







Department of Computer Science & Engineering.

Minutes of CDMC Meeting

19-03-2019

Curriculum Design and Monitoring Committee meeting for M.Tech CSE program is conducted on 19-03-2019 at VPSF 02, JC Bose block, VFSTR Deemed to be 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. | Dr. S.V Phani Kumar, Assoc. 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 AY 2018-19.
- 2) Any other point with the permission of Chair.

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

- ✓ Instead of offering fundamental courses, it is better to replace them with emerging courses
- ✓ Include Machine Learning in the curriculum
- ✓ Based on the growing importance of Deep Learning; better to include it in the Curriculum
- ✓ Reduce the number of courses and credits
- ✓ Please give some more options in Networks & Security

Detailed feedback analysis report is enclosed as Annexure.



HoD, CSE

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**VIGNAN'S**

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

2018 – 19 M.Tech CSE Feedback Analysis

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)

Feedback from Alumni 2018-19 (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 .

| Parameters | Rating 5 | Rating 4 | Rating 3 | Rating 2 | Rating 1 | Average Score | Rating |
|------------|----------|----------|----------|----------|----------|---------------|-----------|
| Q1 | 66.7 | 33.3 | 0 | 0 | 0 | 4.667 | Excellent |
| Q2 | 33.3 | 66.7 | 0 | 0 | 0 | 4.333 | Excellent |
| Q3 | 33.3 | 33.3 | 16.7 | 16.7 | 0 | 3.832 | Very Good |
| Q4 | 33.3 | 50 | 16.7 | 0 | 0 | 4.166 | Excellent |
| Q5 | 50 | 33.3 | 16.7 | 0 | 0 | 4.333 | Excellent |
| Q6 | 33.3 | 33.3 | 33.3 | 0 | 0 | 3.996 | Very Good |
| Q7 | 66.7 | 33.3 | 0 | 0 | 0 | 4.667 | Excellent |

The highest score of 4.667 was given to the parameters “Q1: Curriculum has paved a good foundation in understanding the basic engineering concepts”, and “Q7: Curriculum is superior to your studied Curriculum” has been rate as Excellent.

It is clearly visible from the table that the parameters “Q2: Course Contents of Curriculum are in tune with the Program Outcomes”, “Q5: Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills” and “Q4: Professional and Open Electives of Curriculum served

the technical advancements needed to serve in the industry” with a scores of 4.33 and 4.16 respectively and has been rated as Excellent

The parameters “Q6: Competing with your peers from other Universities”, and “Q3: Curriculum enriched the research abilities to pursue higher education in the thrust areas of Computer Science” obtained the scores of 3.99 and 3.83 respectively and has been rated as Very Good.

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 2018-19(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 2018-19

| Parameters | Rating 5 | Rating 4 | Rating 3 | Rating 2 | Rating 1 | Average Score | Rating |
|------------|-------------|-------------|-------------|-------------|-------------|------------------|-----------|
| Q1 | 80 | 20 | 0 | 0 | 0 | 4.8 | Excellent |
| Q2 | 40 | 60 | 0 | 0 | 0 | 4.4 | Excellent |
| Q3 | 40 | 20 | 40 | 0 | 0 | 4 | Excellent |
| Q4 | 40 | 40 | 0 | 20 | 0 | 4 | Excellent |
| Q5 | 60 | 20 | 0 | 20 | 0 | 4.2 | Excellent |

The highest score of 4.8 was given to the parameter “Q1: Course Contents of Curriculum are in tune with the Program Outcomes” followed by “Q2: Curriculum has the scope for improving the required skills of IT and IT enabled Industry Demands” with a score of 4.4 has been rated as Excellent.

It is clearly visible from the table that the two parameters "Q5: Problem Solving and Soft Skills acquired by the students through the curriculum will enable them to be placed in IT Industry" obtained average scores 4.2 and have been rated as Excellent.

The parameters "Q3: Professional and Open Electives are fulfilling the ever- evolving needs of IT industries" and "Q4: Tools and technologies described in the curriculum are enough to design and develop new applications of IT Industry" obtained average score of 4 has been rated as Excellent.

Time to time meetings were conducted at the department level to leverage new and advanced techniques to improve the problem solving skills and soft skills of the students which enable them to be placed in IT Industry.

The feedback analysis given by employer reveals that by fulfilling the ever- evolving needs of IT industries and improving the required skills of IT and IT enabled Industry Demands helps the student to get placements.

Feedback from faculty 2018-19 (Academic Year) - PG – M.Tech (CSE)

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

Table : Analysis of feedback from faculty 2018–19

| Parameters | Rating 5 | Rating 4 | Rating 3 | Rating 2 | Rating 1 | Average Score | Rating |
|------------|----------|----------|----------|----------|----------|---------------|-----------|
| Q1 | 86.4 | 13.6 | 0 | 0 | 0 | 4.864 | Excellent |
| Q2 | 45.5 | 9.1 | 27.3 | 18.2 | 0 | 3.822 | Very Good |
| Q3 | 40.9 | 59.1 | 0 | 0 | 0 | 4.409 | Excellent |
| Q4 | 77.3 | 13.6 | 9.1 | 0.1 | 0 | 4.682 | Excellent |
| Q5 | 90.9 | 4.5 | 4.5 | 0 | 0 | 4.86 | Excellent |
| Q6 | 90.9 | 9.1 | 0 | 0 | 0 | 4.909 | Excellent |
| Q7 | 68.2 | 27.3 | 4.5 | 0 | 0 | 4.637 | Excellent |
| Q8 | 90.9 | 9.1 | 0 | 0 | 0 | 4.909 | Excellent |
| Q9 | 86.4 | 4.5 | 0 | 9.1 | 0 | 4.682 | Excellent |

