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Department of
Information Technology

Vadlamudi – 522 213, Guntur Dt. AP, India

Minutes of CDMC Meeting

17-04-2019

The members of Curriculum Design and Monitoring Committee for B.Tech. Information Technology programme met on 17-04-2019 at ASF06, 'U' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
51.	Dr.K.V.Kirshna Kishore Professor & Head	Chairman	
2.	Dr.N.Veeranjanayulu	Member	
3.	Mr. B. Premamayudu	Member	
4.	Mr.P.Subbarao	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 2018-19.

2. Any point with the permission of Chair.

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

1. It is better to introduce field projects

2. It is better to reduce the number of courses in a semester and ask the students to design and implement various types of projects to get hands-on practice

3. Include Artificial Intelligence and Neural Networks as professional electives

4. It is better to introduce the fundamental concepts of Data Science and Data Analytics courses in the curriculum to get the basic information about cutting edge technologies

5. Introduced Python programming as a core course in the 2nd year II Semester

6. For the Subject Scripting language, the syllabus in the curriculum is very huge and it covers advanced topics. For students, if basics are not covered, the advanced topics are very

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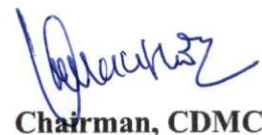# Information Technology

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difficult to understand. And to complete the syllabus it requires more classes than provided in the curriculum.

7. Students need to work on communication and presentation skills
8. Need to organize technical activities on emerging technologies apart from the syllabus
9. Students need to some real-time applications related to security
10. Need to get real-time exposure and design & solve the local problems

Detailed feedback analysis report is enclosed as Annexure-I

The outcomes of the meeting will be placed before the BoS for further discussion and recommendations.

Chairman, CDMC

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Annexure 1

Feedback from Students 2018-19 (Academic Year) - UG – B. Tech (IT)

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

Table 1: Analysis of feedback from students 2018 – 19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	42.4	39.6	11.1	4.1	2.8	4.147	Excellent
Q2	40.8	36.4	12.3	5.7	4.7	4.026	Excellent
Q3	25.9	44.3	19	6.6	4.1	3.81	Very Good
Q4	25.6	35.1	27.5	4.7	7	3.673	Very Good
Q5	33.2	38.3	18.4	4.4	5.7	3.889	Very Good
Q6	20.9	38.3	29.4	5.7	5.7	3.63	Very Good
Q7	30.4	46.8	15.8	3.5	3.5	3.971	Very Good
Q8	27.5	51.3	11.7	5.4	4.1	3.927	Very Good
Q9	32.6	38	16.1	5.7	7.6	3.823	Very Good

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

Q2. Course Contents are designed to enable Problem Solving Skills and Core competencies

Q3. Courses placed in the curriculum serves the needs of both advanced and slow 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. Curriculum is providing opportunity towards Self learning to realize the expectations

Q7. Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable

Q8. Laboratory sessions are sufficient to improve the technical skills of students

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Q9.Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students

The highest score of 4.14 was given to the parameter "Course Contents of Curriculum are in tune with the Program Outcomes" followed by "Course Contents are designed to enable Problem Solving Skills and Core competencies" with a score of 4.02 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable" and "Laboratory sessions are sufficient to improve the technical skills of students" obtained average scores 3.97 and 3.92 respectively and has been rated as Very Good.

The parameters "Electives have enabled the passion to learn new technologies in emerging areas" and "Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students" obtained the scores of 3.88 and 3.82 respectively and has been rated as Very Good which clearly reflects the benefit towards the student expectations.

Average scores of 3.81, 3.67 and 3.63 were obtained by the parameters "Courses placed in the curriculum serves the needs of both advanced and slow learners", "Contact Hour Distribution among the various Course Components (LTP) is satisfiable" and "Curriculum is providing opportunity towards Self learning to realize the 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.

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.

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Feedback from Employers 2018-19 (Academic Year) - UG – B. Tech (IT)

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

Table 2: Analysis of feedback from employers 2018 – 19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	61.9	23.8	9.5	4.8	0	4.428	Excellent
Q2	47.6	28.6	19	4.8	0	4.19	Excellent
Q3	66.7	14.3	9.5	4.8	4.8	4.336	Excellent
Q4	33.3	42.9	9.5	14.3	0	3.952	Very Good
Q5	52.4	28.6	14.3	0	4.8	4.241	Excellent

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 highest score of 4.428 was given to the parameter "Course Contents of Curriculum are in tune with the Program Outcomes" followed by "Professional and Open Electives are fulfilling the ever-evolving needs of IT industries" with a score of 4.336 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Problem Solving and Soft Skills acquired by the students through the curriculum will enable them to be placed in IT Industry" and "Curriculum provides the scope for improving the required skills of IT and IT enabled Industry Demands" obtained average scores 4.241 and 4.19 respectively and has been rated as Excellent.

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The parameters "Tools and technologies described in the curriculum are enough to design and develop new applications of IT Industry obtained the scores of 3.952 respectively and has been rated as Very Good which clearly reflects the benefit towards the student 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.

The feedback analysis reveals that Course Contents of Curriculum are very much tuned with the Program Outcomes, Open electives makes the student to learn new technologies for the placements in the IT Industry, laboratory sessions help to improve the student's technical skills.

