## Department of Computer Science & Engineering.

## Minutes of CDMC Meeting

19-04-2017

Curriculum Design and Monitoring Committee meeting for B.Tech CSE program is conducted on 19-04-2017 at VSF10, 'H' block, VFSTR University. The following members are attended the meeting.

| S. No. | Members | Designation | |
|---|---|---|---|
| 1. | Dr. Venkatesulu Professor & Head | Chairman | *(signature)* |
| 2. | Dr. K Hemantha Kumar, Professor | Member | *(signature)* |
| 3. | Mr. S.V.Rama Krishna, Asst. Professor | Member | *(signature)* |
| 4. | Mr. D S Bhupal Naik, Asst. Professor | Member | *(signature)* |

### 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. Inculcate thrust to carry out real time applications and suggested to improve the communication and presentation skills
2. Better to introduce C programming in two semesters and increase the credits score also in next regulation.
3. Increase number of hours for C and Java.
4. Courses like Cloud Computing, Big data analytics, machine learning, and the internet of things can be made as a core category
5. Collections frame work not included in the oops through java course Syllabus. It is better to include in the syllabus as those topics very Useful during problem solving in coding competitions
6. Suggested to introduce the distributed database in the place of Advanced databases would be more useful to meet the industry needs

*(signature)*

**HoD, CSE**
**HOD**
Dept. of Computer Science & Engineering
VFSTR Deemed to be University
VADLAMDI - 522 213
Guntur Dist., A.P. India

## B.Tech CSE Feedback Analysis AY 2016-17

**Feedback from Alumni 2016-17 (Academic Year) - UG – B. 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 | 34.8 | 34.8 | 4.3 | 26.1 | 0 | 3.783 | Very Good |
| Q2 | 47.8 | 26.1 | 0 | 26.1 | 0 | 3.956 | Very Good |
| Q3 | 52.2 | 30.4 | 0 | 17.4 | 0 | 4.174 | Excellent |
| Q4 | 30.4 | 47.8 | 4.3 | 17.4 | 0 | 3.909 | Very Good |
| Q5 | 56.5 | 13 | 4.3 | 26.1 | 0 | 3.996 | Very Good |
| Q6 | 26.1 | 34.8 | 4.3 | 34.8 | 0 | 3.522 | Very Good |
| Q7 | 52.2 | 30.4 | 0 | 17.4 | 0 | 4.174 | Excellent |

The highest score of 4.17 was given to the parameters "Q3: Curriculum imparted all the required Job Oriented Skills" and "Q7: Current Curriculum is superior to your studied Curriculum" and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q5: Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills", "Q2: Course Contents of Curriculum are in tune with the Program Outcomes" and "Q4: Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry" and obtained the scores of 3.996, 3.956 and 3.909 and has been rated as Very Good.

The parameters "Q1: Curriculum has paved a good foundation in understanding the basic engineering concepts" and "Q6: Ability to compete with your peers from other Universities" obtained the scores of 3.783 and 3.522 and has been rated as Very Good.

**Feedback from Employer 2016-17 (Academic Year) - UG – B. Tech (CSE)**

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

| Parameters | Rating 5 | Rating 4 | Rating 3 | Rating 2 | Rating 1 | Avg Score | Rating |
|---|---|---|---|---|---|---|---|
| Q1 | 59.3 | 11.1 | 7.4 | 22.2 | 0 | 4.075 | Excellent |
| Q2 | 40.7 | 25.9 | 18.5 | 14.8 | 0 | 3.922 | Very Good |
| Q3 | 59.3 | 25.9 | 7.4 | 7.4 | 0 | 4.371 | Excellent |
| Q4 | 25.9 | 37 | 37 | 0 | 0 | 3.885 | Very Good |
| Q5 | 44.4 | 25.9 | 7.4 | 22.2 | 0 | 3.922 | Very Good |

The highest score of 4.371 was given to the parameter "Q3: Professional and Open Electives are fulfilling the ever- evolving needs of IT industries" followed by "Q1: Course Contents of Curriculum are in tune with the Program Outcomes" with a score of 4.075and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q2: Curriculum provides the scope for improving the required skills of IT and IT enabled Industry Demands" and "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 3.922and 3.922respectively and has been rated as Very Good.

The parameter "Q4: Tools and technologies described in the curriculum are enough to design and develop new applications of IT Industry" obtained the scores of 3.885 and has been rated as Very Good which will be considered and benefit the students towards the IT Industry.

