistant Professor	Faculty member	<i>D. Prabhu</i>
13.	Mr. Sivaprasad V	IV YEAR	Student member	<i>S. Sivaprasad V</i>
14.	Mr.Shanker ganesh	IV YEAR	Student member	<i>S. Ganesh</i>
15.	Mr.Syed Oli	II YEAR	Student member	<i>S. Oli</i>
16.	Mr.Veeraraghavan	II YEAR	Student member	<i>V. Veeraraghavan</i>
17.	Mr. Ganesan	III YEAR	Student member	<i>G. Ganesan</i>
18.	Dr. M. Arulmozhi	Professor & Head Department of Petrochemical technology, University College of Engineering, BIT Campus, Tiruchirapalli - 620024	University Nominee	<i>M. Arulmozhi</i>
19.	Dr. A. Babu Ponnusamy	Associate Professor, Department of Chemical Engineering, VIT University, Vellore - 632014	External Expert (Academic)	<i>A. Babu Ponnusamy</i>

20.	Mr.R.Senthil Appaian	Regional manager, Denora water technology, Chennai	External Expert (Industry)	
21.	Mr.K.Krishnakanth	Alumni	Alumni student member	

1. Department Vision, Mission, PEOs, POs, PSO & PSC

Chairperson gave introduction and brief description about the department vision & mission, PEOs, POs PSOs, PSC, for the chemical engineering program and the same had been approved in the BOS meeting

2: Stakeholders feedback

Chairperson briefed the various feedback from the stakeholders through PAC & DAB meeting and resolved to implement in the curriculum 2019, which had been approved by the board members.

2.1 Students Feedback

- 2.1.1 Good balance between theory and practical classes
- 2.1.2 A course on Nano Science and Technology has to be included
- 2.1.3 Need of computational laboratory
- 2.1.4 Needs sufficient courses on chemical engineering design
- 2.1.5 Needs revision of the course 15UCH302 organic chemistry

2.2 Employers Feedback

- 2.2.1 New courses on Carbon trading, Green Protocol / Global warming has to be included
- 2.2.2 A course on Mathematical Models in Chemical Engineering shall be included
- 2.2.3 Needs up gradation of course 15UCH923 Chemical Process Plant Safety

2.3 Faculty - International Feedback

- 2.3.1 A course on Extractive Metallurgy shall be included

2.4 Faculty Feedback

- 2.4.1 A course on Nuclear Science and Technology has to be included
- 2.4.2 A course on Computational Fluid Dynamics has to be included
- 2.4.3 New courses on Environmental Impact Assessment shall be included

3: Inter Disciplinary Courses

The Chairperson briefed the interdisciplinary courses offered in the chemical engineering program and the same has been resolved and approved in the BOS meeting. The programs includes

- Data Science for engineers
- Waste to Energy Conversion

4: Addition/Deletion of courses/Topics

The chairperson explained the regulation 2019 curriculum and resolved to approve the following suggestions in the board.

Suggestions from experts:

4.1 Mr.Senthil Appaian (Industry Nominee) suggested to include the topics below in the subject Heat Power Engineering to be offered in III Semester

- Refrigeration & Compression
- The cycles such as Carnot can be reduced
- Topics related to solar power plants shall be included.

4.2 Dr.M.ArulMozhi (Anna University Nominee) suggested

- To frame the syllabus of the course Chemical Process Industries (Semester IV) with high relevance to the industries of chemical processes.
- To transfer the Chemical Process plant Safety course from professional elective to professional core.
- To have uniform credit distribution for practical courses i.e., 1.5 credits

4.3 Dr.A.Babu Ponnusamy (Academic Expert) suggested

- Softwares like Solid works, 3Ds Max to be included in the curriculum 2019
- To include elective subjects from Semester III onwards
- For the integrated courses the credit distribution shall be given as $3 + 1.5 = 4.5$
- To change the subject name of Numerical methods to Computational methods in chemical engineering

5. Employability, Entrepreneurship & Skill Development Courses.

The Chairperson briefed about classification of courses for Employability, Entrepreneurship & Skill Development and resolved to approve in the board.

6. Value Added Courses.

The Chairperson briefed the following value added courses in the curriculum and resolve to approve in the board.

1. MATLAB for Chemical Engineers
2. Simulation on Process Fundamentals
3. ANSYS – CFD
4. CHEMCAD
5. ASPEN – HYSYS

7. Examiners (Question paper setting, Paper Evaluation, Project Viva voce)

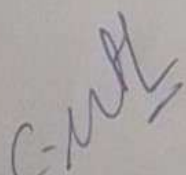
The Chairperson presented the list of examiners for question paper setting, paper evaluation, project viva voce and the same has been accepted and approved by the board.

8. New Courses under Curriculum 2019

The chairperson briefed the following new courses included in the curriculum 2019 and resolved to approve in the board.

S.No	Course Title
1	Induction Programme
2	Biology for Engineers
3	Energy Science and EVS Lab
4	Process Chemistry (Integrated)
5	Heat Power Engineering
6	Engineering Materials and Mechanics
7	Gender Equality
8	Seminar
9	Interpersonal Skills Lab
10	Process Equipment Design
11	Chemical Process Plant Safety
12	Indian Constitution/Essence of Indian Traditional Knowledge
13	Process Computation Lab
14	Creative Thinking and Innovation
15	Process Modeling and Simulation
16	Human Values & Professional Ethics
17	Process Design and Simulation Lab
18	Summer Internship
19	Comprehensive Viva
20	Technical Project and Product Development

The Chairperson thanked the members for their contribution and suggestions in framing the curriculum and syllabi under R 2019 for B.Tech. Chemical Engineering under Autonomous regulations.


Dr.C. Marimuthu

DEPARTMENT OF CHEMICAL ENGINEERING

MINUTES OF BOS MEETING – 12.09.2019

Category of Courses which focusses on Employability / Entrepreneurship / Skill

Development

Annexure I

COURSE CODE	COURSE NAME	CATEGORY
19UCH305	Chemical Process Calculation	Employability
19UCH403	Heat Transfer(Integrated Course)	Employability/ Skill development
19UCH405	Chemical Process Industries	Employability/ Entrepreneurship
19UCH406	Mass Transfer-I	Employability