The highest score of 4.909 was given to the parameters "Q6: Curriculum is providing opportunity towards self-learning" and "Q8: Courses with laboratory sessions are sufficient to improve the technical skills of students", followed by Q1: Course Contents of Curriculum are in tune with the Program Outcomes", obtained a score of 4.864 and has rated as excellent.

It is clearly visible from the table that the parameters "Q5: Electives enable the passion to learn new technologies in emerging areas", and "Q9: Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students", "Q4: Contact Hour Distribution among

the various Course Components (LTP) is Justifiable", "Q7: Apply tools and technologies described in the curriculum are enough to design and develop new applications to serve the local needs"; and "Q3: Curriculum enables the research abilities of the students in thrust areas of Computer Science" with a scores of 4.86, 4.682; 4.682; 4.637; 4.409 and has been rated as Excellent.

The parameters "Q2: Course Contents enhance the Problem-Solving Skills and Core competencies" and obtained average scores 3.822 and has been rated as Very Good.

Feedback from Parents 2018-19 (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 2018 – 19

| Parameters | Rating 5 | Rating 4 | Rating 3 | Rating 2 | Rating 1 | Average Score | Rating |
|------------|----------|----------|----------|----------|----------|---------------|-----------|
| Q1 | 62.5 | 37.5 | 0 | 0 | 0 | 4.625 | Excellent |
| Q2 | 0 | 100 | 0 | 0 | 0 | 4 | Excellent |
| Q3 | 0 | 75 | 25 | 0 | 0 | 3.75 | Very Good |
| Q4 | 62.5 | 0 | 37.5 | 0 | 0 | 4.25 | Excellent |
| Q5 | 25 | 62.5 | 12.5 | 0 | 0 | 4.125 | Excellent |

The highest score of 4.625 was given to the parameter "Q1: Curriculum enhances the intellectual aptitude of your ward" followed by "Q4: Competency of your ward is on par with the students from other Universities/Institutes" with a score of 4.25 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q5: Course Curriculum is of the global standard and is in tune with the needs of IT and IT enabled industries" and "Q2: Curriculum realizes the personality development and technical skilling of your ward" obtained average score 4.125 and 4 respectively and has been rated as Excellent.

The parameter "Q3: Satisfaction about the Academic, Emotional Progression of your ward" obtained the score of 3.75 and has been rated as Very Good.

Feedback from Students 2018-19 (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 2018 – 19

| | Strongly Agree | Agree | Moderate | Disagree | Strongly Disagree | Avg. Rating | Grade |
|----|----------------|-------|----------|----------|-------------------|-------------|-----------|
| Q1 | 11.8 | 73.5 | 14.7 | 0 | 0 | 3.971 | Very Good |
| Q2 | 5.9 | 55.9 | 38.2 | 0 | 0 | 3.677 | Very Good |
| Q3 | 23.5 | 70.6 | 5.9 | 0 | 0 | 4.176 | Excellent |
| Q4 | 17.6 | 11.8 | 70.6 | 0 | 0 | 3.47 | Good |

| | | | | | | | |
|----|------|------|--------|---|---|-------|-----------|
| Q5 | 17.6 | 64.7 | 17.6 | 0 | 0 | 3.996 | Very Good |
| Q6 | 5.9 | 88.2 | 5.9.9 | 0 | 0 | 4 | Excellent |
| Q7 | 67.6 | 26.5 | 5.95.9 | 0 | 0 | 4.617 | Excellent |
| Q8 | 61.8 | 32.4 | 5.9.9 | 0 | 0 | 4.563 | Excellent |
| Q9 | 61.8 | 32.4 | 5.9 | 0 | 0 | 4.563 | Excellent |

The highest score of 4.617 was given to the parameter "Q7: Courses with laboratory sessions are sufficient to improve the technical skills", "Q9: Tools and technologies described in the curriculum are enough to design and develop new applications" followed by "Q8: Research Projects improved the technical competency and leadership skills", with a score of 4.563 have been rated with excellent.

It is clearly visible from the table that the parameters "Q3: Courses placed in the curriculum serves the needs of both advanced and slow learners", "Q6: Curriculum is providing opportunity towards Self learning to realize the expectations" obtained the average scores are 4.176; 4 respectively and has been rated as Excellent.

The parameters "Q5: Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students", "Q1: Course Contents of Curriculum are in tune with the Program Outcomes", and "Q2: Course Contents are designed to enable Problem Solving Skills and Core competencies" obtained the scores of 3.996, 3.971, and 3.677 respectively and has been rated as Very Good.

The parameter "Q4: Contact Hour Distribution among the various Course Components (LTP)" obtained a score of 3.47 and has been rated as good.



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