Fourteenth Board of Studies Meeting

Venue: CARE Studio, KPRIET

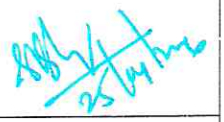
Date: 25.04.2026

Time: 2.00 PM

AGENDA

1. Welcome address.
2. Action Taken Report on the recommendations of the previous BoS meeting.
3. Approval of the syllabi for the UG programme (Semesters V to VIII) under Regulations 2025.
4. Approval of the Professional Elective (PE) verticals and Open Electives (OE) for the UG programme under Regulations 2025.
5. Ratification of courses, if already implemented, in Semesters III and IV of the UG programme under Regulations 2025.
6. Approval of additional credit courses (MCC, MNC, one-credit Industry course, MOOC, and value-added courses) to be offered for the UG programme under Regulations 2025.
7. Any other matter.

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. B. Uma Maheswari** Associate Professor, Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore – 641014.	Anna University Nominee	
3	**Prof. Tanmay Basak** Professor, Department of Chemical Engineering, IIT Madras, Chennai – 600036.	Academic Experts (Outside the parent University)	ONLINE

4	**Dr. B. Rajmohan** (RAJ MOHAN R.) Professor, Department of Chemical Engineering, NITK, Surathkal, Mangaluru Karnataka - 575025.	Academic Experts (Outside the parent University)	
5	**Mr. N. Manivannan** Manager, Process Engineering, SLB – Cameron, Coimbatore - 641014.	Industry Experts	ONLINE
6	**Mr. K. R. Sanjay** Process Engineer, Kavin Engineering Service Pvt. Ltd. TIDEL Park, Coimbatore - 641014	Faculty member	ONLINE
7	**Dr. S. Karunakaran** Associate Professor Department of Chemical Engineering, KPRIET, Coimbatore - 641407.	Faculty member	25/04/26
8	**Dr. G. Surendran** Associate Professor Department of Chemical Engineering, KPRIET, Coimbatore - 641407.	Faculty member	25/4/26
9	**Dr. E. Nakkeeran** Associate Professor Department of Chemical Engineering, KPRIET, Coimbatore - 641407.	Faculty Member	25/4/26
10	**Dr. R. Umapriya** Assistant Professor III Department of Chemical Engineering, KPRIET, Coimbatore - 641407.	Faculty Member	25/4/26
11	**Dr. M. Laxmi Deepak Bhatlu** Assistant Professor III Department of Chemical Engineering, KPRIET, Coimbatore - 641407.	Faculty Member	
12	**Er. K. Murugesan** Assistant Professor II Department of Chemical Engineering, KPRIET, Coimbatore - 641407.	Faculty Member	
13	**Er. N. Arunkumar** Assistant Professor II Department of Chemical Engineering, KPRIET, Coimbatore - 641407.	Faculty Member	25/4/26

14	**Dr. S. Pranav** Assistant Professor II Department of Chemical Engineering, KPRIET, Coimbatore - 641407.	Faculty Member	25/4/26
15	**Er. L. Dharani** Assistant Professor II Department of Chemical Engineering, KPRIET, Coimbatore - 641407.	Faculty Member	25/04/2026
16	**Dr. S. Sarath** Assistant Professor I Department of Chemical Engineering, KPRIET, Coimbatore - 641407.	Faculty Member	25/4/26
17	**Ms. Samyuktha Ramesh** II B.Tech. Chemical Engineering KPRIET, Coimbatore - 641407.	Student Member	25/04
18	**Mr. Muthuvel Rajan V** II B.Tech. Chemical Engineering KPRIET, Coimbatore - 641407.	Student Member	

Minutes of the 14th 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 12th BoS Meeting

S. No.	Suggestions	Suggested By	Action Taken
1	Enquired how the laboratory component is implemented in the mathematics course.	Dr. B. Uma Maheswari	Dr. S. Balasubramanian, explained that the theoretical concepts will be discussed in the classroom, followed by problem-solving sessions using MATLAB™ Complied
2	Emphasized the importance of spoken English and suggested to include the different accents (US and UK	Prof. Tanmay Basak	Dr. S. Balasubramanian informed that the suggestion will be taken up with the help of English department.

