VIGNAN'S UNIVERSITY

DEPARTMENT OF CHEMICAL ENGINEERING

Minutes of CDMC Meeting- B.Tech Chemical Engineering

21-03-2017

The members of Curriculum Design and Monitoring Committee for B.Tech Chemical Engineering program gathered on 21-03-2017 in HoD Cabin, Chemical Engineering Department. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. Krishna Etika Professor & Head	Chairman	
2.	Mr. P. Ashok Kumar	Member	
3.	Mr. P. Bangariah	Member	
4.	Mr. B.Sumalatha	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 2016-17.

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 was 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 conveyed before the BoS for further discussion and recommendations.

Chairman, CDMC

VIGNAN'S UNIVERSITY

Annexure -I

Feedback from Alumni 2016-17 (Academic Year) - UG – B. Tech (CHEM)

Feedback has been received from the Alumni on the following seven parameters:

Q1	B.Tech – Chemical Engineering Curriculum has paved a good foundation in understanding the basic engineering concepts
Q2	Course Contents of Curriculum in tune with the Program Outcomes
Q3	B.Tech – Chemical Engineering Curriculum imparted all the required Job Oriented Skills for its core and allied industries
Q4	Professional and Open Electives of B.Tech – Chemical 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	Are you in a position to compete with your peers from other Universities
Q7	Current Regulation Curriculum is superior than your studied Curriculum

The categorization of rating is as follows: Strongly Agree (5), Agree (4), Moderate (3), Disagree (2) and Strongly Disagree (1).

Feedback Analysis is carried based on Average Satisfaction Rating. Rating categorization is carried based on Excellent (≥4); Very Good (≥3.5 &<4); Good (≥3 &<3.5); Moderate (>2 &<3) and Unsatisfactory (<2).

The result derived in terms of percentage of Alumni with common views, average score, and rating is presented in Table 1.

Table 1: Analysis of feedback from Alumni 2016–17

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	0	100	0	0	0	4	Excellent
Q2	0	50	50	0	0	3.5	Very Good
Q3	0	0	50	50	0	2.5	Moderate
Q4	0	50	0	50	0	3	Good
Q5	0	0	0	100	0	2	Moderate
Q6	50	0	50	0	0	4	Excellent
Q7	0	100	0	0	0	4	Excellent

Parameter 'B.Tech – Chemical Engineering Curriculum has paved a good foundation in understanding the basic engineering concepts' is rated Excellent with average rating as 4.

Parameter 'Course Contents of Curriculum in tune with the Program Outcomes' is rated Very Good with average rating as 3.5.

Parameter 'B.Tech – Chemical Engineering Curriculum imparted all the required Job Oriented Skills for its core and allied industries?' is rated moderate with average rating as 2.5.

Parameter 'Professional and Open Electives of B.Tech – Chemical Engineering Curriculum served the technical advancements needed to serve in the industry' is rated Good with average rating as 3.

Parameter 'The activities, experiments planned during laboratory sessions are sufficient in the curriculum' is rated Moderatew with average rating as 2.

Parameter 'Are you in a position to compete with your peers from other Universities' is rated Excellent with average rating as 4.

Parameter 'Current Regulation Curriculum is superior than your studied Curriculum' is rated Excellent with average rating as 4.

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 2016-17 (Academic Year) - UG – B. Tech (CHEM)

Feedback has been received from the Employer on the following five parameters:

Q1	Course Contents of B.Tech - Chemical Engineering Curriculum are in tune with the Program Outcomes.
Q2	Course Contents designed to enable skills and knowledge required for Chemical and allied Industry Demands.
Q3	Professional Electives and Open Elective are in-line with the technological advancements.
Q4	Curriculum imparted all the required Skills for Chemical and relevant industry related Skills.
Q5	Problem Solving and Soft Skills acquired by the students through the course contents will enable them to be placed in MNC

The categorization of rating is as follows: Strongly Agree (5), Agree (4), Moderate (3), Disagree (2) and Strongly Disagree (1).

Feedback Analysis is carried based on Average Satisfaction Rating. Rating categorization is carried based on Excellent (≥4); Very Good (≥3.5&<4); Good (≥3&<3.5); Moderate (>2 &<3) and Unsatisfactory (<2).

The result derived in terms of percentage of Employers with common views, average score, and rating is presented in Table 2.

