



Dr. B. R. Ambedkar National Institute of Technology, Jalandhar
Department of Chemical Engineering

Ref.: NITJ/CH/ 365

Date: 26-04-2022

Sub: Minutes of 27th BOS meeting (Revised)

Please find the Revised Minutes of 27th Board of Studies (BOS) meeting of Department of Chemical engineering.

Thank you

Dr. Anjireddy Bhavanam
(Dr. Anjireddy Bhavanam)

Assistant Professor and Member Secretary
BOS, Chemical Engineering.

HD/CH

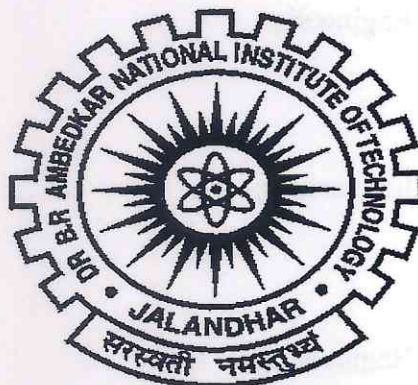
Ranjit
26/04/22

DA

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Revised

MINUTES
OF
27th MEETING
OF
BOARD OF STUDIES
OF
DEPARTMENT OF CHEMICAL ENGINEERING



March 11, 2022 AT 12:30 PM

DEPARTMENTAL LIBRARY

Dr. B.R.AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY
JALANDHAR- 144011

AN EMERGENT BOARD OF STUDIES (BOS) MEETING OF DEPARTMENTAL FACULTY MEMBERS WAS CONDUCTED ON MARCH 11, 2022 AT 12:30 PM IN THE DEPARTMENTAL LIBRARY OF CHEMICAL ENGINEERING DR. B.R. AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR. MINUTES OF THE 27th MEETING OF BOS ARE AS FOLLOWS

The following members were present:

- | | |
|--|-------------|
| 1. Dr. Renu Gupta
Associate Professor & Head
Department of Chemical Engineering | Chairperson |
| 2. Dr. M.K. Jha
Professor (HAG)
Department of Chemical Engineering | Member |
| 3. Dr. Ajay Bansal
Professor
Department of Chemical Engineering | Member |
| 4. Dr. Sangeeta Garg
Associate Professor
Department of Chemical Engineering | Member |
| 5. Dr. Poonam Gera
Associate Professor
Department of Chemical Engineering | Member |
| 6. Dr. N.K. Srivastava
Associate Professor
Department of Chemical Engineering | Member |
| 7. Dr. S. Bajpai
Associate Professor
Department of Chemical Engineering | Member |
| 8. Dr. Jatinder Kumar Ratan
Associate Professor
Department of Chemical Engineering | Member |
| 9. Dr. Neetu Divya
Assistant Professor
Department of Chemical Engineering | Member |



- | | |
|---|------------------|
| 10. Dr. Shashikant Yadav
Assistant Professor
Department of Chemical Engineering | Member |
| 11. Dr. Deepak Sahu
Assistant Professor
Department of Chemical Engineering | Member |
| 12. Dr. Amit D Saran
Assistant Professor
Department of Chemical Engineering | Member |
| 13. Dr. Anurag Tiwari
Assistant Professor
Department of Chemical Engineering | Member |
| 14. Dr. D Giri Babu
Assistant Professor
Department of Chemical Engineering | Member |
| 15. Dr. Anjireddy Bhavanam
Assistant Professor
Department of Chemical Engineering | Member Secretary |

The Chairman, Board of Studies welcomed the members of the BOS. Thereafter, the following agenda items were taken up for discussion

Item No.	Particular No.
Item 27.1	Confirmation of Minutes of 26 th BOS meeting held on 2 nd March 2021
Item 27.2	Ratification of Chemical related branches vide letter no NITJ/CH/403
Item 27.3	Revision and finalization of Vision, Mission and Quality Policy of Department of Chemical Engineering.
Item 27.4	Revision of B.Tech 7 th and 8 th semester Scheme to accommodate the 6 months Internship policy of the institute.
Item 27.5	Revision in fee of M.Tech Self Sponsored Candidates at par with students admitted through CCMT.
Item 27.6	Revision of PhD admission Criteria for non GATE students.

