

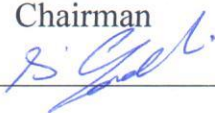
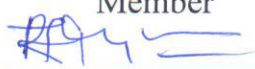
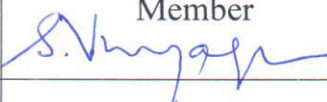
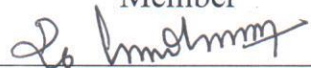
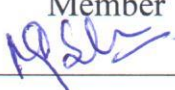


**MINUTES OF THE MEETING OF THE POLYMER TECHNOLOGY –  
 4<sup>th</sup> BOARD OF STUDY (PT-BOS) HELD ON 19-03-22 AT 2:30 PM IN  
 ONLINE.**

**Platform: Microsoft Teams**

**Meeting Link:** <http://tiny.cc/4th-PT-BOS-Meeting>

**Members:**

<b>BOS – External members</b>		
1.	Dr.K.Ravichandran Professor Department of Rubber & Plastic Technology MIT Campus-Anna University, Chennai & Dean, Anna University Coimbatore	Anna University Nominee
2.	Dr.S.N. Jaisankar Chief Scientist , Head Polymer Science & Technology CSIR-Central Leather Research Institute Adyar, Chennai – 600 020	Academic Council Nominee
3.	Er. M.Pandian Deputy General Manager M/s.Fenner (India) Ltd, Kochadai, Madurai	Industrialist

4.	Er. J.Muthuvijayan Material Leader- Engineering M/s. TPI Composites India Pvt Ltd Indira Nagar, Gandhi Nagar, Chennai	Alumni
<b>BOS – Internal Members</b>		
5.	Dr.S.Gandhi HOD / PT	Chairman 
6.	Dr.C.T.Vijayakumar Professor/PT	Member 
7.	Dr.S.Vinayagamoorthi Associate Professor/PT	Member 
8.	Dr.R.Baskaran Associate Professor / PT	Member 
9.	Dr.M.G.Sribala Assistant Professor/ PT	Member 
10.	Er.S.Sivakumaravel Assistant Professor/ PT	Member 
11.	Dr.K.Ponprabhakaran Assistant Professor/ PT	Member 

### **1. Welcome address:**

Dr.S.Gandhi, HOD/PT welcomed all the Board of studies members of Polymer Technology

### **2. Information:**

- Shared the information regarding Value added courses undergone by Polymer Students - LABVIEW by Second Year & Plastic Processing and Testing in CIPET, Madurai by Third Year Polymer Technology Students.
- In 2021-22 ODD SEM End exam, all UG and PG student has cleared the all the course. The result is 100 %.

### **3. Approval of IIIrd BOS Minutes:**

- Third PT-BOS meeting was conducted on 13.11.2021 in online mode. The minutes of meeting of the Third PT-BOS was sent to all PT-BOS member in mail earlier. Approval of the Minutes of meeting for the Third PT-BOS meeting was raised and it was approved by all BOS members.

### **4. Discussion and Approval:**

#### **i. Curriculum and syllabi for IV year UG programme**

- Dr.R.Baskaran has presented Proposed curriculum and Syllabus for IV Year B.Tech Polymer Technology 7<sup>th</sup> Semester and 8<sup>th</sup> Semester
- The list of professional elective courses, open elective courses, value added courses and online courses were also discussed.
- The online course related to Polymer discipline is minimum. Hence, requested to provide the approval for choosing the online courses related to polymer discipline, Management courses and general learning courses (like, industrial safety etc.,) with prior permission of 3 Member committee and depending upon the current issues.

**Suggestions and Recommendations received from the Members for 7<sup>th</sup> and 8<sup>th</sup> semester B.Tech Polymer Technology curriculum and syllabus:**

- BoS Members appreciated for curriculum for B.Tech Polymer Technology course
- Dr.R.Ravichandran pointed out few typo errors in syllabus
- Suggested to modify unit name as thermal properties in Polymer Structure And Property Relationship course and suggested to include GGBS full abbreviation
- Dr.S.N.Jaisankar appreciated 7<sup>th</sup> Semester and 8<sup>th</sup> semester curriculum and syllabus for B.Tech Polymer Technology course. He insisted to correct minor mistakes in curriculum alignment.
- Suggested to include additional SBR Rubber based topics in polymer in civil and geopolymer course
- Recommended to include Mechanics of composites in Polymers for aerospace applications course
- Recommended to correct typo error in Chlorinated CPE and EPDM in Specialty elastomers
- Dr.S.Gandhi agreed to incorporate all suggestion given by BOS members in syllabus
- All the panel members appreciated curriculum and Syllabus for IV year B.Tech Polymer Technology.
- *As per the BOS members recommended and approved IV year B.Tech Polymer Technology is here.*

