



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

Established w/s 3 of UGC Act 1956

DEPARTMENT OF CHEMICAL ENGINEERING
Course :: B. Tech Petroleum Engineering
Minutes of CDMC Meeting

10-03-2021

The members of Curriculum Design and Monitoring Committee for B. Tech Petroleum Engineering program met on 10-03-2021 at VFF10, 'H' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. M. Ramesh Naidu (Professor & Head)	Chairman	
2.	Mr. Prathamesh S	Member	
3.	Mr. Shree Harsha	Member	
4.	Mr. Raghavendra	Member	

Agenda of the meeting

Analysis of the feedback collected from various stakeholders such as Alumni, Employers, Faculty, Parents and Students during the academic year 2020-21.

The following are the important points of analysis obtained from various stakeholders:

The feedback analysis reveals that laboratory sessions help to improve the student's technical skills and the courses placed in the curriculum supports both the advanced learners as well as slow learners.

Time to time meetings were conducted at the department level to leverage new and advanced techniques to combat the learning difficulties of the students by considering their Employer's feedback.

The feedback analysis reveals that laboratory sessions help to improve the student's technical skills and the courses placed in the curriculum supports both the advanced learners as well as slow learners. Detailed feedback analysis report is enclosed as Annexure-I

The outcomes of the meeting will be placed before the BoS for further discussion and recommendations.

Chairman, CDMC

Department of Chemical Engineering

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Annexure 1

Feedback from Alumni 2020-21 (Academic Year) - UG – B. Tech (PE)

The result derived in terms of percentage of students with common views, average score, and ratings are presented in Table 1.

Table 1: Analysis of feedback from Alumni 2020–21

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	16.7	41.7	16.7	8.3	16.7	3.337	Good
Q2	33.3	33.3	0	25	8.3	3.58	Very Good
Q3	8.3	58.3	16.7	0	16.7	3.415	Good
Q4	25	33.3	16.7	8.3	16.7	3.416	Good
Q5	25	25	16.7	16.7	16.7	3.252	Good
Q6	25	33.3	16.7	8.3	16.7	3.416	Good
Q7	50	16.7	8.3	8.3	16.7	3.75	Very Good
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						

The highest score of 3.75 was given to the parameter “Current Curriculum is superior to your studied Curriculum” followed by “B. Tech – Petroleum Engineering Curriculum has paved a good foundation in understanding the basic engineering concepts” with a score of 4.132 has been rated as Very Good

It is clearly visible from the table 1 that the parameters “Course Contents of Curriculum are in tune with the Program Outcomes and Professional and Open Electives of B. Tech – Petroleum Engineering Curriculum served the technical advancements needed to serve in the industry” obtained average scores of 3.58 and 3.75 respectively have been rated as Very Good.

The parameters “The activities, experiments planned during laboratory sessions are sufficient in the curriculum and Ability to compete with your peers from other Universities” obtained the scores of 3.75 and 3.337 respectively have been rated as Excellent and Very Good.

Average scores of 3.58 was obtained by the parameters “B. Tech – Petroleum Engineering curriculum imparted all the required Job Oriented Skills” is rated as Very Good.

Time to time meetings was conducted at the department level to leverage new and advanced techniques to combat the learning difficulties of the students.

The feedback analysis reveals that laboratory sessions help to improve the student’s technical skills and the courses placed in the curriculum supports both the advanced learners as well as slow learners.

Feedback from Employers 2020-21 (Academic Year) - UG – B. Tech (PE)

The result derived in terms of percentage of students with common views, average score, and ratings are presented in Table 2.