Table 2: Analysis of feedback from Employers 2016–17

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	41.2	52.9	5.9	0	0	4.353	Excellent
Q2	29.4	52.9	17.6	0	0	4.114	Excellent
Q3	47.1	23.5	29.4	0	0	4.177	Excellent
Q4	23.5	29.4	47.1	0	0	3.764	Very Good
Q5	41.2	35.3	23.5	0	0	4.177	Excellent

Parameter 'Course Contents of B.Tech - Chemical Engineering Curriculum are in tune with the Program Outcomes.' is rated Excellent with average score as 4.353.

Parameter 'Course Contents designed to enable skills and knowledge required for Chemical and allied Industry Demands.' is rated Excellent with average score as 4.114.

Parameter 'Professional Electives and Open Elective are in-line with the technological advancements.' is rated Excellent with average score as 4.177.

Parameter 'Curriculum imparted all the required Skills for Chemical and relevant industry related Skills' is rated Very Good with average score as 3.764.

Parameter 'Problem Solving and Soft Skills acquired by the students through the course contents will enable them to be placed in MNC' is rated Excellent with average score as 4.177.

Time to time meetings was 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.

Feedback from Faculty 2016-17 (Academic Year) - UG – B. Tech (CHEM)

Feedback has been received from the Faculty on the following nine parameters: (2016-17)

Q1	Course Contents of B.Tech - Chemical Engineering Curriculum are in tune with the Program Outcomes.
Q2	Course Contents of B.Tech - Chemical Engineering enhances the Problem Solving Skills and Core competencies
Q3	Allocation of Credits to the Courses is appropriate.
Q4	Contact Hour Distribution among the various Course Components (LTP) is appropriate.
Q5	Electives cover the frontier technologies in the field of Chemical and allied 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 categorization of rating is as follows: Strongly Agree (5), Agree (4), Moderate (3), Disagree (2) and Strongly Disagree (1).

Feedback Analysis is carried based on Average Satisfaction Rating. Rating categorization is carried based on Excellent (≥4); Very Good (≥3.5 &<4); Good (≥3 &<3.5); Moderate (>2 &<3) and Unsatisfactory (<2).

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

Table 3: Analysis of feedback from Faculty 2016–17

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	58.3	8.3	33.3	0	0	4.246	Excellent
Q2	50	0	50	0	0	4	Excellent
Q3	58.3	8.3	33.3	0	0	4.246	Excellent
Q4	25	0	41.7	33.3	0	3.167	Good
Q5	25	0	50	25	0	3.25	Good
Q6	50	0	50	0	0	4	Excellent
Q7	25	0	50	25	0	3.25	Good
Q8	50	0	33.3	16.7	0	3.833	Very Good
Q9	50	16.7	16.7	16.7	0	4.003	Excellent

Parameter 'Course Contents of B.Tech - Chemical Engineering Curriculum are in tune with the Program Outcomes' is rated Excellent with average rating as 4.246.

Parameter 'Course Contents of B.Tech - Chemical Engineering enhances the Problem Solving Skills and Core competencies' is rated Excellent with average rating as 4.

Parameter 'Allocation of Credits to the Courses are appropriate.' is rated Excellent with average rating as 4.246.

Parameter 'Contact Hour Distribution among the various Course Components (LTP) are appropriate.' is rated Good with average rating as 3.167.

Parameter 'Electives cover the frontier technologies in the field of Chemical and allied industries' is rated Good with average rating as 3.25.

Parameter 'Curriculum providing opportunity towards Self learning to realize the expectations' is rated Excellent with average rating as 4.

Parameter 'Composition of Basic Sciences, Engineering, Humanities and Management Courses are appropriate.' is rated Good with average rating as 3.25.

Parameter 'laboratory sessions sufficient to improve the technical skills of students' is rated Very Good with average rating as 3.833.

Parameter 'Sufficient courses available to improve the technical competency and leadership skills among the students.' is rated Excellent with average rating as 4.003.

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

Feedback from Parents 2016-17 (Academic Year) - UG – B. Tech (CHEM)

Feedback has been received from the parents on the following five parameters:

Q1	Course Contents of B.Tech - Chemical Engineering Curriculum are in tune with the Program Outcomes.
Q2	B.Tech - Chemical Engineering Curriculum helped improving technical knowledge acquired by your son / daughter in our University.
Q3	B.Tech - Chemical Engineering Curriculum helped improving Academic, Emotional Progression of your son / daughter in our University
Q4	Proficiency of your son / daughters on par with the students from other Universities/Institutes
Q5	Course Contents designed to enable skills and knowledge required for chemical industries.