Feedback from faculty 2018-19 (Academic Year) - UG – B. Tech (IT)

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

Table 3: Analysis of feedback from faculty 2018 – 19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	72	28	0	0	0	4.72	Excellent
Q2	60	36	4	0	0	4.56	Excellent
Q3	80	16	0	0	4	4.68	Excellent
Q4	76	16	8	0	0	4.68	Excellent
Q5	80	12	8	0	0	4.72	Excellent
Q6	72	16	8	0	4	4.52	Excellent
Q7	76	12	12	0	0	4.64	Excellent
Q8	76	16	4	0	4	4.6	Excellent
Q9	76	16	4	4	0	4.64	Excellent

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

Q2.Course Contents enhance the Problem-Solving Skills and Core competencies

Q3.Allocation of Credits to the Courses are satisfiable

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Q4. Contact Hour Distribution among the various Course Components (LTP) is Justifiable

Q5. Electives enable the passion to learn new technologies in emerging areas

Q6. Curriculum is providing opportunity towards Self learning

Q7. Composition of Basic Sciences, Engineering, Humanities and Management Courses is satisfiable

Q8. Courses with laboratory sessions are sufficient to improve the technical skills of students

Q9. Inclusion of Minor/ Mini Projects improved the technical competency and leadership skills among the students

The highest scores of 4.72 was given to two parameters "Course Contents of Curriculum are in tune with the Program Outcomes" and "Electives enable the passion to learn new technologies in emerging areas" has been rated as Excellent.

It is also clearly visible from the table that the parameters "Allocation of Credits to the Courses are satisfiable" and "Contact Hour Distribution among the various Course Components (LTP) is Justifiable" obtained scores as 4.68 respectively and they have been rated as Excellent.

The parameters "Composition of Basic Sciences, Engineering, Humanities and Management Courses is satisfiable" and "Inclusion of Minor/ Mini Projects improved the technical competency and leadership skills among the students" obtained the scores as 4.64 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Also, Excellent scores of 4.6, 4.56 and 4.52 were obtained by the parameters "Courses with laboratory sessions are sufficient to improve the technical skills of students", "Course Contents enhance the Problem-Solving Skills and Core competencies" and "Curriculum is providing opportunity towards Self learning".

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 Course Contents of Curriculum are very much tune with the Program Outcomes, Way of allocation of credits to the course are satisfiable and laboratory

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sessions and soft skills 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 alumni 2018-19 (Academic Year) - UG – B. Tech (IT)

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

Table 4: Analysis of feedback from alumni 2018 – 19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	27.7	46.8	14.9	8.5	2.1	3.895	Very Good
Q2	29.8	23.4	31.9	10.6	4.3	3.638	Very Good
Q3	27.7	17	23.4	17	14.9	3.256	Good
Q4	27.7	27.7	19.1	10.6	14.9	3.427	Good
Q5	25.5	17	21.3	23.4	12.8	3.19	Good
Q6	29.8	21.3	25.5	6.4	17	3.405	Good
Q7	36.2	27.7	10.6	8.5	17	3.576	Very Good

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

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The highest score of 3.895 was given to the parameter "Curriculum has paved a good foundation in understanding the basic engineering concepts" followed by "Course Contents of Curriculum are in tune with the Program Outcomes" and Current Curriculum is superior to your studied Curriculum" with a score of 3.638 and 3.576 and has been rated as Very Good.

It is clearly visible from the table that the parameters "Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry" and "Ability to compete with your peers from other Universities" obtained average scores 3.427 and 3.405 respectively and has been rated as Good.

The parameters "Curriculum imparted all the required Job Oriented Skills" and "Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills" obtained the scores of 3.256 and 3.19 respectively and has been rated as Good which clearly reflects the benefit towards the student 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.

The feedback analysis reveals that Curriculum has made a good foundation for student in understanding the basic engineering concepts, Professional and Open Electives of Curriculum makes the student to learn technical advancements needed to serve in the industry Curriculum contains all the required Job Oriented Skills and the courses placed in the curriculum supports both the advanced learners as well as slow learners.

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Feedback from parents 2018-19 (Academic Year) - UG – B. Tech (IT)

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

Table 5: Analysis of feedback from parents 2018 – 19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	44.2	33.8	18.2	0	3.9	4.147	Excellent
Q2	44.2	32.5	15.6	3.9	3.9	4.095	Excellent
Q3	37.7	39	11.7	0	11.7	3.913	Very Good
Q4	44.2	29.9	14.3	0	11.7	3.952	Very Good
Q5	42.9	23.4	22.1	3.9	7.8	3.9	Very Good

Q1.Curriculum enhances the intellectual aptitude of your ward

Q2.Curriculum realizes the personality development and technical skilling of your ward

Q3.Satisfaction about the Academic, Emotional Progression of your ward

Q4.Competency of your ward is on par with the students from other Universities/Institutes

Q5.Course Curriculum is of the global standard and is in tune with the needs of IT and IT enabled industries

The highest score of 4.14 was given to the parameter "Curriculum enhances the intellectual aptitude of your ward" followed by "Curriculum realizes the personality development and technical skilling of your ward" with a score of 4.09 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Competency of your ward is on par with the students from other Universities/Institutes" and "Satisfaction about the Academic, Emotional Progression of your ward" obtained average scores 3.95 and 3.91 respectively and has been rated as Very Good.

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The parameters "Course Curriculum is of the global standard and is in tune with the needs of IT and IT enabled industries" obtained the score of 3.9 and has been rated as Very Good which clearly reflects the benefit towards the student 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.

The feedback analysis reveals that curriculum provides the scope to improve the student's required skills of IT and IT enabled Industry Demands technical skills for placements, Tools and Technologies are helpful to design and develop new applications of IT industry and the courses placed in the curriculum supports both the advanced learners as well as slow learners.

Chairman, CDMC