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Item 27.1

Confirmation of Minutes of 26th BOS meeting held on 2nd March 2021
Members approved the Minutes of 26th BOS meeting held on 2nd March 2021

Item 27.2

Ratification of Chemical related branches vide letter no NITJ/CH/403
Members have approved the modifications done in Chemical related branches vide letter no NITJ/CH/403 dated 20/04/2021. Any other field other than list attached as and when required may be included. The finalized list is attached as Annexure I.

Item 27.3

Revision and finalization of Vision, Mission and Quality Policy of Department of Chemical Engineering
Members approved the revised Vision, Mission and Quality Policy of Department of Chemical Engineering. The finalized Vision, Mission and Quality Policy is attached as Annexure II.

Item 27.4

Revision of B.Tech 7th and 8th semester Scheme to accommodate the 6 months Internship policy of the institute.
Members deliberated and approved the revisions in B.Tech 7th and 8th semester Scheme to accommodate the 6 months Internship policy of the institute. The revised scheme is attached as per Annexure III.

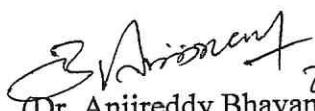
Item 27.5

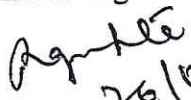
Revision in fee of M.Tech Self Sponsored Candidates at par with students admitted through CCMT.
The members deliberated on the poor enrollment of students in the M.Tech Chemical engineering programme for past couple of years and decided to revise the fee structure of M.Tech (Self Sponsored) students in chemical engineering at par with students admitted through CCMT.

Item 27.6

Revision of PhD admission Criteria for non GATE students.
Two candidates for PhD (Part-time) were not found eligible due to non availability of valid GATE score. In the view of poor enrollment of PhD candidates in Chemical Engineering, Members decided that the eligibility criteria of valid GATE Score for PhD admission in chemical engineering may be dispensed with.

Chairman BOS may kindly go through it and approve the same.


(Dr. Anjireddy Bhavanam) 26/04/22
Assistant Professor and Member Secretary
BOS, Chemical Engineering.


HD/CH 26/04/22
Cum Chairperson, BOS, Chemical Engineering.



डॉ बी आर अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालंधर
DR. B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY,
JALANDHAR

Department of Chemical Engineering

Ref. No./NTJ/CH/403

Date: 20/04/2021

Subject: Chemical related branches

Following new allied disciplines of Chemical Engineering have been identified in the list received from ICMT 21 document.

S.No	Name of the branch
1.	Renewable Energy
2.	Water Management
3.	Material Science and Metallurgical Engineering
4.	Materials and Metallurgical Engineering
5.	Oils - Oleochemicals and Surfactants Technology
6.	Material Science and Technology
7.	Metallurgy and Material Technology
8.	Metallurgy and Materials
9.	Petrochem Engineering
10.	Petrochem Technology
11.	Chemical and Electrochemical Engineering
12.	Rubber and Plastics Technology /Engineering
13.	Food Technology and Biochemical Engineering
14.	Food Engineering and Technology

It is proposed, that the above list may kindly be included in the exiting list of allied disciplines of Chemical engineering for the upcoming admissions in M.Tech Chemical Engineering programmes. The complete list for the same is available at Annexure I.

The Chairman Board of Studies may kindly, be requested to approve the same in anticipation of the ratification in subsequent BOS meeting. Further it may, kindly be circulated to all the Members of BOS for kind information please.

(Dr. Anjireddy Bhavanam)
Assistant Professor and Member Secretary
BOS, Chemical Engineering.

HD/CH
Chairperson, BOS, Chemical Engineering.

