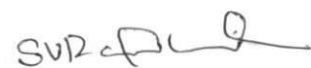## Department of Computer Science & Engineering.

Minutes of CDMC Meeting

16-04-2020

Curriculum Design and Monitoring Committee meeting for B.Tech CSE program is conducted on 16-04-2020 at VPSF02, 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	*(signature)*
2.	Dr. Hemantha Kumar K, Professor	Member	*(signature)*
3.	Dr. S.V.Phani Kumar, Associate Professor	Member	*(signature)*
4.	Mr. S.V Rama Krishna, Asst. Professor	Member	*(signature)*

Agenda of the meeting

    i. Analysis of the feedback collected from various stakeholders such as Alumni, Employers, Faculty, Parents and Students during the academic year 2019-20.

    2. Any point with the permission of Chair.

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

- ✓ Inclusion of Summer Internship after Second Year
- ✓ Inclusion of C++ in the Curriculum
- ✓ Suggested to include the Advanced Data Structures in the curriculum
- ✓ Include Python as a mandatory course.
- ✓ special coding classes are needed it improves the quality of the problem-solving skills

Detailed feedback analysis report is enclosed as Annexure.

(signature)

HoD, CSE

HOD
Dept. of Computer Science & Engineering
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2019-20 B.Tech CSE Feedback Analysis

Feedback has been received from the Alumni 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 imparted all the required Job Oriented Skills

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. Ability to compete with your peers from other Universities

Q7. Current Curriculum is superior to 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)

Feedback from Alumni 2019-20 (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	61.8	35.3	2.9	0	0	4.589	Excellent
Q2	57.4	25	17.6	0	0	4.398	Excellent
Q3	35.3	44.1	20.6	0	0	4.147	Excellent
Q4	26.5	39.7	33.8	0	0	3.927	Very Good
Q5	36.8	45.6	17.6	0	0	4.192	Excellent
Q6	26.5	70.6	2.9	0	0	4.236	Excellent

| Q7 | 67.6 | 32.4 | 0 | 0 | 0 | 4.676 | Excellent |

The highest score of 4.676 was given to the parameter "Q7: Current Curriculum is superior to your studied Curriculum" followed by "Q1: Curriculum has paved a good foundation in understanding the basic engineering concepts" with a score of 4.589 and has been rated as Excellent.

The parameters "Q2: Course Contents of Curriculum are in tune with the Program Outcomes", "Q6: Ability to compete with your peers from other Universities", "Q5: Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills" and "Q3: Curriculum imparted all the required Job Oriented Skills" obtained the average scores of 4.398, 4.236, 4.192 and 4.147respectively and has been rated as Excellent.

It is clearly visible from the table that the parameter "Q4: Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry" obtained average score of 3.927 and has been rated as Very Good.

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 2019-20 (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 .

Table : Analysis of feedback from Employer 2019-20

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Avg Score	Rating
Q1	90	10	0	0	0	4.9	Excellent
Q2	65	35	0	0	0	4.65	Excellent
Q3	75	25	0	0	0	4.75	Excellent
Q4	45	50	5	0	0	4.4	Excellent
Q5	90	10	0	0	0	4.9	Excellent

The highest score of 4.9 was given to the parameters "Q1: Course Contents of Curriculum are in tune with the Program Outcomes" and "Q5: Problem Solving and Soft Skills acquired by the students through the curriculum will enable them to be placed in IT Industry" and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q3: Professional and Open Electives are fulfilling the ever- evolving needs of IT industries" and "Q2: Curriculum provides the scope for improving the required skills of IT and IT enabled Industry Demands" obtained average scores 4.75and 4.65respectively and has been rated as Excellent.

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 4.4 and has been rated as Excellent 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 Problem Solving and Soft Skills acquired by the students through the curriculum will enable them to be placed in IT Industry.

Feedback from faculty 2019-20 (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.

