Department of Computer Science & Engineering.

Minutes of CDMC Meeting

15-05-2017

Curriculum Design and Monitoring Committee meeting for M.Tech CSE program is conducted on 15-05-2017 at VSF10, 'H' block, VFSTR University. The following members are attended the meeting.

S. No.	Members	Designation	
1.	Dr. Venkatesulu, Professor & Head	Chairman	
2.	Dr. K Hemantha Kumar, Professor	Member	
3.	Dr. M Nirupama Bhat, Assoc. Professor	Member	
4.	Mr. S.V Phani Kumar, Asst. Professor	Member	

Agenda of the meeting
1. Analysis of the feedback collected from various stakeholders such as Alumni, Employers, Faculty, Parents and Students during the academic year 2016-17.
2. Any point with the permission of Chair.

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

1. Cloud Computing and Internet of Things courses are needed under Professional Core
2. opportunity for the students to learn open elective courses
3. Provide opportunity to pursue Internship for M.Tech. students and also if possible, reduce the number of credits
4. Include CRT for M.Tech. students
5. As like R 16 B.Tech, integrate lab component with theory component.
6. Emphasis is more needed on Research Orientation.

Draft curriculum and feedback analysis are attached as annexure

HoD, CSE

2016-17 M. TECH CSE FEEDBACK ANALYSIS

Feedback from Alumni 2016-17 (Academic Year) - PG – M. Tech CSE

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

Q1. 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. Curriculum enriched the research abilities to pursue higher education in the thrust areas of Computer Science.

Q4. Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry

Q5. Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills.

Q6. Competing with your peers from other Universities.

Q7. Curriculum is superior to your studied Curriculum

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 ratings is presented in Table.

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	60	40	0	0	0	4.6	Excellent
Q2	20	80	0	0	0	4.2	Excellent
Q3	20	40	40	0	0	3.8	Very Good
Q4	0	60	20	20	0	3.4	Good
Q5	20	40	20	20	0	3.6	Very Good
Q6	20	60	20	0	0	4	Excellent
Q7	40	60	0	0	0	4.4	Excellent

The highest score of 4.6 was given to the parameter "Q1: Curriculum has paved a good foundation in understanding the basic engineering concepts" followed by "Q7: Curriculum is superior to your studied Curriculum" with a score of 4.4 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q2: Course Contents of Curriculum are in tune with the Program Outcomes" and "Q6: Competing with your peers from other Universities" with a scores of 4.2 and 4 respectively and has been rated as Excellent.

The parameter "Q3: Curriculum enriched the research abilities to pursue higher education in the thrust areas of Computer Science" and "Q5: Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills" with a scores of 3.8 and 3.6 respectively and has been rated as Very Good.

The parameter "Q4: Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry" obtained the score of 3.4 and has been rated as Good.

PG Employer Feedback Analysis

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

Q1.Course Contents of Curriculum are in tune with the Program Outcomes

Q2.Curriculum provides the scope for improving the required skills of IT and IT enabled Industry Demands

Q3.Professional and Open Electives are fulfilling the ever- evolving needs of IT industries

Q4.Tools and technologies described in the curriculum are enough to design and develop new applications of IT Industry.

Q5.Problem Solving and Soft Skills acquired by the students through the curriculum will enable them to be placed in IT Industry.

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)

Feedback from Employer 2016-17 (Academic Year) - PG – M. Tech (CSE)

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

Table: Analysis of feedback from Employer 2016 – 17

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	83.3	16.7	0	0	0	4.833	Excellent
Q2	33.3	66.7	0	0	0	4.333	Excellent
Q3	33.3	16.7	16.7	33.3	0	3.5	Very Good
Q4	50	16.7	16.7	16.7	0	4.003	Excellent
Q5	50	16.7	16.7	16.7	0	4.003	Excellent

The highest score of 4.883 was given to the parameter "Q1: Course Curriculum is of the global standard and is in tune with the needs of IT and IT enabled industries" followed by "Q2: Curriculum has the scope for improving the required skills of IT and IT enabled Industry Demands" with a score of 4.333 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q4: Tools and technologies described in the curriculum are sufficient to design and develop new applications of IT Industry", and "Q5: Problem Solving and Soft Skills acquired by the students through the curriculum will enable them to be placed in IT Industry" obtained a score of 4.003 and have been rated as Excellent.

The parameter "Q3: Professional and Open Electives are fulfilling the ever- evolving needs of IT industries" obtained average score 3.5 has been rated as very good respectively.