### SEMESTER-VII

S.NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
		<b>THEORY</b>						
1	<u>PT1701</u>	Polymer Composites	PC	3	3	0	0	3
2	<u>PT1702</u>	Rubber Product Manufacturing	PC	3	3	0	0	3
3	<u>GE1773</u>	Total Quality Management	HS	3	3	0	0	3
4		Professional Elective III	PE	3	3	0	0	3
5		Professional Elective IV	PE	3	3	0	0	3
6		Open Elective II	OE	3	3	0	0	3
		<b>PRACTICALS</b>						
7	<u>PT1711</u>	Computer Aided Mold Design Laboratory -II	PC	4	0	0	4	2
8	<u>PT1712</u>	Polymer blends and composites lab	PC	4	0	0	4	2
9	<u>PT1721</u>	Mini project	EEC	2	2	0	0	2
			<b>TOTAL</b>	<b>28</b>	<b>20</b>	<b>0</b>	<b>8</b>	<b>24</b>

### SEMESTER-VIII

S.NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
		<b>THEORY</b>						
1		Online course-II	OL	3	3	0	0	3
2	<u>PT1821</u>	Project Work	EEC	8	0	0	16	8
3			<b>TOTAL</b>	<b>11</b>	<b>3</b>	<b>0</b>	<b>16</b>	<b>11</b>

## PROFESSIONAL ELECTIVE COURSES (PE)

### SEMESTER-VII, PROFESSIONAL ELECTIVE – III

S.NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1	<u>PT1731</u>	Biodegradable Polymers	PE	3	3	0	0	3
2	<u>PT1732</u>	Fiber Technology	PE	3	3	0	0	3
3	<u>PT1733</u>	Plastics Packaging Technology	PE	3	3	0	0	3
4	<u>PT1734</u>	Polymer Structure Property Relations	PE	3	3	0	0	3
5	<u>PT1735</u>	Polymers In Civil and geopolymer	PE	3	3	0	0	3

### SEMESTER-VII, PROFESSIONAL ELECTIVE – IV

S.NO	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1	<u>PT1736</u>	Paints and Surface Coatings	PE	3	3	0	0	3
2	<u>PT1737</u>	Polymers for Aerospace applications	PE	3	3	0	0	3
3	<u>PT1738</u>	Process Instrumentation for Polymer Technologist	PE	3	3	0	0	3
4	<u>PT1739</u>	Specialty Elastomers	PE	3	3	0	0	3
5	<u>PT1740</u>	Tyres and Tubes Technology	PE	3	3	0	0	3

### Methodology to offer Open Electives

Candidates shall register for Open Electives offered by other departments of the Institute in the 7<sup>th</sup> and 8<sup>th</sup> semesters. If one or more professional electives (listed above) are offered by other departments, those courses are also registered by the candidates as open electives with the prior approval from HoD of Department of Polymer Technology and Dean (Academic Courses) taking into account of prerequisite requirement. The course codes for those courses should be changed as "OPT16X" and included in the Suggested list of Open Electives in sequence without actually removing those courses from the list of professional electives.

#### OPEN ELECTIVES (to be offered to ALL Departments)

Sl.No.	Course Code	Course Name	Credits			
			L	T	P	C
1	<u>OPT161</u>	Introduction to macromolecular science	3	0	0	3
2	<u>OPT164</u>	Polymer Processing Technology	3	0	0	3

#### OPEN ELECTIVES (to be offered to Mechanical, and Mechatronics , Electronics and Instrumentation, Electrical and Electronics Departments)

Sl.No.	Course Code	Course Name	Credits			
			L	T	P	C
1	<u>OPT162</u>	Introduction to Product Testing	3	0	0	3
2	<u>OPT163</u>	Polymer Nanocomposites	3	0	0	3

**Dr.M.G.Sribala** explained the online course undergone by polymer students and PG (R-2020) Curriculum.

**Dr.S.Gandhi** expressed Polymer related open elective courses included in curriculum to other department students to know the opportunities in polymer field.

**Dr.S.Gandhi** proposed vote of thanks and reviewed the all PT-BOS meeting points and he expressed his sincere thanks to all the panel members for their participation and valuable suggestion.

*P. Anand Kumar*  
Co-ordinator

*S. G. Gandhi*  
HOD/PT