



DEPARTMENT OF CHEMICAL ENGINEERING

Action Taken Report on B. Tech Chemical Engineering Program R 13 Feedback Implemented in R16 introduced in the AY 2016 - 17

Action taken based on the suggestions from Students:

- Q1 Course Contents of B.Tech - Chemical Engineering Curriculum are in tune with the Program Outcomes
- Q2 Course Contents designed to enable skills and knowledge required for process Design, optimization, modeling, quality control, analysis and hazardous chemicals handling for several chemical and allied industries.
- Q3 Courses placed in the B.Tech - Chemical Engineering curriculum serves the needs of both Advanced and Average learners.
- Q4 Contact Hour Distribution among the various Course Components (LTP) is Satisfiable.
- Q5 Electives have enabled the passion to learn new technologies in emerging areas
- Q6 B.Tech - Chemical Engineering Curriculum providing opportunity towards Self learning to realize the expectations
- Q7 Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and appropriate in B.Tech - Chemical Engineering curriculum.
- Q8 No. of Laboratory sessions sufficient to improve the technical skills
- Q9 Sufficient courses available to improve technical competency and leadership skills among the students.

Analysis of Overall Feedback given by the Students on R 13

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	69.7	24.2	6.1	0	0	4.636	Excellent
Q2	81.8	12.1	6.1	0	0	4.757	Excellent
Q3	66.7	27.3	6.1	0	0	4.61	Excellent
Q4	69.7	24.2	6.1	0	0	4.636	Excellent
Q5	69.7	12.1	18.2	0	0	4.515	Excellent
Q6	69.7	24.2	6.1	0	0	4.636	Excellent
Q7	60.6	27.3	12.1	0	0	4.485	Excellent
Q8	75.8	21.2	3	0	0	4.728	Excellent
Q9	56.1	43.9	0	0	0	4.561	Excellent

Itemized responses given to the Suggestions of Students

Suggestion: The minor projects need to include in core subjects.

Action Taken: Minor project has been added in core subjects.

Suggestion: Add more hours for laboratory courses.

Action Taken: Increased number of hours for laboratory courses by integrating theory with lab.

Suggestion: Need to add more core subjects in department elective.

Action Taken: Several new departmental elective courses are added in Elective course.

Suggestion: Need to add industry based courses and offer add on courses on emerging technologies.

Action Taken: More core subjects have been added related to the Chemical process Industry.

Suggestion: Need practical experiences and hands-on.

Action Taken: In core courses minor projects are introduced to make the student's industry ready.

Action taken based on the suggestions from Alumni:

- Q1 B.Tech – Chemical Engineering Curriculum has paved a good foundation in understanding the basic engineering concepts
- Q2 Course Contents of Curriculum in tune with the Program Outcomes
- Q3 B.Tech – Chemical Engineering Curriculum imparted all the required Job Oriented Skills for its core and allied industries
- Q4 Professional and Open Electives of B.Tech – Chemical Engineering Curriculum served the technical advancements needed to serve in the industry
- Q5 The activities, experiments planned during laboratory sessions are sufficient in the curriculum
- Q6 Are you in a position to compete with your peers from other Universities
- Q7 Current Regulation Curriculum is superior than your studied Curriculum

Analysis of Overall Feedback given by the Alumni on R 13

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	31.6	52.6	5.3	10.5	0	4.053	Excellent
Q2	31.6	42.1	21.1	5.3	0	4.003	Excellent
Q3	31.6	21.1	15.8	15.8	15.8	3.372	Good
Q4	31.6	31.6	15.8	10.5	10.5	3.633	Very Good
Q5	21.1	26.3	10.5	26.3	15.8	3.106	Good
Q6	31.6	21.1	21.1	5.3	21.1	3.374	Good
Q7	42.1	26.3	10.5	5.3	15.8	3.736	Very Good

Itemized responses given to the suggestions of Alumni

Suggestion: Provide more practical knowledge related to the industry.

Action Taken: Core subjects have been added to increase practical knowledge related to the industry.

Suggestion: Focus on numerical ability of students

Action Taken: Inclusion of more advanced lab skill like MATLAB in different subject lab course.

Suggestion: Provide GATE coaching class

Action Taken: Conduction of GATE classes is introduced.

