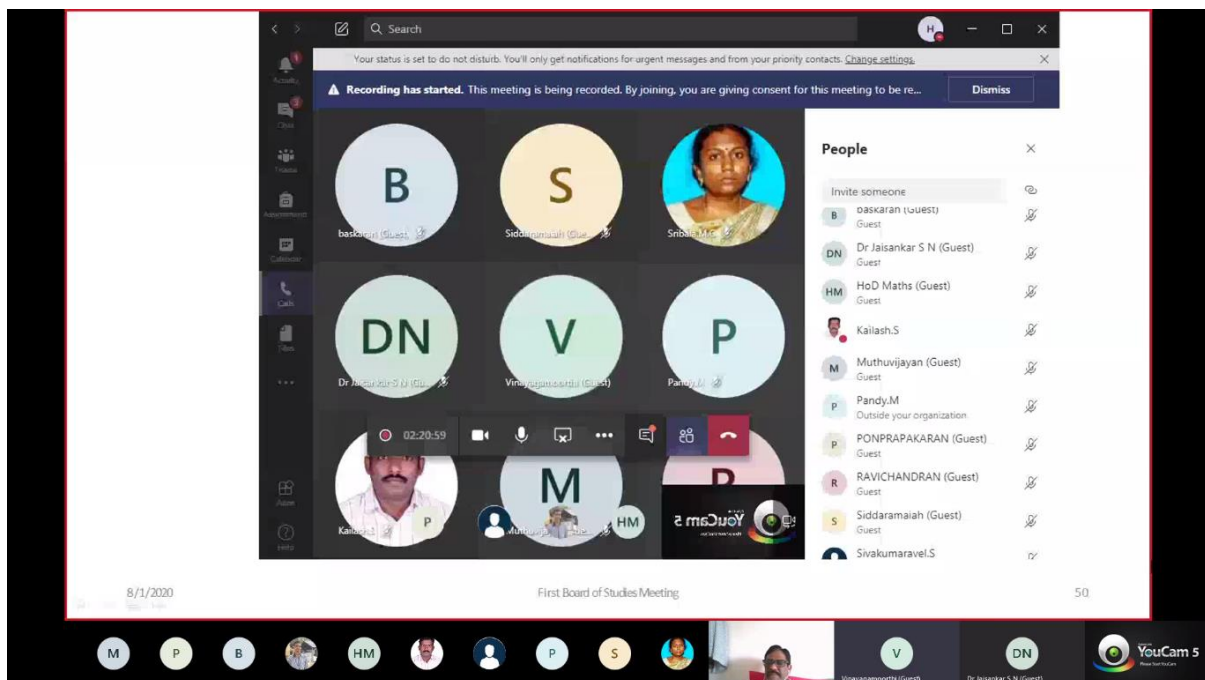


**ANNEXURE V**

**DEPARTMENT OF POLYMER TECHNOLOGY**



**Department of Polymer Technology  
Minutes of Meeting for FIRST –PT-BOS on 1.8.20**

<b>MINUTES OF POLYMER TECHNOLOGY BOARD OF STUDEIS OF 1<sup>st</sup> ONLINE MEETING</b>		
<b>Date:</b>	:	01.08.20
<b>Time:</b>	:	10 AM -12.00 Noon
<b>Platform</b>	:	Microsoft Team

**Members Present:**

<b>Capacity</b>	<b>Name &amp; Designation</b>	<b>Institute</b>
<b>Anna University Nominee</b>	<b>Dr.K.Ravichandran</b> Professor	<b>Madras Institute of Technology,</b> MIT Road, Radha Nagar, Chromepet, Chennai, Tamil Nadu 600044.
<b>Academic Council Nominee -1</b>	<b>Dr.S.N. Jaisankar</b> Sr. Principal Scientist	Polymer Science & Technology <b>CSIR-Central Leather Research Institute</b> Adyar, Chennai – 600 020
<b>Academic Council Nominee -2</b>	<b>Dr. Siddaramaiah</b> Professor & Head	Department of Polymer Science and Technology <b>Sri Jayachamarajendra College of Engineering,</b> Mysuru – 570 006. Karnataka.
<b>Industrialist</b>	<b>Er. M.Pandian</b> Deputy General Manager	<b>M/s.Fenner (India) Ltd,</b> 3, Madurai - Melakkal Road, Kochadai, Madurai, Tamilnadu
<b>Alumni</b>	<b>Er. J.Muthuvijayan</b> Material Leader-Engineering	<b>M/s. TPI Composites India Pvt Ltd</b> 1st Main Rd, South Phase, Ambedkar Nagar, Indira Nagar, Gandhi Nagar, Chennai, Tamil Nadu 600032

