



Hindusthan College of Engineering and Technology

Approved by AICTE, New Delhi, Accredited with 'A' Grade by NAAC
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Coimbatore – 641 032

DEPARTMENT OF CHEMICAL ENGINEERING

MINUTES OF BOARD OF STUDIES MEETING

Name of the Department: **Chemical Engineering**

Date: 26.05.2023

The VIII Board of Studies meeting of regulation 2019 and regulation 2022 (for the students to be admitted from 2022-23 onwards) for the academic year 2023-2024 ODD Semester was conducted on 26.05.2023 at 02.30 p.m. in the Chemical Engg., HoD cabin (Online mode), Hindusthan College of Engineering and Technology.

Google Meet: <https://meet.google.com/ruh-dmpp-puc>

The following members were present:

S.No.	Name of the Member	Position
1.	Dr Scenuvasan M Professor & Head, Department of Chemical Engineering, HICET.	Chairman
2.	Dr Venkatesan S Professor and Head Department of Petrochemical Technology University College of Engineering Bharathidasan Institute of Technology (BIT) Campus Anna University, Tiruchirappalli	University Nominee
3.	Dr Prabhakaran D Professor, Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore	Academic Expert
4.	Dr Parthiban R Professor and Head, Department of Chemical Engineering, SSN College of Engineering, Rajiv Gandhi Salai (Old Mahabalipuram Road, SSN Nagar, Kalavakkam Chennai.	Academic Expert
5.	Dr Tamilarasan K Associate Professor, Department of Chemical Engineering, SRM Institute of Science and Technology, Kattankulathur, Chennai.	Academic Expert
6.	Dr Raja T Professor, Department of Chemical Engineering, Engineering Department, Salalah College of Technology, Salalah 211, Sultanate of Oman, Oman.	Academic Expert
7.	Mr Sivanesan K Asst. Manager, LSFM, (TNPL Cement),	Industry Expert

	Kagithapuram , Karur.	
8.	Dr Sarojini G Associate Professor Department of Chemical Engineering, HICET	Member
9.	Dr Balasubramani K Associate Professor Department of Chemical Engineering, HICET	Member
10.	Dr Vivek M S Assistant Professor Department of Chemical Engineering, HICET	Member
11.	Mr Nagul Dev S Assistant Professor Department of Chemical Engineering, HICET	Member
12.	Mr Gokul Jothi R Simgrosys Consulting Service Pvt.Ltd	Alumni
13.	Mr Harish Kumar M Student, Department of Chemical Engineering, HICET	Student Member
14.	Mr Ihlaz Ahmed Student, Department of Chemical Engineering, HICET	Student Member
15.	Mr Prabhakaran S Parent	Parent Member

All the other external members attended the meeting via online (Google Meet)

- The Chairman-BoS welcomed the University nominee, Subject Experts, special invitees and all the internal members for the Eighth Board of Studies meeting.
- Chairman presented the suggestions given by the experts and the action taken report of the previous BoS meeting held on 26.05.2023. Members of the BOS approved the same.
- The feedback and analysis required on curriculum by the stakeholders was presented by the Chairman-BoS.
- Chairman also gave an outline of the changes to be made in the curriculum given by the Department Advisory Committee (DAC) and emphasized the importance of curriculum to be in line with the industry needs.
- As recommended by DAC members, syllabus revision/Update for the odd semester under regulation 2019, regulation 2019 with amendment & regulation 2022 in Chemical Engineering Thermodynamics-I, Energy Technology, Process Equipment Design, Mechanical Operation, Chemical Process Calculation, Fluid Flow Operations, Water Treatment and Solid waste management were discussed in the meeting.
- The Chairman discussed the new vertical to be introduced under **Honors with Specialization** under regulation 2019 with amendment & regulation 2022 for the students admitted from the academic year 2021-2022 onwards.
- The Chairman discussed the curriculum and syllabus for the new courses under regulation 2019 (VII semester).

