



**Board of Studies of Faculty of Technology  
Minutes of the 18<sup>th</sup> Board of Studies Meeting**

**Ref: SVCE/BoS-FoT /2023-24/18**

**Date:12.04.2024**

**Time:10.30 AM to 01.00 PM**

The Board of Studies meeting for Technology Board was held on 12<sup>th</sup> April, 2024 through hybrid mode. 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) Dr. J. Tamilselvan, Associate Professor, Department of Biotechnology, Anna University, Chennai – 600 025, Anna University Nominee.
- 3) Prof. N. Balasubramanian, Professor, Department of Chemical Engineering, A C Tech., Anna University, Chennai – 600025, Subject Expert – CHE.
- 4) Prof. M. Sivanandham, Secretary, & Professor of Biotechnology, SVCE (Special Invitee).
- 5) Dr. E. Nakkeeran, Professor & HOD, Department of Biotechnology, SVCE. (Member)
- 6) Dr. Nitin Muralidharan, Assistant Professor, Department of Chemical Engineering, IITM, Chennai – 600025, Alumni, SVCE-CHE.
- 7) All the faculty members of the Department of Biotechnology and Department of Chemical Engineering, SVCE (Members).

Prof. N. Meyyappan, Chairman of BoS, Faculty of Technology, welcomed all the faculty members to this BoS and preceded the BoS meeting by introducing the members to this board.

Following points were discussed in the BoS meeting

### **Approval of the previous minutes**

The previous minutes of the meeting was displayed by the chairman and got it approved by the members.

## ***SECTION A : CHEMICAL ENGINEERING***

### **Agenda: 1 Draft Vision and Mission**

The revised draft Vision and Mission statements of the departments, which were modified, based on college level new vision and mission statements were presented to the board and the board members recommended the statements.

The curriculum structure, made accordingly to achieve the Vision and Mission of the department through the PO, PSO and PEO's for the Department of Chemical Engineering was informed to the BoS Members.

### **Agenda: 2 Result analysis**

The Head of the Department of Chemical Engineering presented the Result Analysis of various semesters during the odd semester of the academic year 2023-24. The overall results were well appreciated by the members. However they raised a concern to know if any student had failed due to lack of internal marks.

HoD/CHE informed that there is a provision for Internal Improvement in the subsequent semesters if the Internal marks is less than 23 out of 50.

The members also suggested the following:

- a. If the students fail for a first time during higher semesters, the root cause analysis is to be done and the issue is to be rectified.
- b. The possibility of improving the student's internals after third assessment can be identified to avoid students fail due to lack of internals.

### **Agenda:3 Semester Abroad Program**

Prof.E.Nakkeeran, highlighted the introduction of the Student Exchange Programme for one or two semesters by AICTE and the initiative that a Memorandum of Understanding for the Student Exchange Programme will be signed between SVCE and University of Connecticut, USA to effect the same as discussed in the previous meeting.

### **Agenda:4 Semester in Industry**

Prof.N.Meyyappan, informed the members about the Semester in Industry Option that would be introduced to the students in their higher semesters. The members discussed about the possibility of completing the regular courses during that period and the possibility of framing the syllabus with industry personnel accordingly to suit as Professional electives was well appreciated by the members.

Prof.N.Meyyappan also informed about the appointment of visiting professors for delivery of partial / full courses in the chemical engineering curriculum and we have approached Shri.L.David, Head EHS, DANFOSS Industries Pvt.Limited, Chennai and few other industrial persons for the same.

### **Agenda:5 Question Paper Pattern**

Prof.N.Meyyappan proposed the change in the Question paper pattern for Design Subjects, Process Equipment design I and II as follows:

Part –A 2 marks – 20%

Part – B 14 marks – 70%

Part – C 10 marks – 10%

The usual pattern of question papers were discussed at length and the proposed change was recommended by the members.

