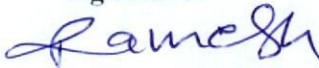
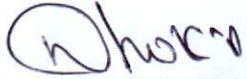
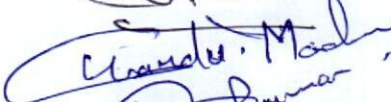





DEPARTMENT OF CHEMICAL ENGINEERING
Course :: B.Tech Petroleum Engineering
Minutes of CDMC Meeting

11-03-2016

The members of Curriculum Design and Monitoring Committee for B. Tech Petroleum Engineering program met on 11-03-2016 at VFF04, '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. P.Ashok Kumar | Member |  |
| 3. | Dr. Chandu S Madankar | Member |  |
| 4. | Mr. R.V. Ramana | Member |  |

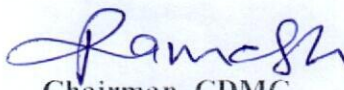
Agenda of the meeting

Analysis of the feedback collected from various stakeholders such as Employers, Faculty, Parents and Students during the academic year 2015-16.

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. Detailed feedback analysis report is enclosed as Annexure-I


Chairman, CDMC

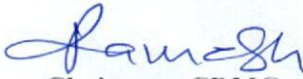
Chairman – CDMC has briefed the draft curriculum to the members. (R16 Curriculum)

Following are the changes suggested by members of CDMC in the revised curriculum course structure,

- (a) Majority of theory courses are integrated with laboratory to improve the practical knowledge.
- (b) Reduce the credits, as major institutions are offering below 200 credits, it will give the time to self-learning.
- (c) Offer courses related to life and employability skills.
- (d) Incorporate modular course to expose the students in industry prospective and suggested to invite industry person to offer it.
- (e) Introduce minor projects in all courses to enhance practical skills.

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

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


Chairman, CDMC

Annexure 1

Feedback from Employers 2015-16 (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 Employers 2015–16

| 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 |

| | |
|----|---|
| 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 was given to the parameter “Professional Electives and Open Elective are in-line with the technological advancements” has been rated as Excellent.

It is clearly visible from the table 1 that the parameters “Course Contents designed to enable skills and knowledge required for oil and gas industries and Curriculum imparted all the required skills for Petroleum oil and gas industry” obtained average scores 3.8 and 3.8 respectively have been rated as Very Good.

Average scores of 3.8 and 3.6 were obtained by the parameters “Course Contents of B. Tech – Petroleum Engineering Curriculum are in tune with the Program Outcomes and Problem Solving and Soft Skills acquired by the students through the curriculum will enable them to be placed in MNC” are 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 shows that the knowledge of students has been increased in the oil and gas industries.

Feedback from Faculty 2015-16 (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 2.

Table 2: Analysis of feedback from faculty 2015-16

| 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 |

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|-----------|---|
| 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 5 was given to the parameters “Course Contents of B. Tech – Petroleum Engineering curriculum are in tune with the Program Outcomes and Courses with laboratory sessions are sufficient to improve the technical skills of students”.

It is clearly visible from the table 1 that the parameters “Course Contents of B. Tech – Petroleum Engineering enhance the Problem-Solving Skills and Core competencies, Contact Hour Distribution among the various Course Components (LTP) are appropriate, 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.” obtained average scores 4 respectively and have been rated as Excellent.

Average score of 3 were obtained by the parameters “Allocation of Credits to the Courses are satisfiable and Courses with laboratory sessions are sufficient to improve the technical skills of students” are 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 to improve the technical skills of students in the oil and gas industry.

Feedback from Parents 2015-16 (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 3.

Table 3: Analysis of feedback from Parents 2015–16

| 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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| 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 4.442 was given to the parameter “B. Tech – Petroleum Engineering Curriculum helped improving Academic, Emotional Progression of your son / daughter in our University” followed by “B. Tech – Petroleum Engineering Curriculum helped improving technical knowledge acquired by your son / daughter in our University” with a score of 4.316 has been rated as Excellent.

It is clearly visible from the table 1 that the parameters “Course Curriculum is of the global standard and is in tune with the needs of oil and gas industries and Proficiency of your son / daughter is on par with the students from other Universities/Institutes” obtained average scores 4.316 and 4.191 respectively have been rated as Excellent.

Average scores of 3.942 was obtained by the parameters “Course Contents of B. Tech – Petroleum Engineering Curriculum are in tune with the Program Outcomes” 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.

Feedback from Students 2015-16 (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 4.

Table 4: Analysis of feedback from students 2015–16

| 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 | 25 | 50 | 18.8 | 0 | 6.3 | 3.877 | Very Good |
| Q4 | 12.5 | 56.3 | 18.8 | 0 | 12.5 | 3.566 | Very Good |
| Q5 | 18.8 | 68.8 | 12.5 | 0 | 0 | 4.067 | Excellent |
| Q6 | 50 | 31.3 | 18.8 | 0 | 0 | 4.316 | Excellent |
| Q7 | 25 | 56.3 | 12.5 | 0 | 6.3 | 3.94 | Very Good |
| Q8 | 31.3 | 56.3 | 12.5 | 0 | 0 | 4.192 | Excellent |
| Q9 | 18.8 | 75 | 0 | 0 | 0 | 3.94 | Very Good |

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| 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 4.5 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 Reservoir, well testing, drilling and production” with a score of 4.5 has been rated as Excellent.

It is clearly visible from the table 1 that the parameters “Electives have enabled the passion to learn new technologies in emerging areas and B. Tech – Petroleum Engineering Curriculum providing opportunity towards Self learning to realize the expectations” obtained average scores 4.067 and 4.316 respectively have been rated as Excellent.

The parameters “No. of Laboratory sessions sufficient to improve the technical skills and Sufficient courses available to improve technical competency and leadership skills among the students” obtained the scores of 4.192 and 3.94 respectively have been rated as Excellent which clearly reflects the benefit towards the student expectations.

Average scores of 3.877; 3.94 and 3.566 were obtained by the parameters “Courses placed in the B. Tech – Petroleum Engineering curriculum serves the needs of both Advanced and Average learners, Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable in B. Tech – Petroleum Engineering curriculum and Contact Hour Distribution among the various Course Components (LTP) is satisfiable” are 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.



Head of Department and Chairman – CDMC

B. Tech Petroleum Engineering

Department of Chemical Engineering