The following are the recommendations put forth by the BoS members,

1. In "21CH5301 – "Energy Technology" recommended 20% revisions and updates in Unit – I, III and IV (For the Batch admitted from 2021 – 2022 onwards).
2. In "21CH5251 – "Water Treatment and Solid waste management" recommended 20% revisions (For the Batch admitted from 2021 – 2022 onwards).
3. In "19CH7202- "Process Equipment Design", 25 % syllabus revision has been recommended. (For the Batch admitted from 2020 – 2021 onwards).
4. In "22CH3201" – "Chemical Process Calculations" recommended 20% revisions (For the Batch admitted from 2022 – 2023 onwards).
5. In "22CH3202 – "Fluid Flow Operations" 20 % revision has been recommended (For the Batch admitted from 2022 – 2023 onwards).
6. In "22CH3203 – "Chemical Engineering Thermodynamics-I" 20 % revision has been recommended (For the Batch admitted from 2022 – 2023 onwards).
7. In "22CH3251 – "Mechanical Operations" 20 % revision has been recommended (For the Batch admitted from 2022 – 2023 onwards).
8. Members of BoS recommended the inclusion of laboratory component under new vertical "Instrumental Chemical Analysis" for Honors with Specialization under regulation 2019 with amendment & regulation 2022 for the students admitted from the academic year 2021-2022 onwards.
9. The new courses introduced- Principles of Mass Spectrometry, Advanced Analytical Separation Techniques, Advanced Spectrometry: ICP-MS and LC-MS, Instruments for Morphology and Structural Characterization, Statistical Analysis and Data Processing Laboratory, Troubleshooting Analytical Methods and Instruments,(under regulation 2019 with amendment & regulation 2022 for the students admitted from the academic year 2021-2022 onwards.), Chemical Manufacturing Plant Operation, Chemical storage Plant operation, Chemical Effluent treatment plant operation and Analytical Instruments operation (under regulation 2019 for the students admitted from the academic year 2020-2021 onwards.)
10. In Regulation 2022 "Essence of Indian tradition knowledge has shifted to III sem for the batch admitted during 2022-23 onwards" as recommended and passed in the board of Science and Humanities and presented in Chemical Engineering BoS..
11. In Regulation 2022 "Indian Constitution in IV sem for the batch admitted during 2023-24 onwards as recommended and passed in Science and Humanities BoS and presented in Chemical Engineering BoS.

12. The additional credit course Industrial Automation (19VACH01) and Introduction to Chemical Engineering MATLAB (21VACH04) recommend as value added course.
13. Recommended the new course “21CH5302 “Petroleum Formation Evaluation” by replacing the existing course “Petroleum Technology”
14. Recommended the MOOC course under NPTEL platform: The Students can opt the course under Professional Elective –I “21CH5302 “Petroleum Formation Evaluation” through NPTEL platform (12 weeks).
15. Skill Development courses introduced for member’s approval.

Principles of Mass Spectrometry

16. Employability Enhance courses introduced for member’s approval.

19CH7901-Project work-PHASE-I, 19CH7307-Chemical Manufacturing Plant Operation, 19CH7308-Chemical Storage Plant operation, 19CH7309-Chemical Effluent treatment plant operation and 19CH7310-Analytical Instruments operation

General Recommendations:

1. Recommended more Industry Integration for Curriculum Enrichment.
2. Recommended to provide more opportunities towards skill development courses.

The following resolutions were made in the Board of Studies meeting,


For Regulations 2019:

- The curriculum and syllabus for the VII semester Elective Courses R2019 was passed by the Chemical Engineering board and permitted to move on Academic Council by the BoS members of Chemical Engineering.
- The curriculum and syllabi of 2019 with revision and updation for the V,VII semester Courses of B. Tech Chemical Engineering program was suggested to move on to Academic Council.

For Regulation 2022:

- The syllabus for Semester – III under regulation 2022 passed by the Board of Science and Humanities, Mechanical Engineering are permitted to move on Academic Council by the members of Chemical Engineering.
- Chairman has confirmed that, the suggestions given by the subject experts will be considered and the syllabus will be updated based on the suggestions given in this BoS meeting.

The meeting ended with thanks to the Chair at 4.30PM.



Chairman
(Board of studies)

Enclose:

1. Previous BoS Minutes- ATR
2. Updated Curriculum and Syllabi 2019
3. Updated Curriculum under R2022

Copy:

1. The Principal
2. Dean Academics
3. Controller of Examinations
4. All the members of BoS
5. File



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An Autonomous Institution, Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

Accredited by NBA (AERO, AUTO, CIVIL, CSE, ECE, EEE, IT, MECH, MECHATRONICS)

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DEPARTMENT OF CHEMICAL ENGINEERING

MINUTES OF BOARD OF STUDIES MEETING

Name of the Department: **Chemical Engineering**

Date: 24.11.2023

The IX Board of Studies meeting of regulation 2019, 2019 with amendment and regulation 2022 for the academic year 2023-2024 EVEN Semester was conducted on 24.11.2023 at 10.30 a.m. in the Principal Board room, Hindusthan College of Engineering and Technology.

The following members were present:

S.No.	Name of the Member	Position	Status
1.	Dr Seenuvasan M Professor & Head, Department of Chemical Engineering, HICET.	Chairman	Present
2.	Dr Venkatesan S Professor and Head Department of Petrochemical Technology University College of Engineering Bharathidasan Institute of Technology (BIT) Campus Anna University, Tiruchirappalli	University Nominee	Absent
3.	Dr Prabhakaran D Professor, Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore	Academic Expert	Present
4.	Dr Karunakaran.S Associate Professor, Department of Chemical Engineering, KPR Institute of Engineering & Technology Arasur, Coimbatore-641047.	Academic Expert	Present
5.	Dr Raja T Professor, Department of Chemical Engineering, Engineering Department, Salalah College of Technology, Salalah 211, Sultanate of Oman.	Academic Expert	Present

(Attended through online: Google Meet:
<https://meet.google.com/ysk-quosj-ibs>)