Table 2: Analysis of feedback from Employers 2020-21

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	50	50	0	0	0	4.5	Excellent
Q2	50	50	0	0	0	4.5	Excellent
Q3	33.3	50	16.7	0	0	4.166	Excellent
Q4	66.7	33.3	0	0	0	4.667	Excellent
Q5	16.7	83.3	0	0	0	4.167	Excellent

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 course contents will enable them to be placed in MNC

The highest score of 4.667 was given to the parameter “Course Contents of B. Tech – Petroleum Engineering Curriculum are in tune with the Program Outcomes” followed by “Course Contents designed to enable skills and knowledge required for oil and gas industries” with a score of 3.996 has been rated as Excellent.

It is clearly visible from the table 5 that the parameters “Professional Electives and Open Elective are in-line with the technological advancements, Curriculum imparted all the required skills for Petroleum oil and gas industry and Soft Skills acquired by the students through the

curriculum will enable them to be placed in MNC" obtained average scores 4.5 and 4.5 respectively have been rated as Excellent.

Time to time meetings were conducted at the department level to leverage new and advanced techniques to combat the learning difficulties of the students.

The feedback analysis reveals that the courses placed in the curriculum supports both the advanced learners as well as slow learners.

Feedback from Faculty 2020-21(Academic Year) - UG – B. Tech (PE)

The result derived in terms of percentage of students with common views, average score, and ratings is presented in Table 3.

Table 3: Analysis of feedback from faculty 2020-21

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	88.9	11.1	0	0	0	4.889	Excellent
Q2	100	0	0	0	0	5	Excellent
Q3	88.9	11.1	0	0	0	4.889	Excellent
Q4	88.9	11.1	0	0	0	4.889	Excellent
Q5	77.8	22.2	0	0	0	4.778	Excellent
Q6	88.9	11.1	0	0	0	4.889	Excellent
Q7	88.9	11.1	0	0	0	4.889	Excellent
Q8	77.8	22.2	0	0	0	4.778	Excellent
Q9	88.9	11.1	0	0	0	4.889	Excellent

Q1	Course Contents of B.Tech – Petroleum Engineering Curriculum are in tune with the Program Outcomes.
Q2	Course Contents of B.Tech – Petroleum 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 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	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.

The highest score of 5 was given to the parameters “Courses with laboratory sessions are sufficient to improve the technical skills of students and Sufficient courses available to improve the technical competency and leadership skills among the students” followed by “Course Contents of B. Tech – Petroleum Engineering enhance the Problem-Solving Skills and Core competencies, Electives cover the frontier technologies in the field of Petroleum oil and gas industries and Composition of Basic Sciences, Engineering, Humanities and Management Courses are appropriate” with a score of 4.889 has been rated as Excellent.

It is clearly visible from the table 5 that the parameters “Course Contents of B. Tech – Petroleum Engineering curriculum are in tune with the Program Outcomes, Allocation of Credits to the Courses are satisfiable and Contact Hour Distribution among the various Course Components (LTP) are appropriate” obtained average scores of 4.889 and 4.778 respectively have been rated as Excellent.

Average score of 4.778 was obtained by the parameters “Curriculum providing opportunity towards Self learning to realize the expectations” is rated as Excellent.

Time to time meetings were conducted at the department level to leverage new and advanced techniques to combat the learning difficulties of the students.

The feedback analysis reveals that laboratory sessions help to improve the student’s technical skills and the courses placed in the curriculum supports both the advanced learners as well as slow learners.

Feedback from Parents 2020-21 (Academic Year) - UG – B. Tech (PE)

The result derived in terms of percentage of students with common views, average score, and ratings are presented in Table 4.

Table 4: Analysis of feedback from Parents 2020-21

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	45	25	20	10	0	4.05	Excellent
Q2	45	25	20	10	0	4.05	Excellent
Q3	45	15	35	5	0	4	Excellent
Q4	55	20	15	10	0	4.2	Excellent
Q5	55	25	10	10	0	4.25	Excellent

- Q1 Course Contents of B.Tech – Petroleum Engineering Curriculum are in tune with the Program Outcomes.
- Q2 B.Tech – Petroleum Engineering Curriculum helped improving technical knowledge acquired by your son / daughter in our University
- Q3 B.Tech – Petroleum Engineering Curriculum helped improving Academic, Emotional Progression of your son / daughter in our University
- Q4 Proficiency of your son / daughter is on par with the students from other Universities/Institutes
- Q5 Course Curriculum is of the global standard and is in tune with the needs of oil and gas industries.

