



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

DEPARTMENT OF CHEMICAL ENGINEERING

Action Taken Report on B. Tech Petroleum Engineering R-16 Feedback Implemented in R-19 introduced in the AY 2019 -20

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-16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	44.7	38.2	15.1	0	2	4.236	Excellent
Q2	42.1	34.9	19.7	0	3.3	4.125	Excellent
Q3	30.9	44.1	22.4	1.3	1.3	4.02	Excellent
Q4	28.9	42.8	25.7	0	2.6	3.954	Very Good
Q5	36.2	39.5	18.4	1.3	4.6	4.014	Excellent
Q6	16.4	48.7	34.2	0.7	0	3.808	Very Good
Q7	32.2	48.7	17.8	0	1.3	4.105	Excellent
Q8	28.3	50.7	18.4	0.7	2	4.029	Excellent
Q9	30.3	39.5	23.7	1.3	5.3	3.885	Very Good

Itemized responses given to the Suggestions of Students

Suggestion: Add industry-based courses and offer add on courses on emerging technologies.

Action Taken: Added industry-based courses and offered add on courses on emerging technologies.

Suggestion: Offering Minor programme in the curriculum is innovative.

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

- 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-16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	63.6	36.4	0	0	0	4.636	Excellent
Q2	63.6	36.4	0	0	0	4.636	Excellent
Q3	36.4	45.5	18.2	0	0	4.186	Excellent
Q4	27.3	72.7	0	0	0	4.273	Excellent
Q5	45.5	45.5	9.1	0	0	4.368	Excellent
Q6	54.5	18.2	27.3	0	0	4.272	Excellent
Q7	63.6	36.4	0	0	0	4.636	Excellent
Q8	72.7	9.1	18.2	0	0	4.545	Excellent
Q9	36.4	45.5	18.2	0	0	4.186	Excellent

Itemized responses given to the suggestions of Faculty

Suggestion: Introduction of new technologies as part of curriculum.

Action Taken:Included Programming course like Python programming.

Suggestion: Add major industry related topics for increasing knowledge of students in oil and gas filed industry from first year onwards.

Action Taken:Added major subjects related to the oil and gas industry.

Action taken based on the suggestions from Employers:

- Q1.Course Contents ofB.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.

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

Action Taken: More petroleum subjects have been added in the department elective.
Suggestion: Need to add industry-based courses and offer add on courses on emerging technologies.

Action Taken: Included Programming Course like Python programming.

Action taken based on the suggestions from Alumni:

- Q1. B.Tech – Petroleum Engineering Curriculum has paved a good foundation in understanding the basic engineering concepts
- Q2. Course Contents of Curriculum are in tune with the Program Outcomes
- Q3. B.Tech – Petroleum Engineering curriculum imparted all the required Job Oriented Skills
- Q4. Professional and Open Electives of B.Tech – Petroleum 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. Ability to compete with your peers from other Universities
- Q7. Current Curriculum is superior to your studied Curriculum

Analysis of Overall Feedback given by the Alumni on R 16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	26.7	40	26.7	6.7	0	3.87	Very Good
Q2	20	26.7	40	13.3	0	3.534	Very Good
Q3	33.3	33.3	20	13.3	0	3.863	Very Good
Q4	20	46.7	20	13.3	0	3.734	Very Good
Q5	26.7	20	40	13.3	0	3.601	Very Good
Q6	20	40	40	0	0	3.8	Very Good
Q7	26.7	33.3	20	13.3	6.7	3.6	Very Good

Itemized responses given to the suggestions of Alumni

Suggestion: Practical Exposure has to be more concentrated.

Action Taken: More lab hours provided to students for the practical exposure.

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

Suggestion: It is better to provide internship facility to students from sixth semester onwards.

Action Taken: Internship has been provided from sixth semester onwards.



(HoD, Chemical Engineering)

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