6.	Mr.Venkatesan Jayraman Product Engineering Manager-Acid Gas Products Schlumberger, Cameron India,III floor,TIDEL Park Coimbatore	Industry Expert	Present
7.	Mr Gokul Jothi R Engineer-CFD Simgrosys Consulting Service Pvt.Ltd	Alumini	Present
8.	Dr Balasubramani K Associate Professor Department of Chemical Engineering, HICET	Member	Present
9.	Dr Vivek M S Assistant Professor Department of Chemical Engineering, HICET	Member	Present
10.	Mr Nagul Dev S Assistant Professor Department of Chemical Engineering, HICET	Member	Present
11.	Mr.Dinesh Kumar.M Assistant Professor Department of Chemical Engineering, HICET	Member	Present
12.	Mr Harish Kumar M Student, Department of Chemical Engineering, HICET	Student Member	Present
13.	Mr Ihlas Ahmed Student, Department of Chemical Engineering, HICET	Student Member	Present
14.	Ms.Vaishali.B Student, Department of Chemical Engineering, HICET	Student Member	Present
15.	Mr Prabhakaran S Parent	Parent Member	Present

- The Chairman-BoS welcomed the Experts, special invitees and all the internal members for the IX Board of Studies meeting.
- Chairman presented the suggestions given by the experts and the action taken report of the previous BoS meeting held on 24.11.2023. Members of the BOS approved the same.
- The feedback and analysis required on curriculum by the stakeholders was presented by the Chairman-BoS.
- Chairman also gave an outline of the changes to be made in the curriculum given by the Department Advisory Committee (DAC) and emphasized the importance of curriculum to be in line with the industry needs.
- As recommended by DAC members, syllabus revision/Updation for the Even semester under regulation 2022 in Chemical Engineering Thermodynamics-II, Process Heat Transfer, Mass Transfer Operations-I, Chemical Reaction Engineering-I, Chemical Process Industries, and Heat Transfer lab were discussed in the meeting.
- The Chairman discussed the two new courses to be introduced under Honors with

Specialization (Advanced Analytical Separation Techniques, Advanced Spectrometry: ICP-MS and LC-MS) & Two courses Minor Degree (Fluid Flow Operations in Chemical Engineering, Fundamentals of Chemical Thermodynamics) under regulation 2019 with amendment for the students admitted from the academic year 2021-2022 onwards.

The following are the recommendations put forth by the BoS members,

1. In "22CH4201" – "Mass Transfer Operations-I" recommended 25% revisions (For the Batch admitted from 2022 – 2023 onwards).
2. In "22CH4202 – "Chemical Engineering Thermodynamics-II" 20 % revision has been recommended (For the Batch admitted from 2022 – 2023 onwards).
3. In "22CH4203 – "Process Heat Transfer" 20 % revision has been recommended (For the Batch admitted from 2022 – 2023 onwards).
4. In "22CH4204 – "Chemical Process Industries" 20 % revision has been recommended (For the Batch admitted from 2022 – 2023 onwards).
5. In "22CH4251 – "Chemical Reaction Engineering-I" 20 % revision has been recommended (For the Batch admitted from 2022 – 2023 onwards).
6. In "22CH4001 – "Heat Transfer lab" 20 % revision has been recommended (For the Batch admitted from 2022 – 2023 onwards).
7. The new courses introduced- Advanced Analytical Separation Techniques, Advanced Spectrometry: ICP-MS and LC-MS, Fluid Flow Operations in Chemical Engineering, Fundamentals of Chemical Thermodynamics (under regulation 2019 for the students admitted from the academic year 2020-2021 onwards.)
8. The additional credit course Bulk Solid handling for Chemical Engineers (21VACH02) and Introduction to Chemical Engineering MATLAB (21VACH04) recommend as value added course.
9. Skill Development courses introduced and recommended by the member's.
 - Advanced Analytical Separation Techniques
 - Advanced Spectrometry: ICP-MS and LC-MS
10. Employability Enhance course passed and recommended by the member's

19CH7901-Project work-PHASE-II.

General Recommendations:

1. Recommended more Industry Integration for Curriculum Enrichment.
2. Recommended to provide more opportunities towards skill development courses.
3. Recommended more awareness towards MOOC courses

The following resolutions were made in the Board of Studies meeting,

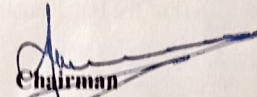
For Regulations 2019:

- The curriculum and syllabus for the VII semester Elective Courses R2019 was passed by the Chemical Engineering board and permitted to move on Academic Council by the BoS members of Chemical Engineering.

For Regulation 2022:

- The syllabus for Semester – IV under regulation 2022 passed by the Board of Science and Humanities, Electrical & Electronics Engineering are permitted to move on Academic Council by the members of Chemical Engineering.
- Chairman has confirmed that, the suggestions given by the subject experts will be considered and the syllabus will be updated based on the suggestions given in this BoS meeting.

The meeting ended with thanks to the Chair at 12.30 PM.


Chairman
(Board of studies)
Chairman - BoS
CHE - HICET

Enclose:

1. Previous BoS Minutes- ATR
2. Updated Curriculum and Syllabi under regulation 2019 with amendment & regulation 2022

Copy:

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