The highest score of 4.25 was given to the parameter “Course Curriculum is of the global standard and is in tune with the needs of oil and gas industries” followed by “B. Tech – Petroleum Engineering Curriculum helped improving technical knowledge acquired by your son / daughter in our University” with a score of 4.25 has been rated as Excellent.

It is clearly visible from the table 5 that the parameters “Course Contents of B. Tech – Petroleum Engineering Curriculum are in tune with the Program Outcomes and B. Tech – Petroleum Engineering Curriculum helped improving Academic, Emotional Progression of your son / daughter in our University” obtained average scores 4.05 and 4.05 have been respectively rated as Excellent.

Average scores of 4.0 was obtained by the parameters “Proficiency of your son / daughter is on par with the students from other Universities/Institutes” is rated as Excellent.

Time to time meetings were conducted at the department level to leverage new and advanced techniques to combat the learning difficulties of the students.

The feedback analysis reveals that laboratory sessions help to improve the student’s technical skills and the courses placed in the curriculum supports both the advanced learners as well as slow learners.

Feedback from Students 2020-21 (Academic Year) - UG – B. Tech (PE)

The result derived in terms of percentage of students with common views, average score, and ratings is presented in Table 5.

Table 5: Analysis of feedback from students 2020–21

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	58.7	17.4	15.2	6.5	2.2	4.239	Excellent
Q2	63	8.7	15.2	8.7	4.3	4.171	Excellent
Q3	56.5	19.6	13	8.7	2.2	4.195	Excellent
Q4	63	13	13	6.5	4.3	4.233	Excellent
Q5	69.6	15.2	6.5	6.5	2.2	4.435	Excellent

Q6	67.4	8.7	13	8.7	2.2	4.304	Excellent
Q7	73.9	13	6.5	4.3	2.2	4.518	Excellent
Q8	60.9	17.4	8.7	8.7	4.3	4.219	Excellent
Q9	71.7	10.9	8.7	6.5	2.2	4.434	Excellent

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 appropriate 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.

The highest score of 4.518 was given to the parameter “Electives have enabled the passion to learn new technologies in emerging areas” has been rated as Excellent.

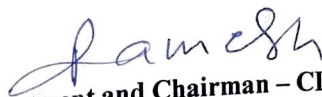
It is clearly visible from the table 5 that the parameters “Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable in B. Tech – Petroleum Engineering curriculum; Course Contents of B. Tech – Petroleum Engineering Curriculum are in tune with the Program Outcomes; Contact Hour Distribution among the various Course Components (LTP) is satisfiable” obtained average scores 4.171, 4.304 and 4.518 respectively have been rated as Excellent.

Average scores of 4.195 and 4.219 were obtained by the parameters “Courses placed in the B. Tech – Petroleum Engineering curriculum serves the needs of both Advanced and Average learners; Sufficient courses available to improve technical competency and leadership skills among the students and Course Contents designed to enable skills and knowledge required for Reservoir, well testing, drilling and production” are rated as Excellent.

The parameters “B. Tech – Petroleum Engineering Curriculum providing opportunity towards Self learning to realize the expectations and No. of Laboratory sessions sufficient to improve the technical skills” obtained the scores of 4.171 and 4.195 respectively have been rated as Excellent.

Time to time meetings was conducted at the department level to leverage new and advanced techniques to combat the learning difficulties of the students.

The feedback analysis reveals that laboratory sessions help to improve the student's technical skills and the courses placed in the curriculum supports both the advanced learners as well as slow learners.



Head of Department and Chairman – CDMC

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