## **Agenda:6 R22 Curriculum and Syllabus**

### **a) B. Tech (Chemical Engineering)**

The Chairman informed the board that the curriculum was approved from I to VIII semester, and syllabus up to IV semester in the previous meeting and presented the syllabus for V to VIII semesters along with the verticals.

Dr.N.Balasubramanian expressed his interest in knowing the changes made in the Teaching Learning Process of Chemical Engineering Thermodynamics II syllabus which was framed as a TNP (Theory and Practical) Integrated course. The procedure for awarding marks for all 6 categories of TNP cases was explained to the members and that 50 – 50% evaluation will be taken up for CET II. The members responded in acknowledgement.

HOD/CHE presented the syllabus for B Tech (Chemical Engineering), prepared based on the feedbacks from the stakeholders, and necessary suggestions were taken from persons expertise in the respective domains.

The presented syllabus for V-VIII semesters and verticals were accepted and it got approved with the following comments, by the members.

- The committee members recommended the course “Communication Skills Laboratory” instead of “Interview and Career Skills Laboratory”.
- The quality Control and Management course could be renamed as Quality Control, Assurance and reliability based on the content of Syllabus.
- The need for MATLAB/ASPEN course as a value added course was discussed over PMS integrated course and a suggested to offer an alternative.

The plan of handling the vertical HSE in process industries with both academic and industrial experts was well received by the members. They also suggested preparation of reports on previous incidents as a case study would be helpful to students .

Overall, The draft curriculum was well received by the members, to be forwarded to the Academic council.

#### **b) M. Tech (Chemical Engineering)**

The chairman presented the curriculum and syllabus for the R-22 M.Tech Chemical Engineering programme and informed the members that it was already approved by the academic council earlier.

## ***SECTION B : BIOTECHNOLOGY***

### **Agenda 1: Result Analysis**

Prof. E. Nakkeeran, HOD/BIO, presented the result analysis of the I, III, V, and VII semesters of B.Tech Biotechnology & I and III semesters of M.Tech Biotechnology for the Academic Year: 2023-24 OS to the BoS members. The overall results were well received by the members. However, they provided the following suggestions:

- a. If students fail for the first time during higher semesters, it should be noted, analyzed, and rectified.
- b. Check the possibility of improving students' internals in the same semester itself to avoid students failing due to lack of internals (if any).

### **Agenda 2: Draft Vision and Mission**

Prof. E. Nakkeeran, HOD/BIO, presented the draft vision and mission statements of the Department of Biotechnology and PEOs and PSOs of B.Tech Biotechnology, which have been modified based on the college-level new vision and mission statements. The BoS members recommended the draft vision and mission statements and PEOs and PSOs of B.Tech Biotechnology program.

### **Agenda 3: Curriculum and Syllabus**

#### **a) R22 - B.Tech (Biotechnology)**

Prof. E. Nakkeeran, HOD/BIO, informed the BoS members that the curriculum and syllabus (up to IV semesters) of the R22 B.Tech Biotechnology program have been recommended by the BoS and approved by the Academic Council earlier.

Prof. E. Nakkeeran, HOD/BIO, presented the draft curriculum and syllabus (semesters V-VIII along with all the verticals, value-added, open electives, etc.) of the R22-B.Tech Biotechnology program to the BoS members. All the BoS members recommended the same to the Academic Council for approval. The BoS members further recommended the course “Communication Skills Laboratory” instead of “Interview and Career Skills Laboratory”.

In addition, Prof. E. Nakkeeran, HOD/BIO, sent the draft syllabus (semesters V-VIII along with verticals, value-added, open electives, etc) of the R22-B.Tech Biotechnology program to the BoS members through email, as requested by them.

Prof. E. Nakkeeran, HOD/BIO, informed about the execution of a MoU with the University of Connecticut to facilitate the Student Exchange Program (SEP) for the students of R22-B.Tech Biotechnology program to study a semester at University of Connecticut. All the BoS members appreciated the same.

#### **b) R22 - M.Tech (Biotechnology)**

Prof. E. Nakkeeran, HOD/BIO, informed the BoS members that the curriculum and syllabus (I - IV Semesters) of the R22-M.Tech Biotechnology program have been recommended by the BoS and approved by the Academic Council earlier.

