



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

Est. 1983 by UGC Act 1956

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

05-03-2020

The members of Curriculum Design and Monitoring Committee for B. Tech Petroleum Engineering program met on 05-03-2020 at VFF11, '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. Nitesh	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 2019-20.

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

Annexure 1

Feedback from Alumni 2019-20 (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 2019–20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	31.3	56.3	6.3	6.3	0	4.132	Excellent
Q2	37.5	37.5	25	0	0	4.125	Excellent
Q3	18.8	25	43.8	12.5	0	3.504	Very Good
Q4	25	43.8	25	6.3	0	3.878	Very Good
Q5	25	56.3	18.8	0	0	4.066	Excellent
Q6	37.5	25	31.3	6.3	0	3.94	Very Good
Q7	43.8	37.5	18.8	0	0	4.254	Excellent

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 4.254 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 Excellent.

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 4.125 and 3.878 respectively have been rated as Excellent and 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 4.066 and 3.94 respectively have been rated as Excellent and Very Good.

Average scores of 3.504 was obtained by the parameters “B. Tech – Petroleum Engineering curriculum imparted all the required Job Oriented Skills” is rated as Good.

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 Employers 2019-20 (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 2019-20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	33.3	33.3	33.3	0	0	3.996	Very Good
Q2	33.3	33.3	33.3	0	0	3.996	Very Good
Q3	0	66.7	33.3	0	0	3.667	Very Good
Q4	0	66.7	33.3	0	0	3.667	Very Good
Q5	0	66.7	33.3	0	0	3.667	Very Good

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 3.996 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 Very Good.

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 3.667, 3.667 and 3.667 respectively have been rated as Very Good.

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 2019-20 (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 2019-20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	25	75	0	0	0	4.25	Excellent
Q2	50	50	0	0	0	4.5	Excellent
Q3	50	25	25	0	0	4.25	Excellent
Q4	0	100	0	0	0	4	Excellent
Q5	50	50	0	0	0	4.5	Excellent
Q6	25	25	50	0	0	3.75	Very Good
Q7	50	50	0	0	0	4.5	Excellent
Q8	75	25	0	0	0	4.75	Excellent
Q9	75	25	0	0	0	4.75	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 4.75 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 4.5 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 4.25 and 4 respectively have been rated as Excellent.

Average score of 3.75 was obtained by the parameters “Curriculum providing opportunity towards Self learning to realize the expectations” is rated as Very Good.

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 2019-20 (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 2019-20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	40	50	10	0	0	4.3	Excellent
Q2	60	30	10	0	0	4.5	Excellent
Q3	40	50	10	0	0	4.3	Excellent
Q4	20	50	30	0	0	3.9	Very Good
Q5	60	40	0	0	0	4.6	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 4.6 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 4.5 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 4.3 and 4.3 have been respectively rated as Excellent.

Average scores of 3.9 was obtained by the parameters “Proficiency of your son / daughter is on par with the students from other Universities/Institutes” is rated as Very Good.

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 2019-20 (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 2019–20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	30	43.3	26.7	0	0	4.033	Excellent
Q2	25	36.7	38.3	0	0	3.867	Very Good
Q3	21.7	51.7	26.7	0	0	3.954	Very Good
Q4	25	51.7	23.3	0	0	4.017	Excellent
Q5	40	38.3	21.7	0	0	4.183	Excellent
Q6	15	40	45	0	0	3.7	Very Good
Q7	30	46.7	23.3	0	0	4.067	Excellent
Q8	15	46.7	38.3	0	0	3.767	Very Good
Q9	25	40	35	0	0	3.9	Very Good

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 4.183 was given to the parameter “Electives have enabled the passion to learn new technologies in emerging areas” has been rated as Excellent.

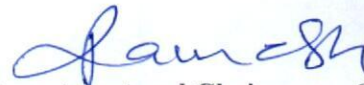
It is clearly visible from the table 5 that the parameters “Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable in B. Tech – Petroleum Engineering curriculum; Course Contents of B. Tech – Petroleum Engineering Curriculum are in tune with the Program Outcomes; Contact Hour Distribution among the various Course Components (LTP) is satisfiable” obtained average scores 4.067, 4.033 and 4.017 respectively have been rated as Excellent.

Average scores of 3.954; 3.9; and 3.867 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 Very Good.

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 3.7 and 3.767 respectively have been rated as Very Good.

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.



Head of Department and Chairman – CDMC

B. Tech Petroleum Engineering

Department of Chemical Engineering