Action taken based on the suggestions from Faculty:

- Q1 Course Contents of B.Tech - Chemical Engineering Curriculum are in tune with the Program Outcomes.
- Q2 Course Contents of B.Tech - Chemical Engineering enhances the Problem Solving Skills and Core competencies
- Q3 Allocation of Credits to the Courses are appropriate.
- Q4 Contact Hour Distribution among the various Course Components (LTP) are appropriate.
- Q5 Electives cover the frontier technologies in the field of Chemical and allied industries
- Q6 Curriculum providing opportunity towards Self learning to realize the expectations
- Q7 Composition of Basic Sciences, Engineering, Humanities and Management Courses are appropriate.
- Q8 Laboratory sessions sufficient to improve the technical skills of students
- Q9 Sufficient courses available to improve the technical competency and leadership skills among the students.

Analysis of Overall Feedback given by the Faculty on R 13

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	75	8.3	16.7	0	0	4.583	Excellent
Q2	75	25	0	0	0	4.75	Excellent
Q3	58.3	41.7	0	0	0	4.583	Excellent
Q4	41.7	50	8.3	0	0	4.334	Excellent
Q5	58.3	41.7	0	0	0	4.583	Excellent
Q6	41.7	58.3	0	0	0	4.417	Excellent
Q7	41.7	58.3	0	0	0	4.417	Excellent
Q8	33.3	66.7	0	0	0	4.333	Excellent
Q9	41.7	50	8.3	0	0	4.334	Excellent

Itemized responses given to the suggestions of Faculty

Suggestion: Assignments have to be given such that students focus on additional skills and focus on skill oriented programs.

Action Taken: Inclusion of Technical seminars for more practical knowledge as modular courses.

Suggestion: Conduct special classes for backlog students

Action Taken: Conduction of special backlog classes for backlog student

Suggestion: Add some modular course for improvement of knowledge of student

Action Taken: Inclusion of Technical seminars for more practical knowledge as modular courses

Action taken based on the suggestions from Employers:

- Q1** Course Contents of B.Tech - Chemical Engineering Curriculum are in tune with the Program Outcomes.
- Q2** Course Contents designed to enable skills and knowledge required for Chemical and allied Industry Demands.
- Q3** Professional Electives and Open Elective are in-line with the technological advancements.
- Q4** Curriculum imparted all the required Skills for Chemical and relevant industry related Skills.
- Q5** Problem Solving and Soft Skills acquired by the students through the course contents will enable them to be placed in MNC

Analysis of Overall Feedback given by the Employers on R 13

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	37.5	62.5	0	0	0	4.375	Excellent
Q2	50	25	25	0	0	4.25	Excellent
Q3	62.5	25	12.5	0	0	4.5	Excellent
Q4	62.5	25	12.5	0	0	4.5	Excellent
Q5	75	25	0	0	0	4.75	Excellent

Itemized responses given to the suggestions of Employers

Suggestion: Get students to industry level

Action Taken: Industry internship for all student has ensured for enhance the hands-on experience in industry.

Suggestion: Current technologies need to be addressed

Action Taken: Core subjects have been modified according to new technology related to the industry

Action taken based on the suggestions from Parents:

- Q1** Course Contents of B.Tech - Chemical Engineering Curriculum are in tune with the Program Outcomes.
- Q2** B.Tech - Chemical Engineering Curriculum helped improving technical knowledge acquired by your son / daughter in our University.

- Q3** B.Tech - Chemical Engineering Curriculum helped improving Academic, Emotional Progression of your son / daughter in our University
- Q4** Proficiency of your son / daughters on par with the students from other Universities/Institutes
- Q5** Course Contents designed to enable skills and knowledge required for chemical industries.

Analysis of Overall Feedback given by the Parents on R 13

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	45	35	20	0	0	4.25	Excellent
Q2	45	30	20	5	0	4.15	Excellent
Q3	40	45	15	0	0	4.25	Excellent
Q4	45	40	15	0	0	4.3	Excellent
Q5	45	35	15	5	0	4.2	Excellent

Itemized responses given to the suggestions of Parents

Suggestion: The curriculum must improve the placements of the department

Action Taken: Industry internship and industrial training for students has been ensured the more placement in nearest industrial sector

Suggestion: Motivate the students for social activities

Action Taken: Constant monitoring and increasing awareness for social activities has been initiated for all students group.



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HEAD

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