#### **Agenda 4: Involvement of industry experts in Teaching-Learning Process as Visiting Professors:**

Prof. E. Nakkeeran, HOD/BIO, informed the BoS members about the appointment of Visiting Professors from the industry in the Department of Biotechnology for the partial delivery of the curriculum/delivery of a complete course for B.Tech Biotechnology courses. Visiting Professors include Dr. Pazhanimuthu Annamalai, Managing Director of AURA Biotechnologies Private Limited, Chennai; Dr. Naveen Kumar Venkatesan, Founder & Managing Director of ImmuGenix Biosciences Pvt Ltd, Chennai; and Dr. Balaji Somasundaram, Associate Director of Denteric Pty Ltd, Australia. All the BoS members appreciated this initiative.

All the BoS members appreciated and recommended the initiation of the Semester Abroad Programme and the Semester in Industry Programme.

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

Dr. E. Nakkeeran, HOD/ BIO 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 this meeting was adjourned at 1.00PM.

Prof. N. Meyyappan,  
Chairman - BoS  
Faculty of Technology.

Members Present:

<p>Prof. J.Tamilselvan, Anna University Nominee, Associate Professor, Department of Biotechnology, Anna University, Chennai.</p>	<p>Prof. M. Sivanandham, Secretary, SVEHT, Professor of Biotechnology, SVCE.</p>
<p>Prof. N. Balasubramanian, Academic Expert, Professor, Department of Chemical Engineering, A C Tech., Anna University, Chennai – 600025.</p>	<p>Dr.Nithin Muralidharan, Alumni – SVCE CHE, Assistant Professor, Department of Chemical Engineering, IITM, Chennai – 600025.</p>
<p>Dr. E. Nakkeeran, Professor &amp; HOD, Department of Biotechnology, SVCE</p>	



Faculty Members of the Department of Chemical Engineering and Biotechnology:

S.No	Name of the Faculty	Designation	Signature
1.	Ms.Vijayalakshmi.A.C	Asst.Professor, UG Curriculum coordinator – CHE	
2.	Dr. G. Sudha	Associate Professor, PG Curriculum coordinator – CHE	
3.	Dr.K.Vasanthraj	Asst.Professor, Curriculum coordinator – BIO	
4.	Dr.R.Palani	Associate Professor	
5.	Dr.R.Govindarasu	Asso.Professor, AHOD	
6.	Dr. R. Rajesh @ Nithyanandham	Associate Professor	
7.	Mr. S. Rajasekar	Asst.Professor	
8.	Dr. D. Sivakumar	Asst.Professor	
9.	Mr. N. Arun Prem Anand	Asst.Professor	
10.	Mr. S. Jai Ganesh	Asst.Professor	
11.	Dr. N.P.Kavitha	Asst.Professor	
12.	Dr.G.Manikandan	Asst.Professor	
13.	Dr.M.Srividhya	Asst.Professor	
14.	Dr.Philip Bernstein Saynik	Asst.Professor	
15.	Mr. M. AnandaBoopathy	Asst.Professor	
16.	Dr.V.Sumitha	Professor	
17.	Dr.S. Pandi Prabha	Professor, AHoD	
18.	Dr.P.K.Praveen Kumar	Professor	
19.	Dr.K.Divakar	Associate Professor	
20.	Mr.J.Hariharan	Asst.Professor	
21.	Mr.N.Sathish	Asst.Professor	
22.	Mr.S.Nagavignesh	Asst.Professor	
23.	Dr.G.Karthiga Devi	Asst.Professor	
24.	Dr.K.Ganesh Prasath	Asst.Professor	
25.	Mr.J.G.Aswin Jeno	Asst.Professor	
26.	Dr.J.Isaivani	Asst.Professor	
27.	Dr.M.Nareshkumar	Asst.Professor	
28.	Mr.A.Vimal Arasan	Asst.Professor	

