

Tenth Board of Studies Meeting

Venue: Chemical Smart Class Room

Date: 10-05-2024

Time: 10.00 A. M

Agenda




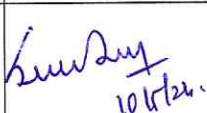

1. Welcoming Board of Studies (BoS) Members
2. Discussion on the minutes of IX BoS meeting and action taken
3. Curriculum and syllabus for III to VIII semesters of UG programme under Regulations 2021
4. New Minor Specialization and Micro-Specialization for 2024-25
5. Methodologies for innovative teaching and evaluation techniques
6. MOOC / Online Courses
7. Industry oriented courses (one credit courses)
8. Value added courses
9. Industrial training / Internship
10. Any other matter

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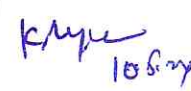
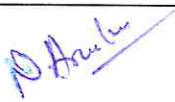
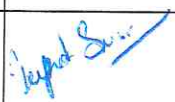


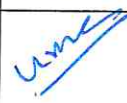


Members Present

S. No.	Name of the member with Designation	Category	Signature
1.	Dr. S. Balasubramanian Professor & Head Department of Chemical Engineering KPRIET, Coimbatore - 641407.	Chairman Board of Studies	
2.	Dr. P. Kalaichelvi Professor Department of Chemical Engineering National Institute of Technology Trichy - 620015.	Anna University Nominee	ONLINE
3.	Dr. Udaya Bhaskar Reddy Ragula Associate Professor Department of Chemical Engineering Amrita Vishwa Vidyapeetham Amrita Nagar Coimbatore - 641112.	Academic Experts (Outside the Parent University)	ONLINE
4.	Dr. L. Muruganandam Professor Department of Chemical Engineering Vellore Institute of Technology Vellore - 632014.	Academic Experts (Outside the Parent University)	ONLINE
5.	Mr. J. Ashwin Nirmal Engineer - Process WOOD India Engineering Project Pvt. Ltd. Chennai - 600113.	Industry Experts	ONLINE
6.	Dr. A. K. Priya Professor Department of Chemical Engineering KPRIET, Coimbatore - 641407.	Faculty Member	
7.	Dr. S. Karunakaran Associate Professor Department of Chemical Engineering KPRIET, Coimbatore - 641407.	Faculty Member	
8.	Dr. G. Surendran Associate Professor Department of Chemical Engineering KPRIET, Coimbatore - 641407.	Faculty Member	
9.	Dr. E. Nakkeeran Associate Professor Department of Chemical Engineering KPRIET, Coimbatore - 641407.	Faculty Member	

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10.	Dr. R. Umapriya Assistant Professor (Sl. G) Department of Chemical Engineering KPRIET, Coimbatore - 641407.	Faculty Member	
11.	Dr. M. Laxmi Deepak Bhatlu Assistant Professor (Sl. G) Department of Chemical Engineering KPRIET, Coimbatore - 641407.	Faculty Member	
12.	Dr. Nitu Kumari Assistant Professor (Sr. G) Department of Chemical Engineering KPRIET, Coimbatore - 641407.	Faculty Member	ONLINE
13.	Mr. K. Murugesan Assistant Professor (Sr.G) Department of Chemical Engineering KPRIET, Coimbatore - 641407.	Faculty Member	
14.	Mr. N. Arunkumar Assistant Professor (Sr.G) Department of Chemical Engineering KPRIET, Coimbatore - 641407.	Faculty Member	
15.	Ms. L. Dharani Assistant Professor Department of Chemical Engineering KPRIET, Coimbatore - 641407.	Faculty Member	ONLINE
16.	Mr. Teepak Soorya IV B.Tech. Chemical Engineering KPRIET, Coimbatore - 641407.	Student Member	
17.	Ms. Judith Infanta IV B.Tech. Chemical Engineering KPRIET, Coimbatore - 641407.	Student Member	
18.	Mr. G. Kumaran III B.Tech. Chemical Engineering KPRIET, Coimbatore - 641407.	Student Member	
19.	Ms. B. Umamageshwari III B.Tech. Chemical Engineering KPRIET, Coimbatore - 641407.	Student Member	
20.	Mr. R. Mugunthan II B.Tech. Chemical Engineering KPRIET, Coimbatore - 641407.	Student Member	
21.	Ms. V. S. Prashitha II B.Tech. Chemical Engineering KPRIET, Coimbatore - 641407.	Student Member	

Minutes of the 10th Meeting of The Board of Studies (BoS)

The meeting started with the Chairman, Department of Chemical Engineering welcoming the members of the Board of Studies. The Vision, Mission of the Institute and the Department were presented. The points in the agenda were presented one-by-one and the following resolutions were discussed.