	English), in Semester II.		Complied
3	The department has international students (Zimbabwe and Tanzania) and encouraged continuous interaction among Indian and international students to understand different accents of English.	Dr. G. Surendran	Complied
4	Stressed the importance of highlighting Python programming skills to students. He further recommended including Strength of Materials as a key topic under Elements of Mechanical Engineering, considering its relevance for Chemical Engineering students.	Prof. Tanmay Basak	Python Programming – Complied. Strength of Materials inclusion: Will be considered based on interaction with Department of Mechanical Engineering.
5	For basics of electrical and electronics engineering course, it was suggested to take the students for an industrial visit and expose them in electrical components and practical applications.	Prof. Tanmay Basak	Suggestion is shared with Department of Electrical and Electronics Engineering - Complied
6	Enquired about the topics included under the course Tamils and Technology and recommended involving a Tamil history expert to strengthen the content. In the current syllabus, it is also observed that the technology/engineering related to architecture, civil, textiles, ceramics (pottery), production, agriculture and water through Tamil's heritage is available.	Prof. Tanmay Basak	Complied

7	Sought clarification on Design Thinking course and its mode of delivery.	Dr. B. Uma Maheswari	Dr. R. Umapriya explained that students are encouraged to visit the field, identify problems, discuss with peers, and apply relevant tools, as part of a block teaching approach Complied
8	Recommended to have English professors from different regions of the world to strengthen students' accent and exposure, especially for English Proficiency III in Semester III.	Prof. Tanmay Basak	Faculty recruitment is in progress. Existing faculty from English department is handing the course. However, for Chinese language a Chinese professor is recruited by the institute and the course was offered.
9	Process Instrumentation course has been introduced in Semester IV based on the suggestions from NBA experts, as it was not offered in the previous curriculum 2021.	NBA Experts	Complied
10	Raised a concern regarding the absence of Transport Phenomena course. Prof. Tanmay Basak stated that even in IIT Madras, the course is not offered in the earlier stage, the fundamentals of Fluid Mechanics, Heat Transfer, and Mass Transfer was preserved.	Dr. B. Uma Maheswari	Complied
11	It was asked about the course Process Modelling and Simulation, was it a part of regular professional core courses?	Dr. B. Uma Maheswari	Mr. N. Arunkumar clarified that the course is offered as an professional elective. Complied
12	It was suggested inclusion of Carbon Capture in some part of the curriculum.	Mr. N. Manivannan	Complied – Included as a Value Added Course

13	It was emphasized strengthening of Industry – Institute collaboration for the courses offered to the students	Mr. K. R. Sanjay	The department has a Professor of Practice, Mr. Ravi Ramasamy, who has strong industry links. The course Insights into Chemical Engineering was offered as a 1-credit course for 15 hours, with lectures delivered by industry experts.
14	It was commented that 45 hours for a 3-credit course is too long. Prof. Tanmay Basak recommended conducting Process Calculations for 4 hours per week. Dr. B. Rajmohan suggested following 35 hours for 3-credit courses and 45 hours for 4-credit courses.	Dr. B. Rajmohan Prof. Tanmay Basak	Suggestion was noted. However, the courses were framed based on the Anna University Regulations.
15	It was requested to include most popular text books written by foreign authors in all the core courses.	Prof. Tanmay Basak	Complied
16	The NCC - Army, NCC - Navy and NCC - Air Force syllabi for the 3rd semester (3 credits) were presented and approved by the BoS members.	No comments	Complied
17	It was enquired about the Faculty handling the value added courses and one-credited courses.	Dr. B. Rajmohan	Dr. S. Balasubramanian clarified that these courses are taken by faculty members based on their expertise, along with industry professionals. Complied
18	It was enquired about monitoring Massive Open Online Courses (MOOCs).	Dr. B. Rajmohan	Dr. S. Balasubramanian responded that mentors oversee/monitor the progress of their mentees.

19	It was about the pattern of internal and external question paper selection in end-semester examinations.	Dr. B. Rajmohan	Dr. S. Balasubramanian explained that the question selection process is carried out through a systematic procedure.
20	It was requested the contents of value-added course for review and sought details on the placement process.	Dr. B. Rajmohan	Dr. G. Surendran, explained that the majority of the students are interested in core chemical engineering jobs and the process followed was explained. The value added courses content were also prepared in line with the industry requirements. Chemskill Center, Chennai was supporting the courses.

2. Minutes of 14th BoS Meeting

1. Dr. B. Rajmohan suggested that the course title "Heritage of Tamils" offered in Semester I may be revised as "Heritage of Tamilians". Dr. S. Balasubramanian informed that the course title is prescribed by Anna University and the suggestion shall be forwarded for consideration.

2. Dr. B. Rajmohan sought clarification regarding the offering of both "Computer Fundamentals and Coding Essentials" and "Biology for Engineers" under a common basket in Semester II. Dr. S. Balasubramanian clarified that the courses shall be allotted based on the Higher Secondary stream of the students. Biology stream students shall take Computer Fundamentals and Coding Essentials, whereas Computer Science stream students shall take Biology for Engineers.

3. Dr. B. Rajmohan sought clarification regarding the courses listed under Mandatory Credit Courses (MCC – Non CGPA) / Mandatory Non-Credit Courses (MNC) in Semester III and enquired about the environmental course component. Dr. S. Balasubramanian presented the complete list of courses and clarified that environmental courses are also included, but were not shown in detail due to space constraints. Dr. B. Rajmohan suggested indicating "etc." for clarity.