Feedback from faculty 2016-17 (Academic Year) - PG – M.Tech (CSE)

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

Table: Analysis of feedback from faculty 2016–17

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	52.6	36.8	5.3	0	5.3	4.314	Excellent
Q2	21.1	15.8	57.9	5.3	0	3.53	Very Good
Q3	36.8	57.9	0	0	5.3	4.209	Excellent
Q4	47.4	26.3	21.1	0	5.3	4.108	Excellent
Q5	47.4	47.4	0	0	5.3	4.319	Excellent
Q6	52.6	15.8	21.1	5.3	5.3	4.054	Excellent
Q7	63.2	26.3	5.3	0	5.3	4.424	Excellent
Q8	42.1	26.3	26.3	0	5.3	3.999	Very Good

| Q9 | 52.6 | 15.8 | 5.3 | 21.1 | 5.3 | 3.896 | Very Good |

The highest score of 4.424 was given to the parameter "Q7: Apply tools and technologies described in the curriculum are enough to design and develop new applications to serve the local needs" followed by "Q5: Electives enable the passion to learn new technologies in emerging areas" and "Q1: Course Contents of Curriculum are in tune with the Program Outcomes" with scores are respectively 4.319 and 4.314 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q3: Curriculum enable the research abilities of the students in thrust areas of Computer Science", Q4: Contact Hour Distribution among the various Course Components (LTP) is Justifiable" and " Q6: Curriculum is providing opportunity towards self-learning " obtained average scores respectively 4.209, 4.108 and 4.054 respectively and has been rated as Excellent.

The parameters "Q8: Courses with laboratory sessions are sufficient to improve the technical skills of students", Q9: Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students" and "Q2: Course Contents enhance the Problem-Solving Skills and Core competencies" obtained the scores of 3.999, 3.896 and 3.53 and has been rated as Very Good which clearly reflects the benefit towards the student expectations.

Feedback from Parents 2016-17 (Academic Year) – PG – M. Tech (CSE)

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

Table: Analysis of feedback from Parents 2016 – 17

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	60	40	0	0	0	4.6	Excellent
Q2	0	100	0	0	0	4	Excellent
Q3	20	20	60	0	0	3.6	Very Good
Q4	20	20	60	0	0	3.6	Very Good
Q5	20	20	20	0	0	4.4	Excellent

The highest score of 4.6 was given to the parameter "Q1: Curriculum enhances the intellectual aptitude of your ward" followed by "Q5: Course Curriculum is of the global standard and is in tune with the needs of IT and IT enabled industries" with a score of 4.4 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q2: Curriculum realizes the personality development and technical skilling of your ward" and "Q4: Competency of your ward is on par with the students from other Universities/Institutes"; and "Q3: Satisfaction about the Academic, Emotional Progression of your ward" obtained average score 4; 3.6; and 3.6 respectively and has been rated as Excellent and very good respectively.

Feedback from Students 2016-17 (Academic Year) - PG – M. Tech (CSE)

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

Table: Analysis of feedback from students 2016 – 17

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	63.6	31.8	4.5	0	0	4.587	Excellent
Q2	54.5	36.4	9.1	0	0	4.454	Excellent
Q3	45.5	20.5	29.5	2.3	2.3	4.049	Excellent
Q4	20.5	43.2	34.1	0	2.3	3.799	VeryGood
Q5	34.1	50	15.9	0	0	4.182	Excellent
Q6	40.9	36.4	20.5	2.3	0	4.162	Excellent
Q7	40.9	47.7	11.4	0	0	4.295	Excellent
Q8	34.1	50	13.6	0	2.3	4.136	Excellent
Q9	34.1	38.6	18.2	6.8	2.3	3.954	VeryGood

The highest score of 4.587 was given to the parameter "Q1: Course Contents of Curriculum are in tune with the Program Outcomes" followed by "Q2: Course Contents are designed to enable Problem Solving Skills and Core competencies" with a score of 4.454 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q7: Courses with laboratory sessions are sufficient to improve the technical skills"; "Q5: Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students"; "Q6: Curriculum is providing opportunity towards Self learning to realize the expectations"; and "Q8: Research Projects improved the technical competency and leadership skills";"Q3: Courses placed in the curriculum serves the needs of both advanced and slow learners"obtained the average scores are 4.295; 4.182; 4.162 and 4.136,and 4.049 respectively and has been rated as Excellent.

Average scores of 3.954; and 3.799 were obtained by the parameters ";"Q9: Tools and technologies described in the curriculum are enough to design and develop new applications"; and "Q4: Contact Hour Distribution among the various Course Components (LTP) is satisfiable".

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