

SRI VENKATESWARA COLLEGE OF ENGINEERING

Pennalur, Sriperumbudur Tk - 602117

12th Board of Studies of Faculty of Biotechnology and Chemical Engineering

Minutes of the Board of studies Meeting

Ref: SVCE/BoS-BT&CH/2021-22/12

Date: 18/09/2021

Time: 10.30 am to 12.45 pm

The board of studies meeting for Biotechnology (BT) and Chemical Engineering (CH) Board was held on 18th Sep, 2021 through online Google meet. The meeting started at 10.30 am. The following members were present in the meeting.

1. Prof. N. Meyyappan, Professor & HOD, Department of Chemical Engineering, SVCE (Chairman, BOS for BIO & CHE).
2. Prof. P. Rani, Department of Biotechnology, PSG College of Technology, Peelamedu, Coimbatore – 641004, Member (Anna University Nominee).
3. Sri. A. Ramasubramanian, General Manager - Process, M/s. Technip India Limited, Chennai. Member (Industry Expert-CHE).
4. Prof. N. Balasubramanian, Professor & Former HOD, Department of Chemical Engineering, AC Tech., Anna University, Chennai – 600 025, Member (Subject Expert)
5. Dr.V.Sumitha, Associate Professor & HOD, Department of Biotechnology, SVCE. (Member)
6. Mr.D.Senthil Kumar, Senior Process engineer, McDermott International Inc.,(Alumni of Department of Chemical Engineering)
7. Dr.Karthik P Subramaniam, Assistant Professor, IIT, Gandhi Nagar, ,(Alumni of Department of Chemical Engineering)
8. All the faculty members of the Department of Biotechnology and Department of Chemical Engineering, SVCE (Members).

Prof. N. Meyyappan, Chairman of BoS of BIO & CHE, welcomed the members of the BoS and preceded the BoS meeting by introducing the new members to the Committee.

Following were the points discussed in the BoS meeting.

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Agenda: 1 Approval of the previous minutes

1. The previous minutes of the meeting was displayed by the chairman and approved by the members.
2. The new faculty members who joined the chemical engineering department introduced themselves in BOS.

Agenda: 2 Discussion about the development of new curriculum under R2022

a) B Tech (Chemical Engineering)

A new draft curriculum for B. Tech Chemical Engineering was proposed with to the committee and the following points were discussed.

1. All the external expert members wanted to maintain six theory courses in the first and second semester.
2. The members suggested renaming the courses 'Engineering Physics III and Engineering Chemistry III suitably for the first semester.
3. A new course entitled 'Principles of Chemical Engineering) with 3 credits was introduced in the first semester of the R22 draft curriculum and the syllabus was highlighted.
4. The members suggested that external lectures on the contents present in Principles of Chemical Engineering can be arranged for the students instead of introducing the course.
5. A new course entitled 'Biology for Chemical Engineers' was introduced in the first semester of the R22 draft curriculum.
6. The members suggested that the course 'Biology for Chemical Engineers' can be shifted to later semesters to reduce the load for students in first year.
7. Overall, the committee insisted on covering more of the Professional Core subjects in the UG curriculum.

b) M Tech (Chemical Engineering)

1. A new draft curriculum for M. Tech Chemical Engineering was proposed with a few modifications and was approved, as it did not deviate much from the AICTE Model Curriculum.
2. Industrial Expert member Sri A Ramasubramanian suggested to have a prerequisite set of lectures should be given to the students who didn't take Transport Phenomena in their respective B. Tech programme.
3. Academic Expert Dr N Balasubramanian recommended the course entitled 'Software applications in Chemical Engineering' under the category of EEC rather than in PC.

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C) B.Tech Biotechnology:

R2022 draft curriculum for B.Tech - Biotechnology programme was presented by HOD/Biotech to the board members and the following points were discussed.

1. Dr. P. Rani, Professor, PSG Tech Coimbatore enquired the possibility of taking the core courses (Biochemistry and Biochemistry Laboratory) offered in second semester by lateral entry students. It was then proposed to offer this course for the lateral entry students in the higher semesters also.
2. The draft syllabus for the courses like Biology for Engineers, Biology for Chemical Engineers, Biochemistry and Biochemistry Laboratory were presented by HOD/biotech and the board approved the same.
3. Dr. Karthick Subramanian (Alumni) suggested about including any course involving drug discovery and drug design in the curriculum. HOD/Biotech mentioned about the course “Cheminformatics and Medicinal chemistry” which was planned to be offered in seventh semester.
4. Dr. Balasubramanian, Industry expert discussed about the feedback on curriculum and syllabus of previous years. HOD/Biotech mentioned that the curriculum was proposed based on feedback obtained from all the stake holders’ including alumni, students, industrial expert and faculty members during IIIC meeting.
5. Dr. Karthick Subramanian (Alumni) also enquired about the student’s participation in iGEM competitions. HOD/Biotech mentioned about the awards received by the students in iGEM competitions in the previous years. She also mentioned that because of the lockdown, the students were unable to take it up.

D) M.Tech Biotechnology:

R2022 draft curriculum for M.Tech - Biotechnology programme was presented by HOD/Biotech to the board members and the following points were discussed.

6. Anna University Nominee Dr. P. Rani Professor, PSG Tech Coimbatore suggested to include OMICS related courses under professional core category.

The Chairman informed that the recommendations made by the BoS members will be forwarded to the Academic Council of SVCE for further approval.

Dr. Govindarasu. R, (AHOD/CHE) delivered the vote of thanks to the BOS members for their presence and valuable suggestions

The Chairman thanked all the members for their presence and the meeting was adjourned at 2.45 PM.

Prof. N.Meyyappan Chairman

Board of Studies for Biotechnology and Chemical Engineering

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