4. Dr. B. Uma Maheswari sought clarification regarding the credit allocation for Mechanical Operations offered in Semester III, which includes theory with project component. Dr. R. Umapriya explained the LTPJ structure and the corresponding credit allocation. Dr. B. Rajmohan further enquired about faculty

support during laboratory hours for such integrated courses. Dr. R. Umapriya informed that assisting faculty members shall be provided.

5. Dr. B. Rajmohan suggested that "Probability and Statistics for Engineering Systems" offered in Semester IV may be handled by faculty members of the Department of Chemical Engineering, as it would also support research-oriented activities. Dr. S. Balasubramanian informed that the same shall be discussed internally and noted that Mathematics faculty members are also contributing in specialized engineering domains.

6. Dr. B. Rajmohan enquired about the basis for framing course titles across semesters. Dr. S. Balasubramanian informed that the titles are aligned with Anna University and AICTE Model Curriculum nomenclature wherever applicable.

7. Dr. S. Balasubramanian informed that two courses related to Artificial Intelligence are being offered, "Essentials of Artificial Intelligence" in Semester III and "Data Science for Chemical Engineers" has been included in Semester VII.

8. Dr. B. Rajmohan sought clarification regarding the selection of Professional Electives. Dr. S. Balasubramanian clarified that the electives shall be offered from the identified six specialization verticals.

9. Dr. B. Rajmohan enquired about student participation in internship and placement activities. Dr. S. Balasubramanian informed that students shall be deputed during Semester VII and only paid internships are permitted.

10. Dr. B. Rajmohan enquired whether finance sector companies have recruited Chemical Engineering students. Dr. S. Balasubramanian informed that students from other disciplines have been recruited, whereas recruitment of Chemical Engineering students in such companies has been minimal.

11. Dr. B. Uma Maheswari sought clarification regarding project work during Semester VIII internships. Dr. S. Balasubramanian informed that flexibility is provided to students, and either internship-based work or regular project work may be considered. Students shall appear for project reviews and final viva-voce examinations.

12. Dr. B. Rajmohan enquired whether Mandatory Credit Courses can be aligned with Chemical Engineering concepts and delivered by department faculty members. Dr. B. Uma Maheswari suggested that sustainability-related courses may be offered by Chemical Engineering faculty. Dr. S. Balasubramanian informed that these common courses are presently handled at institute level considering faculty workload. Dr. B. Rajmohan suggested that additional faculty may be engaged in future.

13. Dr. B. Rajmohan enquired about the selection process for specialization verticals. Dr. S. Balasubramanian informed that students are given flexibility in selection, subject to a minimum CGPA criterion of 7.5.

14. Dr. B. Rajmohan suggested that vertical combinations may also be considered. Dr. S. Balasubramanian informed that structured vertical pathways with fixed subjects are presently maintained for focused domain expertise.

15. Dr. B. Rajmohan enquired about the World Skills courses such as Chemical Laboratory Technology and Water Technology and whether they are theory or laboratory oriented. Dr. S. Balasubramanian informed that the courses are offered as Open Electives with project components, and students are encouraged to participate in World Skills competitions.

16. Dr. B. Rajmohan enquired about admission procedures for international students. Dr. S. Balasubramanian informed that KPR International Centre coordinates with AICTE and the respective embassies for admissions.

17. Dr. S. Balasubramanian informed that the MCC course "Microfluidics for Chemical Engineers" has been shifted to Semester IV based on the recommendations of the PAC Committee. Dr. B. Rajmohan suggested that the course may also be considered in higher semesters.

18. Dr. B. Rajmohan enquired about the availability of Aspen software license and faculty expertise in the same. Dr. S. Balasubramanian informed that the department possesses 150 licenses renewed annually, and faculty members have also undertaken consultancy assignments using Aspen software.

19. The BoS members recommended that the course U25CH101 – Introduction to Chemical Engineering be offered as an MCC course in the II Semester instead of the I Semester, in accordance with the revised curriculum structure and semester pattern.

20. Mr. N. Manivannan appreciated the presentation, conveyed his best wishes, and stated that he had no further comments.

21. Prof. Tanmay Basak appreciated the presentation slides and the collective efforts of the faculty members of the department. He also appreciated the retention of traditional core Chemical Engineering course titles.

22. Prof. Tanmay Basak appreciated the incorporation of his earlier recommendations, including UK and US accent components in "English Proficiency II" offered in Semester II, and the inclusion of multidisciplinary heritage components in "Tamils and Technology".

23. Prof. Tanmay Basak suggested that market survey components may be incorporated in AI-related courses.

24. Prof. Tanmay Basak suggested identifying core industries, collecting problem statements from them, and circulating the same to students for project work.

25. Prof. Tanmay Basak suggested encouraging industry professionals to register for Ph.D. programmes, as compared to limited preference for M.Tech. graduates after undergraduate studies.

26. The meeting ended with a vote of thanks to all the members for their valuable suggestions and active participation.

HoD/ Chemical