Allied disciplines of Chemical Engineering

S.No	Branch
1.	B.E/B.Tech in Biochemical Engineering
2.	B.E/B.Tech in Biotech Engineering
3.	B.E/B.Tech in Biotechnology
4.	B.E/B.Tech in Cement & Ceramic Technology
5.	B.E/B.Tech in Ceramic Engineering
6.	B.E/B.Tech in Chemical Engineering
7.	B.E/B.Tech in Electro-Chemical Engineering
8.	B.E/B.Tech in Energy Engineering
9.	B.E/B.Tech in Environmental Engineering
10.	B.E/B.Tech in Leather Technology
11.	B.E/B.Tech in Material Science & Engineering
12.	B.E/B.Tech in Petrochemical Engineering
13.	B.E/B.Tech in Polymer Science & Rubber Technology
14.	B.E/B.Tech in Polymer Science & Technology
15.	B.E/B.Tech in Polymer Technology
16.	B.E/B.Tech in Bioengineering
17.	B.E/B.Tech in Biological Sciences & Bioengineering
18.	B.E/B.Tech in Biosciences & Bioengineering
19.	B.E/B.Tech in Biotechnology & Biochemical Engineering
20.	B.E/B.Tech in Ceramic & Glass Technology
21.	B.E/B.Tech in Ceramic Engineering & Technology
22.	B.E/B.Tech in Ceramic Technology
23.	B.E/B.Tech in Chemical & Polymer Engineering
24.	B.E/B.Tech in Chemical Technology
25.	B.E/B.Tech in Dairy Technology
26.	B.E/B.Tech in Dyestuff Technology
27.	B.E/B.Tech in Environmental Science & Technology
28.	B.E/B.Tech in Environmental & Pollution Control
29.	B.E/B.Tech in Environmental Science & Engineering
30.	B.E/B.Tech in Fire Technology & Safety
31.	B.E/B.Tech in Food Engineering
32.	B.E/B.Tech in Food Processing & Preservation
33.	B.E/B.Tech in Food Process Engineering
34.	B.E/B.Tech in Industrial Biotechnology
35.	B.E/B.Tech in Oil and Paint Technology
36.	B.E/B.Tech in Oil Technology
37.	B.E/B.Tech in Paint Technology
38.	B.E/B.Tech in Petroleum Engineering
39.	B.E/B.Tech in Plastic & Polymer Engineering
40.	B.E/B.Tech in Plastic Engineering
41.	B.E/B.Tech in Pulp Technology
42.	B.E/B.Tech in Pulp & Paper Engineering
43.	B.E/B.Tech in Rubber Technology
44.	B.E/B.Tech in Safety & Fire Engineering

R. Anand *Rajesh*

45.	B.E/B.Tech in Polymer Engineering and Technology
46.	B.E/B.Tech in Sugar Technology
47.	B.E/B.Tech in Paper Technology
48.	B.E/B.Tech in Fuel Technology
49.	B.E/B.Tech in Chemical & Alcohol Technology
50.	B.E/B.Tech in Biochemical & Biotechnology
51.	B.E/B.Tech in Chemical and Bio Engineering
52.	B.E/B.Tech in Chemical Engineering (Plastic & Polymer)
53.	B.E/B.Tech in Energy Science and Engineering
54.	B.E/B.Tech in Food Processing Technology
55.	B.E/B.Tech in Food Technology
56.	B.E/B.Tech in Petrochemical and Petroleum Refinery Engineering
57.	B.E/B.Tech in Petrochemical Technology
58.	B.E/B.Tech in Petroleum Technology
59.	B.E/B.Tech in Plastic Technology
60.	B.E/B.Tech in Polymer Engineering
61.	B.E/B.Tech in Polymer Science & Chemical Technology
62.	B.E/B.Tech in Textile Technology
63.	B.E/B.Tech in Nanotechnology
64.	B.E/B.Tech in Advanced Petroleum Science and Technology
65.	B.E/B.Tech in Applied Petroleum Engineering (Chemical Engineering)
66.	B.E/B.Tech in Chemical Engineering -- (Computer Aided Process and Equipment Design)
67.	B.E/B.Tech in Chemical Engineering and Bio Technology
68.	B.E/B.Tech in Chemical Engineering (Environmental Management)
69.	B.E/B.Tech in Chemical Plant Design
70.	B.E/B.Tech in Clean Coal and Energy Technology
71.	B.E/B.Tech in Energy Science and Engineering
72.	B.E/B.Tech in Glass and Ceramic Engineering
73.	B.E/B.Tech in Industrial Pollution Control
74.	B.E/B.Tech in Materials Engineering
75.	B.E/B.Tech in Materials Science
76.	B.E/B.Tech in Metallurgical and Materials Engineering
77.	B.E/B.Tech in Petroleum Processes and Petrochemical Engineering
78.	B.E/B.Tech in Petroleum Studies
79.	B.E/B.Tech in Process Engineering and Design
80.	B.E/B.Tech in Process Metallurgy
81.	B.E/B.Tech in Chemical Engineering (Plant Design)
82.	B.E/B.Tech in Renewable Energy
83.	B.E/B.Tech in Water Management
84.	B.E/B.Tech in Material Science and Metallurgical Engineering
85.	B.E/B.Tech in Materials and Metallurgical Engineering
86.	B.E/B.Tech in Oils - Oleochemicals and Surfactants Technology
87.	B.E/B.Tech in Material Science and Technology
88.	B.E/B.Tech in Metallurgy and Material Technology
89.	B.E/B.Tech in Metallurgy and Materials
90.	B.E/B.Tech in Petrochem Engineering
91.	B.E/B.Tech in Petrochem Technology