RESOLUTIONS

1. Action taken on the minutes of the 9th BoS meeting

Sl. No.	Suggestions	Suggested By	Action Taken
1.	All members of the Board of Studies (BoS) appreciated the comprehensive action taken report presented for the minutes of IX BoS meeting.	BoS Members	Thanked for appreciations.
2.	Inquired about the software used in the course U21MEG01 - Engineering Graphics. She suggested to use AutoCAD in the course Engineering Graphics.	Dr. P. Kalaichelvi	We would like to add the AutoCAD in the next regulations. In regulations 2021, already the course is offered to all batch students.
3.	Combining Chemical Engineering Thermodynamics I & II into a single course and concentrate more on design oriented subjects in curriculum.	Dr. P. Kalaichelvi	Suggestions were taken and we would like to combine Chemical Engineering Thermodynamics I & II as single course and concentrate more on design oriented subjects in the next regulations.
4.	Recommended engaging specific academic experts and industry professionals to handle the Artificial Intelligence (AI) and Industrial Internet of Things (IIoT) courses in B.Tech. Chemical Engineering Program.	Dr. P. Kalaichelvi	Suggestions were taken and we will arrange the academic experts and industry professionals to handle the Artificial Intelligence (AI) and Industrial Internet of Things (IIoT) courses in upcoming academic year.
5.	Sought clarification regarding the procedure for the online course registration, credit waivers and minimum number of courses that students are eligible to register for waiver.	Dr. P. Kalaichelvi	Clarified during the discussion in the IX BoS meeting.

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6.	Proposed to encourage the students to pursue their internships and projects in prestigious laboratories under Council for Scientific & Industrial Research (CSIR), and premier institutions such as IISC, IITs and NITs in the country.	Dr. P. Kalaichelvi	Coming summer two students are going to do internships one at IIT Madras and another at NIT Trichy.
7.	Suggested that the mandatory non-credit course offered in the fifth semester, U21MYC04 - Cyber Security Essentials shall have content related to chemical industry security and its relevance to the field beyond computer science.	Dr. L. Muruganandham	Suggestions were taken, and we would like to incorporate the suggested content into the course in next regulations.
8.	Suggested to consider more online courses as elective courses.	Dr. L. Muruganandham	Suggestions were taken, and we are encouraging students to enroll in more online courses.
9.	Suggested to ensure that more than 80% of students register for the value added courses.	Dr. L. Muruganandham	In the current semester, we are offering 2 VAC courses, and 100% enrollment is ensured.
10.	Suggested to allocate individual projects to students for J component courses rather than group and review their assessment.	Dr. Udaya Bhaskar Reddy Ragula	Suggestions were taken, and we identified difficulties in assigning individual projects to all students due to their workload with semester courses. Therefore, we planned to offer individual projects specifically to advanced learners.
11.	Suggested to include Chemical Process safety in the Design and manufacturing vertical.	Dr. Udaya Bhaskar Reddy Ragula	Suggestions were taken, and we would like to include the suggested course in the next regulations.
12.	Suggested to consider the industrial internships in Engineering Procurement and Construction (EPC) companies. In general, many students prefer the conventional production companies.	Mr. J. Ashwin Nirmal	We considered the industrial internships in Engineering Procurement and Construction (EPC) companies and recommend during this summer vacation.
13.	BoS Chairman proposed to add the open elective course U21CHX06 - Membrane Technology in the VI semester, and all members approved the proposal.	BoS Chairman	The course U21CHX06 - Membrane Technology has been approved and included in the regulations 2021.

2. Minutes of the 10th BoS meeting:

1. Dr. L. Muruganandam recommended mapping of CO with SDG goals in the curriculum.
2. Dr. L. Muruganandam inquired about interdisciplinary projects in Chemical Engineering. Dr. S. Balasubramanian clarified that some students are already engaged in such projects with other departments. Additionally, it was also planned to take up projects to develop laboratory course contents using Augmented Reality and Virtual Reality in association with computer science department of KPRIET.
3. Dr. L. Muruganandam inquired about Minor and Micro degree courses, specifically regarding credits required for each degree. Dr. S. Balasubramanian clarified that 18 credits are required for a minor degree and 12 credits for a micro degree.
4. Dr. P. Kalaichelvi inquired about the timetable allocation for minor and micro degree courses. Dr. S. Balasubramanian clarified that Saturdays are tentatively proposed for major and minor degree courses.
5. Dr. P. Kalaichelvi recommended increasing the credits for the Chemical Reaction Engineering (CRE) course (Theory & Laboratory). It was supported by Dr. G. Surendran (Internal BoS member) and Ms. B. Umamaheshwari (Internal student BoS member)
6. Dr. P. Kalaichelvi inquired about the Heat Transfer project component. She suggested to add Heat Transfer equipment fabrication related topics in the project component.
7. Members approved four value added courses.
 - i) Application of Biofertilizers in Agriculture
 - ii) Techniques in surface and interface characterization
 - iii) Safety aspects of petroleum product testing
 - iv) Fundamentals of oil and gas industry
8. Dr. Udaya Bhaskar Reddy Ragula suggested to include hands-on training in Value Added Courses (VAC).
9. Mr. J. Ashwin Nirmal emphasize the importance of suggested including hazards analysis and safety-related courses in the curriculum.


10/05/2024
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