



## CHEMICAL ENGINEERING DEPARTMENT

### Minutes of the 11<sup>th</sup> BoS Meeting

#### Minutes of the 11th BOS meeting held on 29th April 2023

The 11<sup>th</sup> BOS meeting was conducted in online mode as per the requests and availability of the external members. The meeting started at 1:00 PM as per the schedule given.

#### 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 vision and achievements of the department, activities undertaken in the department during the previous academic year (2022-23) and the accreditations due for the AY 2023-24.

#### Agenda II: Introduction of the Members present by HOD

##### BOS Members Present

##### External Members:

1. Dr. Vinod Janardhan, Professor, Department of Chemical Engg, IIT-Hyderabad.
2. Dr.Sreepriya Vedantam, Principal Scientist, Chemical Engg Sciences, IICT, Hyderabad.
3. Sri. P.S.Pavan Kumar, Chief General Manager, Process Safety, Aurobindo Pharma Ltd., Hyderabad.
4. Sri. G. Venu Babu, Associate Vice President, Operations, Shilpa Pharma Life Sciences Ltd, Raichur
5. Dr. Disha Ahuja, Managing Director, Ahuja Green Technologies, Secunderabad

##### 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 Mallaiiah, Associate Professor, Chemical Engineering Dept.
4. Sri. I. Balakrishna, Sr Assistant Professor, Chemical Engineering Dept.
5. Dr P Madhuri, Assistant Professor, Chemical Engineering Dept.

All other faculty members of the Chemical Engineering Department.

#### Agenda III: To review and approve the R22 Scheme for III to VIII semesters.

The Scheme for semesters III to VIII was approved by the BoS with minor modifications. Credits, Lecture hours and other details in the scheme are verified. The following are the highlights.

- i. Members expressed the opinion that Subject M-III to be changed to III semester and Chemical Technology to IV semester.
- ii. Members gave approval for the introduction of two new courses along with associated labs, as per the feedback collected from the stake holders viz., students, Alumni and employers.
- iii. In Semester IV, Instrumentation and Material characterization & associated lab and in

Semester VI, Artificial Intelligence for Chemical Engineers and associated lab are introduced.

**Agenda IV:** To review and approve III and IV semester syllabus.

The syllabus of III and IV semesters are discussed at length. The following suggestions are made by the BoS members.

- i. All the subjects can have five (5) Course outcomes.
- ii. In Chemical Technology, suggestions are given to add topics on green hydrogen and Ammonia product.
- iii. Instead of Steam reforming Electrolysis can be introduced. Also lab scale production techniques can be included.
- iv. In Mechanical Unit Operations theory, basic Pharma operations can be covered.
- v. In Instrumentation and Material characterization(IMC) subject, BET instrument method can be included in Unit III.
- vi. ICP MS and ICP OES techniques can be discussed in the IMC syllabus.
- vii. In Energy Engineering, Coal combustion can be replaced with Nuclear Energy.
- viii. In MTO I book by B.K Dutta can be included as text book/reference book.
- ix. Two credit course shall have at least four topics and three credit course shall have six topics per unit to facilitate question paper setting by the examiners.

**Agenda V:** To approve Honors and Minor degree courses.

The committee is appraised of the list of courses for Honors and Minor degree during the AY 2023-24. It is agreed upon by external BoS members to approve the list of new courses for Honors and Minors for the I semester of 2023-24 through email. Details of the students who obtained the required credits for obtaining Honors degree in the year 2022-23 is furnished.

**Agenda VI:** Any other matter with the permission of the Chair

- i. The procedure to offer Value added courses was discussed and was agreed to offer at least one such course every semester, which would enhance the skills and employability of the students.
- ii. The list of open electives along with their syllabus to be offered to other branches of Engineering is presented and the same was approved by the members.

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 Chairman BoS,  
Department of ChemicalEngineering