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<b>Internal</b>	<b>All Polymer Department faculty members</b>	
	Dr.S.Gandhi, M.Sc., Ph.D	Chairman & HOD/PT
	Dr. Dr(mont.) C.T.Vijayakumar, Ph.D.	Professor/PT
	Dr. R.Baskaran, M.Tech., Ph.D	Associate Professor & UG-Program Co-ordinator
	Dr. S.Vinayagamoorthi, M.Sc., Ph.D	Associate Professor & PG-Program Co-ordinator
	Dr. M.G.Sribala, M.Tech., Ph.D.,	Assistant Professor/PT
	Dr. K.Agathian, M.Tech., Ph.D.,	Assistant Professor/PT
	Er. S.Sivakumaravel, M.Tech.	Assistant Professor/PT
	Dr. S.Kailash, M.Tech., Ph.D.,	Assistant Professor/PT
	Dr. K.Poprapharan, M.Tech., Ph.D.,	Assistant Professor/PT

**THE MINUTES:**

**Points**

**No**

**Discussion Points**

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**Minutes of Meeting for FIRST –PT-BOS on 1.8.20**

- 1. Welcome address:** The meeting was conducted in online mode in Microsoft Team platform at 10AM. HOD/PT welcomed the all the members of the Board of studies members.
- 2. Overview of the institution and Department:** HOD/PT presented the Evolution of institution, department and its events.
- 3. Highlighting the points discussed in First Academic council meeting held on 17th July 2020:** Dr.S.Gandhi, HOD/PT presented the points discussed in the First Academic council meeting held on 17th July 2020-especially, the suggestions and recommendations for framing the UG and PG curricula.
- 4. Recommendations from the Governing Body and Academic Council for Framing UG Curriculum:**Credit range: 165 – 170
  1. 20 – 24 credit per Semester.
  2. VIII Sem Project Work: 8 – 10 credits
  3. Online Course (Maximum 6 credits)
  4. Audit Course (Mandatory non credit)
  5. First semester is common for all Programme
  6. First year credit range : 40 – 42
  7. Engineering Graphics to be in II Semester
  8. Programme specific papers could be offered in II Sem.
  10. AICTE & AU 2019 curriculum could be taken as base for framing curriculum.
  11. III Sem Mathematics (Programme specific) Mandatory
- 5. Recommendations from the Governing Body and Academic Council for Framing PG Curriculum:**
  1. Credit range : 70 – 75
  2. 20 – 22 credit per semester.
  3. Online Course (Max 3 credits)
  4. Open Elective: Industry Certification Courses
  5. AU R2017 & AU R2019 curriculum could be taken as base for framing curriculum
  6. Project Work Phase I : 6-8 credit
  7. Project Work Phase II : 12-14 credit

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8. II Sem Mathematics (Programme specific) Optional

9. Over and above credit will appear in transcript

1 Tutorial period = 1 credit

**To consider and approve the proposed UG program curriculum.**

6. Dr.R.Baskaran, ASP/PT presented the proposed the UG program curriculum.

Dr.Siddharamaiah appreciated the structure of UG curriculum framed and accoladed that there will be no objection in NAAC / NBA during the accreditation process.

The following points were mentioned by the members.

7. **Foundation Course:** Dr.Ravichandran pointed out that Mechanics of solids course in III sem need to be altered since it was inappropriate for program specificity and Dr.Jaishankar raised the question on maximum credits for Maths course. Then, it was accepted to be 4 credits.

8. **Professional Core:** Dr.Siddharamaiah pointed out the topic-Thermodynamics of polymers should be included in polymer physics course.

9. Dr.Pandian mentioned that Fluid mechanics topics were being covered in Fluid Mechanics and polymer rheology course. Hence there is no need of fluid mechanics unit in chemical engineering course. In addition to that he suggested to include improvised Management Courses like TQM to improve the overall design of the Courses.

10 Dr.Ravichandran pointed out that the course title - Rubber processing and testing could be used instead of Rubber testing and processing. Similarly, Computer drafting molding lab in II semester and polymer in computer drafting using CAD in VII semester seemed to be similar and hence it could be given a suitable different name. In addition to that he noted that Mold and die design course should be aligned with theory as well as practical in the same semester. Composite laboratory may be included.

