



Minutes of the 13th BoS Meeting

Minutes of the 13 th BOS meeting held on 25th April, 2025

The 13th BOS meeting was conducted in online mode on 25th April, 2025 from 10.30 am onwards.

Agenda I: Introductory remarks by HOD (Chairman Board of Studies) Dr M Mukunda Vani, Head of the Department and Chairman, BOS, cordially invited the Members of the BOS and briefed about the achievements of the department, activities undertaken in the department during the academic year (2024-25)

Agenda II: Introduction of the Members present by HOD
BOS Members Present

External Members:

Online:

1. Dr. Kishalay Mithra, Professor, IIT Hyderabad
2. Dr Srinivas Appari, Associate Professor, BITS-Pilani, Hyderabad campus
3. Dr. Sunil Kumar, Professor, Department of Chemical Engg, IIT Tirupati
4. Lakshminarayanan Samavedham, Associate Professor in the Department of Chemical and Biomolecular Engineering National University of Singapore

Internal Members

1. Dr. M. Mukunda Vani, HOD Chemical Engineering and Chairman BOS.
2. Dr P.V. Naga Prapurna, Associate Professor, Chemical Engineering Dept.
3. Dr M Mallaiah, Associate Professor, Chemical Engineering Dept.
4. Sri. I. Balakrishna, Sr Assistant Professor, Chemical Engineering Dept.

All other faculty members of the Chemical Engineering Department.

Agenda 3 To review and approve new vision, mission, PEOs and PSOs statements of the department

As per the suggestion of the NBA expert committee and stakeholders feedback, it was decided to modify the vision, mission, PEOs and PSOs statements. As per the feedback from stakeholders and as per the discussion in PAQIC and DAB meeting, the statements were modified and presented to the members. The Vision, Mission statement, PEOs and PSOs are approved by the members with minor modifications.

The following are the finalized statements.

DEPARTMENT VISION:

To be a department of excellence in chemical engineering education and research, fostering innovation, sustainable technological advancement, and entrepreneurship, while empowering graduates to lead in academia, industry, and startups.

DEPARTMENT MISSION:

- M1:** Deliver quality technical education that builds strong fundamentals and real-world problem-solving skills.
- M2:** Advance research and innovation in sustainable and emerging technologies, addressing global challenges through interdisciplinary collaboration.
- M3:** Foster entrepreneurship, ethical responsibility, and leadership for global impact

PROGRAM EDUCATIONAL OBJECTIVES: Graduates will

- PEO1:** Excel in advanced studies, research, and entrepreneurship using chemical engineering principles, and deliver innovative solutions to industry challenges.
- PEO2:** Possess the ability to lead, collaborate effectively, and conduct themselves ethically in professional environments.
- PEO3:** Apply their technical expertise and analytical skills to enhance the design, evaluation, and optimization of products and processes, with a strong focus on process intensification.
- PEO4:** Engage in continuous technological advancements, staying relevant and adaptable in an ever-evolving world by embracing emerging fields such as artificial intelligence and machine learning.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: Graduates will apply core chemical engineering principles and interdisciplinary knowledge to model, simulate, design and optimize sustainable processes using modern computational tools.

PSO2: Graduates will undertake real-life projects and research activities, fostering innovation and addressing environmental and societal challenges through green chemical engineering practices.

Agenda 4: To review and approve the CO-PO articulation matrix of R20, R22 and R22A

As per the new guidelines of NBA, all the COs of each subject are to be mapped to the modified 11 POs instead of 12 POs. This mapping for R 20, R 22 and R 22 A schemes were presented and was approved by the BoS members present.

Agenda 5: To review and approve CO-PO articulation matrix of Open elective courses

CO-PO mapping with 11 POs for the open elective courses offered by the Chemical Engineering Department to other departments was also approved.

Agenda 6: To approve Honors and Minor degree courses.

The committee is appraised of the list of courses for Honors and Minor degree during the AY 2024-25. Approval was obtained for the courses. Details of the students who enrolled for Honors degree and Minor degree in the year 2024-25 was furnished.

Agenda 7: Any other matter with the permission of the Chair

- 1) As it is observed difficult to run 2 computer labs viz Artificial intelligence in Chemical Engineering Lab and Plant design Lab in same semester (VII semester), and also to have the best utilisation of computer lab, it is decided to shift PDC lab from VI to VII semester and PD lab from VII to VI semester, in R22A curriculum.

- 2) It was appraised that the Aveva Process Simulation software was offered as a Winter upskilling programme. The status of the course was informed and it was suggested by the members to include that in PMS lab, Plant Design Lab as an alternate simulation tool along with ASPEN Plus and MATLAB.

As there are no other items to be discussed the meeting ended on a positive note and the Coordinator, BoS committee Mr. I Bala Krishna proposed a vote of thanks to the members present.



I Bala Krishna
Coordinator, BoS,



(Dr M Mukunda Vani)
Head and Chairperson BoS,
Department of Chemical Engineering