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

The result derived in terms of percentage of faculty 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 | 42.6 | 32.4 | 19.1 | 0 | 5.9 | 4.058 | Excellent |
| Q2 | 51.5 | 44.1 | 0 | 2.9 | 1.5 | 4.412 | Excellent |
| Q3 | 29.4 | 69.1 | 0 | 0 | 1.5 | 4.249 | Excellent |
| Q4 | 50 | 25 | 23.5 | 0 | 1.5 | 4.22 | Excellent |
| Q5 | 50 | 48.5 | 0 | 0 | 1.5 | 4.455 | Excellent |
| Q6 | 45.6 | 30.9 | 19.1 | 2.9 | 1.5 | 4.162 | Excellent |
| Q7 | 51.5 | 44.1 | 2.9 | 0 | 1.5 | 4.441 | Excellent |
| Q8 | 47.1 | 29.4 | 22.1 | 0 | 1.5 | 4.209 | Excellent |
| Q9 | 38.2 | 38.2 | 2.9 | 19.1 | 1.5 | 3.922 | Very Good |

The highest score of 4.455 was given to the parameter "Q5: Electives enable the passion to learn new technologies in emerging areas" followed by "Q7: Composition of Basic Sciences, Engineering, Humanities and Management Courses is satisfiable" and "Q2: Course Contents enhance the Problem-Solving Skills and Core competencies" with scores are respectively 4.441 and 4.412 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q3: Allocations of Credits to the Courses are satisfiable","Q4: Contact Hour Distribution among the various Course Components (LTP) is Justifiable", "Q8: Courses with laboratory sessions are sufficient to improve the technical skills of students", "Q6: Curriculum is providing opportunity towards Self learning"and "Q1: Course Contents of Curriculum are in tune with the Program Outcomes" obtained average scores respectively 4.249, 4.22, 4.209, 4.162 and 4.058 respectively and has been rated as Excellent.

The parameters "Q9: Inclusion of Minor/ Mini Projects improved the technical competency and leadership skills among the students" obtained the scores of 3.922 and has been rated as Very Good which clearly reflects the benefit towards the student expectations.

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

The result derived in terms of percentage of Parents 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 | 88.1 | 7.4 | 3.7 | 0 | 0.7 | 4.819 | Excellent |
| Q2 | 78.5 | 17 | 3 | 0.7 | 0.7 | 4.716 | Excellent |
| Q3 | 80.7 | 13.3 | 3 | 0 | 2.2 | 4.679 | Excellent |
| Q4 | 83 | 11.1 | 3.7 | 0 | 2.2 | 4.727 | Excellent |
| Q5 | 88.1 | 5.2 | 4.4 | 0.7 | 1.5 | 4.774 | Excellent |

The highest score of 4.819 was given to the parameter "Q1: Curriculum enhances the intellectual aptitude of your ward" and has been rated as excellent which clearly reflects the benefit towards the parent's expectations.

The parameter "Q5: Course Curriculum is of the global standard and is in tune with the needs of IT and IT enabled industries" obtained the score of 4.77 followed by "Q4: Competency of your ward is on par with the students from other Universities/Institutes" with a score of 4.72 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 "Q3: Satisfaction about the Academic, Emotional Progression of your ward" obtained average score 4.716 and 4.679 respectively and has been 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.

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

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

| Strongly Agree | Agree | Moderate | Disagree | Strongly Disagree | Avg. Rating | Grade |
|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| Q1 | 53.5 | 33.9 | 8 | 2.6 | 2.1 | 4.344 | Excellent |
| Q2 | 46 | 34.9 | 18.8 | 0.2 | 0.2 | 4.266 | Excellent |
| Q3 | 35.3 | 39.4 | 16.7 | 5.3 | 3.4 | 3.982 | Very Good |
| Q4 | 30.1 | 35.3 | 26.4 | 3.6 | 4.5 | 3.826 | Very Good |
| Q5 | 32.5 | 43.5 | 15.8 | 3.7 | 4.5 | 3.958 | Very Good |
| Q6 | 30.4 | 38.1 | 22.7 | 4.7 | 4.1 | 3.86 | Very Good |
| Q7 | 31.1 | 48.4 | 15 | 2.9 | 2.6 | 4.025 | Excellent |
| Q8 | 27.2 | 51.4 | 14.1 | 4.4 | 2.9 | 3.956 | Very Good |
| Q9 | 34.3 | 37.8 | 17 | 5 | 5.8 | 3.895 | Very Good |

The highest score of 4.344 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 4.266 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q7: Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable" and "Q3: Courses placed in the curriculum serves the needs of both advanced and slow learners" obtained average scores 4.025 and 3.982respectively and has been rated as Excellent.

The parameters "Q5: Electives have enabled the passion to learn new technologies in emerging areas" ;"Q8: Laboratory sessions are sufficient to improve the technical skills of students", and "Q9: Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students" obtained the scores of 3.958, 3.956,and 3.895 respectively and has been rated as Very Good which reflects the students passion to learn new technologies in emerging areas.

Average scores of 3.86 and 3.826were obtained by the parameters "Q6: Curriculum is providing opportunity towards Self learning to realize the expectations" and "Q4: Contact Hour Distribution among the various Course Components (LTP) is satisfiable".

Q. Vennakendu

HOD, CSE