

Karpagam Academy of Higher Education

Department of Chemical Engineering

Board of Studies Meeting (2017 - 2018)

Minutes of the meeting of the board of studies of Department of Chemical Engineering (B.Tech) held on 21.06.2017 at 09:30 a.m in the Dean's Office, Faculty of Engineering at Karpagam Academy of Higher Education.

Members Present:

1. Dr.D.Lakshmanan, Dean, FoE, KU
2. Dr.S.Ravi, Professor and Head, FASH, KU
3. Dr.R.Thilagavathi, Associate Professor and Head (i/c), Department of Biotechnology, FoE, KU
4. Mr.A.Sivanantham, Associate Professor, Department of Mechanical Engineering, FoE, KU
5. Ms.Deepika.M, Assistant Professor, Department of Chemical Engineering, FoE, KU
6. Dr.M.Thirumarimurugan, Professor and Head, Department of Chemical Engineering, Coimbatore Institute of Technology
7. Dr.Raj Kumar Rajagopal, Managing Director, Cellzyme Biotech India Pvt. Ltd.,

The Chairperson welcomed the members of the board. The board carefully scrutinized the draft syllabus/syllabi and after detailed discussion the following resolutions were passed.

Agenda 1:

To Consider and approve the modification of existing curriculum and syllabus for B.Tech Chemical Engineering Programme.

Resolution 1:

Resolved to amend the suggestions / corrections and approve the curriculum and syllabus for B.Tech Chemical Engineering Program and it comes into effect from 2017-2018.(Approved Regulations and Syllabus given in Annexure -I).

ANNEXURE - I

The following corrections and suggestions may be included in B.Tech (Chemical Engineering) syllabus (2017-2018)

1. The Syllabus of 17BTCE104 – Basic Chemical Engineering course has to be simplified. Unit I and IV can be combined and unit V can be removed. Unit II – Unit Operations can be elaborated into three units (New Course).
2. Elements of Mechanical Engineering course was removed.
3. Titles of each unit were included in the following courses: 17BTCE304, 17BTCE305, 17BTCE403, 17BTCE501, 17BTCE502. The included unit titles were approved.
4. 17BTCE213-Inclusion of a new course Physical Chemistry Laboratory in Semester II was approved.
5. 17BTCE302 – The name and syllabus of the course “Physical and Organic chemistry” has been modified to a new course Organic chemistry and the modified contents were approved.
6. 17BTCE303 – Changing of course name from Principles of stoichiometry to process calculations was approved. Unit II was removed and unit V –“Combustion” was added and it was approved.
7. 17BTCE313 – Changing of course from Machining Practice Laboratory to a new course Mechanical Operations Laboratory was approved and it was suggested to shift to IV Semester.
8. Combining of courses, 17BTCE402 and 17BTCE502 to Chemical Engineering thermodynamics (New Course) was suggested and the syllabus was approved.
9. 17BTCE404 –Process Instrumentation course was removed and inclusion of a new course “Process Organic Synthesis” was approved.
10. 17BTCE405 – Changing of course name from material science and strength of materials to Material Science and Engineering was approved. The Syllabus was altered and it was approved.
11. 17BTCE412-The Laboratory name was suggested to be changed from Chemical Technology to Technical analysis laboratory. Inclusion of Cement analysis and coal analysis, FTR experiments was suggested.
12. 17BTCE413- Strength of Materials and Metallurgy Laboratory was suggested to move to III Semester.
13. 17BTCE451-Value added course (Process Design and Simulation using Aspen/Hysis Software) can be removed.”Production of commercially valuable compounds” was suggested.
14. The course Mass Transfer –I was shifted from 17BTCE503 TO 17BTCE502 was approved.
15. 17BTCE503 – Inclusion of a new course chemical process plant safety and hazard analysis was approved.

16.17BTCE504 – Inclusion of a new course “Instrumental methods of analysis” was approved.

17. Professional electives II, IV, V were shifted to semester VI, VII and VIII and were approved.

18.17BTCE512 – Computational Methods in Chemical Engineering 17BTCE512 was shifted to 17BTCE711. Inclusion of a new course – Process Equipment design and drawing – I was approved.

19.17BTCE602 – “Mass Transfer – II”, Re-arrangements of units and contents were suggested.

20.17BTCE603 – The course Petroleum Refining and Petrochemicals was removed.

21.17BTCE604 – The Title of the course was suggested to change from Economics for Engineers to “Process Economics for Chemical Engineers”

22.17BTCE552-Shifting of the value added course Pipe stress Analysis (Includes CEASER II) from 17BTCE751 was approved.

23.17BTCE612-The name of the course –Process equipment design and drawing was changed into Process Equipment Design and Drawing - II and was approved

24.17BTCE651 – Objective and the content of the Mini Project were suggested to be altered.

25.17BTCE702 – Change of the course name from “Process dynamics and control” to Process Dynamics control and Instrumentation was suggested and the syllabus was recommended to be altered as a new course and was shifted to 17BTCE603

26.17BTCE711 –CAD and simulation Laboratory was removed and inclusion of computational methods in Chemical Engineering Laboratory as a new course was approved.

27.17BTCE801- The Course – Elements of Transport Phenomena was shifted to 17BTCE702 and the name of the course was suggested to be kept as “Transport Phenomena”.

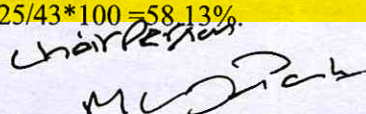
28. Intended outcomes were included for every courses and it was approved.

29. Professional electives were revised and the syllabus was altered accordingly.

30. Inclusion of Course Oriented Project in the semesters III, IV and V with one credit was approved.

The meeting came to an end with a vote of thanks by the chair.

The UG programme B.Tech. Chemical Engineering consists of 67 courses out of which 24 courses are in Science and Humanities and other allied engineering and Management courses. There is a syllabus change in 25 courses and hence the total change is $25/43 \times 100 = 58.13\%$.


Head of the Department
Department of Chemical Engineering
Faculty of Engineering
Karpagam Academy of Higher Education
Coimbatore – 641 021, Tamil Nadu, India.


REGISTRAR
Karpagam Academy of Higher Education
(Deemed to be University Under Section 3 of UGC Act 1956)
Pollachi Main Road, Eachanari Post,
Coimbatore - 641 021.