The categorization of rating is as follows: Strongly Agree (5), Agree (4), Moderate (3), Disagree (2) and Strongly Disagree (1).

Feedback Analysis is carried based on Average Satisfaction Rating. Rating categorization is carried based on Excellent (≥4); Very Good (≥3.5 &<4); Good (≥3 &<3.5); Moderate (>2 &<3) and Unsatisfactory (<2).

The result derived in terms of percentage of Parents with common views, average score, and rating is presented in Table 4.

Table 4: Analysis of feedback from Parents 2016–17

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	59.1	27.3	13.6	0	0	4.455	Excellent
Q2	59.1	31.8	9.1	0	0	4.5	Excellent
Q3	54.5	36.4	9.1	0	0	4.454	Excellent
Q4	59.1	27.3	13.6	0	0	4.455	Excellent
Q5	54.5	13.6	31.8	0	0	4.223	Excellent

Parameter 'Course Contents of B.Tech - Chemical Engineering Curriculum are in tune with the Program Outcomes.' is rated Excellent with average score as 4.455.

Parameter 'B.Tech - Chemical Engineering Curriculum helped improving technical knowledge acquired by your son / daughter in our University' is rated Excellent with average score as 4.5.

Parameter 'B.Tech - Chemical Engineering Curriculum helped improving Academic, Emotional Progression of your son / daughter in our University' is rated Excellent with average score as 4.454.

Parameter 'Proficiency of your son / daughters on par with the students from other Universities/Institutes' is rated Excellent with average score as 4.455.

Parameter 'Course Contents designed to enable skills and knowledge required for chemical industries.' is rated Excellent with average score as 4.223.

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 parent's feedback.

Feedback from Students 2016-17 (Academic Year) - UG – B. Tech (CHEM)

Feedback has been received from the students on the following nine parameters:

Q1	Course Contents of B.Tech - Chemical Engineering Curriculum are in tune with the Program Outcomes
Q2	Course Contents designed to enable skills and knowledge required for process Design, optimization, modeling, quality control, analysis and hazardous chemicals handling for several chemical and allied industries.
Q3	Courses placed in the B.Tech - Chemical 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 - Chemical 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 - Chemical 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 categorization of rating is as follows: Strongly Agree (5), Agree (4), Moderate (3), Disagree (2) and Strongly Disagree (1).

Feedback Analysis is carried based on Average Satisfaction Rating. Rating categorization is carried based on Excellent (≥4); Very Good (≥3.5&<4); Good (≥3&<3.5); Moderate (>2 &<3) and Unsatisfactory (<2).

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

Table 5: Analysis of feedback from students 2016–17

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	73.1	16.7	10.3	0	0	4.632	Excellent
Q2	73.1	21.8	5.1	0	0	4.68	Excellent
Q3	66.7	19.2	14.1	0	0	4.526	Excellent
Q4	75.6	19.2	5.1	0	0	4.701	Excellent
Q5	75.6	19.2	5.1	0	0	4.701	Excellent
Q6	62.8	24.4	12.8	0	0	4.5	Excellent
Q7	67.9	25.6	6.4	0	0	4.611	Excellent
Q8	74.4	21.8	3.8	0	0	4.706	Excellent
Q9	67.9	25.6	6.4	0	0	4.611	Excellent

VIGNAN'S UNIVERSITY

Parameter 'Course Contents designed to enable skills and knowledge required for process Design, optimization, modeling, quality control, analysis and hazardous chemicals handling for several chemical and allied industries.' is rated Excellent with average score as 4.638 and 4.68.

It is clearly visible from the table that the parameters "Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and appropriate in B.Tech – Chemical Engineering curriculum" and "No. of Laboratory sessions sufficient to improve the technical skills" obtained average scores 4.611 and 4.706respectively and has been rated as Excellent .

The parameters "Courses placed in the B.Tech – Chemical Engineering curriculum serves the needs of both Advanced and Average learners"; "B.Tech – Chemical Engineering Curriculum providing opportunity towards self learning to realize the expectations." And "Sufficient courses available to improve technical competency and leadership skills among the students" obtained the scores of 4.526, 4.5 and 4.611 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Average scores of 4.701 and 4.701 were obtained by the parameters "Contact Hour Distribution among the various Course Components (LTP) is satisfiable"; "Electives have enabled the passion to learn new technologies in emerging areas" are 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.

Chairman, CDMC