Table : Analysis of feedback from faculty 2019–20

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	64.8	18.7	13.2	0	3.3	4.417	Excellent

Q2	72.5	27.5	0	0	0	4.725	**Excellent**
Q3	50.5	49.5	0	0	0	4.505	**Excellent**
Q4	60.4	29.7	9.9	0	0	4.505	**Excellent**
Q5	47.3	52.7	0	0	0	4.473	**Excellent**
Q6	54.9	23.1	22	0	0	4.329	**Excellent**
Q7	72.5	27.5	0	0	0	4.725	**Excellent**
Q8	50.5	27.5	22	0	0	4.285	**Excellent**
Q9	48.4	26.4	0	25.3	0	3.982	**Very Good**

The highest score of 4.725 was given to the parameter "Q2: Course Contents enhance the Problem-Solving Skills and Core competencies" and ", "Q7: Composition of Basic Sciences, Engineering, Humanities and Management Courses is satisfiable" followed by "Q4: Contact Hour Distribution among the various Course Components (LTP) is Justifiable", "Q3: Allocations of Credits to the Courses are satisfiable" with a scores are of 4.5 and 4.5 and has been 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", Q1: Course Contents of Curriculum are in tune with the Program Outcomes', "Q6: Curriculum is providing opportunity towards Self learning" and "Q8: Courses with laboratory sessions are sufficient to improve the technical skills of students" with a scores of 4.473, 4.417, 4.329, 4.285 respectively and rated as Excellent.

The parameter "Q9: Inclusion of Minor/ Mini Projects improved the technical competency and leadership skills among the students" with a score of 3.982 and rated as Very Good.

Time to time meetings was 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 faculty technical skills and the courses placed in the curriculum supports.

Feedback from Parents 2019-20 (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.

Table : Analysis of feedback from Parents 2019– 20

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	89.5	6.5	3.3	0	0.7	4.841	Excellent
Q2	83	13.1	2.6	0.7	0.7	4.773	Excellent
Q3	82.4	13.1	2.6	0	2	4.742	Excellent
Q4	87.6	7.2	3.3	0	2	4.787	Excellent
Q5	0.2	3.9	3.9	0.7	1.3	4.81	Excellent

The highest score of 4.84 was given to the parameter "Q1: Curriculum enhances the intellectual aptitude of your ward" and then 4.81 was given to the parameter "Q5: Course Curriculum is of the global standard and is in tune with the needs of IT and IT enabled industries" followed by "Q4: Competency of your ward is on par with the students from other Universities/Institutes" with a score of 4.787 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" obtained average score 4.773 respectively and has been rated as Excellent.

The parameter "Q3: Satisfaction about the Academic, Emotional Progression of your ward" obtained the score of 4.742 and has been rated as excellent which clearly reflects the benefit towards the parent's expectations.

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 2019 - 20 (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 .

Table : Analysis of feedback from students 2019 – 20

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	47.2	37.9	10.8	2.3	1.8	4.264	Excellent
Q2	42.4	38.8	16.2	1.8	0.8	4.202	Excellent
Q3	35.4	41.5	16.6	3.7	2.7	4.029	Excellent
Q4	32.7	36.8	23.1	3.6	3.8	3.91	Very Good
Q5	36.3	42.4	15.3	2.9	3.2	4.06	Excellent
Q6	38.2	36.8	18.6	3.6	2.9	4.041	Excellent

Q7	35.8	45.7	13.8	1.9	2.8	4.098	**Excellent**
Q8	32.6	45.4	15	4.1	2.9	4.007	**Excellent**
Q9	36.5	38.9	16.9	4.2	3.4	4.006	**Excellent**

The highest score of 4.264 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 4.202; "Q7: Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable" obtained the average score of 4.098 and "Q5: Electives have enabled the passion to learn new technologies in emerging areas" with a average score of 4.06 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q6: Curriculum is providing opportunity towards Self learning to realize the expectations"; "Q3: Courses placed in the curriculum serves the needs of both advanced and slow learners"; "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"with an average scores of 4.041, 4.029, 4.007 and 4.006 respectively and also rated as Excellent.

Average scores of 3.91 were obtained by the parameter "Q4: Contact Hour Distribution among the various Course Components (LTP) is satisfiable" and has been rated as Very Good.

HOD, CSE