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11. **Employability Enhancement Courses (EEC):** Er.Muthuvijayan mentioned that industry related courses need to be given more weightage - mainly Design courses and practical oriented courses. He proposed that Theory cum Calculation (50-50%) oriented syllabus are to be incorporated especially for TQM course.
12. Dr.Ravichandran gave a note to incorporate skill development courses wherever possible and mentors should educate students about EDC and motivate them to become start-ups.
13. **Open Elective (OE):** number of courses may possibly be increased.
14. **Online Course (OLC):** Norms should be fixed for online courses by following the University norms and guidelines.
15. **Professional Elective (PE):** The course title is to be modified related to industry specificity
16. General comments:  
**Online course in Eighth semester:**  
Dr.Siddharamaiah pointed out that in the VIII semester, one online course (non credit course) may be included. In SJCE,Mysore, two theory papers on two days per week and project --five days per week are followed and he instructed to abide by the related university norms and guidelines.
17. Dr.Ravichandran mentioned that students need to do the industry projects with full concentration and subsequently they would not be able to spare time for additional courses. Hence he recommended to prepone the online courses instead of VIII semester like Anna university curriculum in 2017 regulation.
18. **Professional Elective instead of Online course:**  
Since the polymer course is specialized course, number of online courses offered by NPTEL/SWAYM is limited. Hence, if suitable online courses are not found that candidate could opt a Professional elective instead of online course.
19. It was informed that detailed syllabus for proposed curriculum will be framed and submitted in the second BOS meeting for getting approval

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**To consider and approve the proposed PG program curriculum and syllabi.**

20. Dr.M.G.Sribala, AP/PT presented the proposed the PG program curriculum and syllabi.  
The following points were mentioned by the members.
21. Course Title change: Dr.Siddharamaiah remarked that Thermoplastics title could be renamed as Engg plastics / Advanced polymeric materials, Polymer composites as Advanced composites, Synthetic fibers as Fiber technology, specialty polymers as Functional polymers / Intelligent polymers as well as Injection mold design title to be changed; conducting polymers as smart materials.
22. Laboratories: Dr.Jaishankar pointed out that Characterization and testing lab may be separated or renamed as Polymer Testing lab
23. NDT testing may perhaps be included in lab.
24. Foundation course like mathematics shall be placed in Elective bucket.
25. Open Elective: Dr.Siddharamaiah guided that the duration of on- line courses should be mentioned as 20/25/30 hours run by the corresponding IITs.
26. In IInd Sem, polymer products and mold die design course title are to be changed as product and die design.
27. Mold engg title is to be strengthened/modified and possibly will be as process engineering.
28. Er.Muthuvijayan mentioned that Adhesive science and technology title is to be revamped as adhesive science and seal technology.
29. Professional elective (PE): Dr.Siddharamaiah remarked that PE course titles have to be revamped and modernized name is to be given for attracting candidates.
30. General comments:  
Dr.Ravichandran pointed out that the UG course title in general should not be repeated in PG curriculum and on an average, 25 % of syllabus repetition is allowed.
31. Different discipline candidates are eligible to choose PG. Hence PE have the courses title suitable for different disciplines to create student's interest.

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32. Dr.Jaishankar told that recent 10 years publication books / review articles should be given as references and one or two subjects on research orientation may be included.
33. **To consider and approve the proposed UG program first year curriculum.**
34. Dr.S.Gandhi, HOD/PT proposed Model –I and Model –II Curriculum for First year.
35. Dr.Siddharamaiah pointed out that Basic electrical/electronics and civil / Mech Engg is essential for an engineer. It could be in I semester and Program specific course- Physical and Organic Chemistry could be fixed in III semester.
36. Dr.Pandian supported model I Papers for II Semester initially and accepted Model –II after discussion
37. All the BOS members accepted Model –II curriculum and Dr.Ravichandran stressed the title –New material given in Unit 5 in polymer chemistry in I semester needs to be altered.
38. To fix the date for the second meeting of academic council : The next meeting will be held during the next even semester (tentatively, First week of January, 2021).
39. Vote of Thanks: With a formal thanks note by Dr.S.Vinayagmoorhi, ASP/PT Member, the meeting came to an end.