B. Anthony *Director*

92.	B.E/B.Tech in Chemical and Electrochemical Engineering
93.	B.E/B.Tech in Rubber and Plastics Technology /Engineering
94.	B.E/B.Tech in Food Technology and Biochemical Engineering
95.	B.E/B.Tech in Food Engineering and Technology

Dr. Anand K. Gupta

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डा. बी आर अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जलंधर
Dr. B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR
रसायनिक अभियांत्रिकी विभाग
Department of Chemical Engineering

Vision, Mission & Quality Policy for the Department of Chemical Engineering are

Vision

The Department aspires to achieve excellence by providing best facilities in the entire spectrum of Chemical Engineering education, research and consultancy.

Mission

To become a pioneer Department of higher learning imparting state of the art education, training and research in the field of Chemical Engineering

Quality Policy

- 1 To develop analytical skills amongst students for problem solving in various areas of Chemical and allied fields.
- 2 To provide academic excellence through developing state-of-the-art laboratories.
- 3 To conduct fundamental and interdisciplinary research.
- 4 To inculcate moral and ethical values amongst students.
- 5 To encourage the students in contributing towards community development in the areas of energy, environment and other relevant fields.

B. Arora

R. K. K.



Annexure III

VII Semester (Regular and 6 Months Internship Students)

Code	Course Title	L	T	P	Contact hours	C
CHPC-401	Transport Phenomena	3	1	0	4	4
CHPC-403	Industrial Safety and Hazards Management	3	0	0	3	3
CHPC-405	Process Plant Design	3	0	0	3	3
CHPE-XXX	Department Elective- III	3	0	0	3	3
CHOE-XXX	Open Elective-II	3	0	0	3	3
CHPC-421	Process Control Lab	0	0	2	2	1
CHPC- 423	Chemical Engineering Computing Lab	0	0	2	2	1
CHCI-425	Summer Training	-	-	-	-	2
CHCI-400	Major Project (Phase -I)	0	0	4	4	0*
Total		15	1	8	24	20
Total Credits		12 PC	3 PE	3 OE	2 CI	20

* Major Project will be allotted in 7th Semester and evaluation at the end of 8th semester

VIII Semester (Regular Students)

Code	Course Title	L	T	P	Contact hours	C
CHPC-402	Modeling and Simulation	3	0	0	3	3
CHPE-XXX	Department Elective-IV	3	0	0	3	3
CHPE-XXX	Department Elective-V	3	0	0	3	3
CHPE-XXX	Department Elective-VI	3	0	0	3	3
CHOE-XXX	Open Elective-III	3	0	0	3	3
CHCI-424	Industrial Lecture	-	-	-	-	1*
CHCI-400	Major Project (Phase -II)	0	0	8	8	4
Total		15	0	8	23	20
Total Credits		3 PC	9 PE	3 OE	5 CI	20

* Minimum 4 industrial lecture will be organized by Department in final year of study. Grades to be awarded based upon Quiz test on the same day of lecture



VIII Semester (6 Months Internship Students)

Code	Course Title	L	T	P	Contact hours	C
CHPC-402*	Modeling and Simulation	3	0	0	3	3
CHPE-400	6 Months Internship	-	-	-	-	13
CHCI-400	Major Project (Phase -II)	0	0	8	8	4
Total		3	0	8	11	20
Total Credits		3PC	13 PE	0 OE	4 CI	20

* Any other courses of equivalent credits as recommended by the Institute Committee.

Total Credits (III -VIII)	90 PC	18PE	9 OE	16 CI	133 Credits
Total Credits (III -VIII) 6 Months Internship Students	90 PC	22PE	6 OE	15 CI	133 Credits
Total Credits (I-VIII)	180				

Note: In laboratory minimum 8 experiments will be conducted.

B. Anisury

P. K. S. Reddy