



DEPARTMENT OF CHEMICAL ENGINEERING

**Action Taken Report on B. Tech Petroleum Engineering 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 – Petroleum Engineering Curriculum are in tune with the Program Outcomes
- Q2. Course Contents designed to enable skills and knowledge required for Reservoir, well testing, drilling and production
- Q3. Courses placed in the B. Tech – Petroleum 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 – Petroleum 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 satisfiable in B. Tech – Petroleum 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

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	60.9	35.9	1.6	0	1.6	4.545	Excellent
Q2	50	42.2	3.1	0	4.7	4.328	Excellent
Q3	34.4	45.3	17.2	0	3.1	4.079	Excellent
Q4	29.7	39.1	26.6	1.6	3.1	3.91	Very Good
Q5	23.4	50	25	0	1.6	3.936	Very Good
Q6	39.1	48.4	12.5	0	0	4.266	Excellent
Q7	26.6	56.3	15.6	0	1.6	4.066	Excellent
Q8	28.1	54.7	17.2	0	0	4.109	Excellent
Q9	23.4	53.1	18.8	0	3.1	3.889	Very Good

Itemized responses given to the Suggestions of Students

Suggestion: The minor project need to include in core petroleum 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: Some more core subjects added in the department elective like Reservoir stimulation.

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 oil and gas industry.

Suggestion: Need practical experiences and hands-on.

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

Suggestion: More time required for Campus recruitment training.

Action Taken: Introduced employability and skill-based courses in every semester to make the student's industry ready.

Suggestion: Technical stuff is good, but there must be improvement in the communication skills and management skills.

Action Taken: To get the interdisciplinary knowledge open electives courses are introduced in the field of management and humanities.

Action taken based on the suggestions from Faculty:

- Q1. Course Contents of B.Tech – Petroleum Engineering curriculum are in tune with the Program Outcomes
- Q2. Course Contents of B.Tech – Petroleum Engineering enhance the Problem-Solving Skills and Core competencies
- Q3. Allocation of Credits to the Courses are satisfiable
- Q4. Contact Hour Distribution among the various Course Components (LTP) are appropriate
- Q5. Electives cover the frontier technologies in the field of Petroleum oil and gas 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. Courses with laboratory sessions are 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

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	100	0	0	0	0	5	Excellent
Q2	0	100	0	0	0	4	Excellent
Q3	0	0	100	0	0	3	Good
Q4	0	100	0	0	0	4	Excellent
Q5	0	100	0	0	0	4	Excellent
Q6	100	0	0	0	0	5	Excellent
Q7	0	100	0	0	0	4	Excellent
Q8	0	0	100	0	0	3	Good
Q9	0	100	0	0	0	4	Excellent

Itemized responses given to the suggestions of Faculty

Suggestion: Need to add more subjects related to industry.

Action Taken: Improvement has been done by adding industry-oriented courses.

Suggestion: First year courses should be in line with the department courses

Action Taken: Core subject has been added from first year onwards.

Action taken based on the suggestions from Employers:

Q1. Course Contents of B.Tech – Petroleum Engineering Curriculum are in tune with the Program Outcomes

Q2. Course Contents designed to enable skills and knowledge required for oil and gas industries

Q3. Professional Electives and Open Elective are in-line with the technological advancements

Q4. Curriculum imparted all the required skills for Petroleum oil and gas industry

Q5. Problem Solving and Soft Skills acquired by the students through the curriculum will enable them to be placed in MNC.

Analysis of Overall Feedback given by the Employers on R-13

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	40	20	20	20	0	3.8	Very Good
Q2	40	0	60	0	0	3.8	Very Good
Q3	40	20	40	0	0	4	Excellent
Q4	0	80	20	0	0	3.8	Very Good
Q5	20	40	20	20	0	3.6	Very Good

Itemized responses given to the suggestions of Employers

Suggestion: Provide more field knowledge related to the industry

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

Action taken based on the suggestions from Parents:

1. Course Contents of B.Tech – Petroleum Engineering Curriculum are in tune with the Program Outcomes
2. B.Tech – Petroleum Engineering Curriculum helped improving technical knowledge acquired by your son / daughter in our University
3. B.Tech – Petroleum Engineering Curriculum helped improving Academic, Emotional Progression of your son / daughter in our University
4. Proficiency of your son / daughter is on par with the students from other Universities/Institutes
5. Course Curriculum is of the global standard and is in tune with the needs of oil and gas industries

Analysis of Overall Feedback given by the Parents on R 13

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	31.3	31.3	37.5	0	0	3.942	Very Good
Q2	50	31.3	18.8	0	0	4.316	Excellent
Q3	43.8	56.3	0	0	0	4.442	Excellent
Q4	37.5	43.8	18.8	0	0	4.191	Excellent
Q5	50	31.3	18.8	0	0	4.316	Excellent


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