



Minutes of CDMC Meeting

05-04-2017

The members of Curriculum Design and Monitoring Committee for B.Tech. Information Technology programme met on 05-04-2017 at ASF04, 'U' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
51.	Dr.N. Veeranjanyulu Professor & Head	Chairman	
2.	Mr.B.Premamayudu	Member	
3.	Mrs.K.Santhosri	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 2016-17.
2. Any point with the permission of Chair.

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

1. Add employability courses like machine learning, digital marketing, cloud computing in industry prospective
2. Add interdepartmental projects to get the knowledge on other engineering streams
3. Advanced Programming Languages (like python, R, PHP, etc) can be included from the 2nd year onwards to implement projects in various advanced areas.
4. Courses like Cloud Computing, Big data analytics, machine learning, and the internet of things can be made as a core category
5. Suggested that it is essential to include the primitive operations on Queue in Unit-I. Better to remove searching techniques from this course and include them in any basic programming language course.



6. It is better to include basic issues on data analytics in the first and second units of Data mining and data analytics course. From 3rd units, data analytics issues and practical exposure to various data analytics algorithms are more appropriate for IT students
7. Database design, data retrieval, and backup related issues need to discuss in the courses. Many industries are concentrating on database operations and backup issues.
8. Better to Include Embedded Systems and IoT related fundamental courses may include in the curriculum. Thereby students can understand the internal architecture of microprocessors and microcontrollers.
9. In depth knowledge in core courses required to write the national level examinations
10. It must support for higher education

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



Annexure 1

Feedback from Students 2016-17 (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 2016 – 17

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	51.9	39.8	7.3	0	0.5	4.411	Excellent
Q2	45.1	46.1	6.3	1	1.5	4.323	Excellent
Q3	26.7	55.3	15	1.9	1	4.045	Excellent
Q4	30.6	32.5	27.7	1.9	7.3	3.772	Very Good
Q5	24.8	48.5	23.3	1.5	1.9	3.928	Very Good
Q6	28.2	48.5	21.8	1.5	0	4.034	Excellent
Q7	35.9	47.6	13.6	1	1.9	4.146	Excellent
Q8	25.7	56.3	16	1.9	0	4.055	Excellent
Q9	31.6	40.3	24.3	2.4	1.5	3.984	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

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



The highest score of 4.41 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 4.32 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 4.14 and 4.05 respectively and has been rated as Excellent.

The parameters “Courses placed in the curriculum serves the needs of both advanced and slow learners” and “Curriculum is providing opportunity towards Self learning to realize the expectations” obtained the scores of 4.04 and 4.03 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Average scores of 3.98, 3.92 and 3.77 were obtained by the parameters “Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students”, “Electives have enabled the passion to learn new technologies in emerging areas” and “Contact Hour Distribution among the various Course Components (LTP) is satisfiable”.

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.



Feedback from Employers 2016-17 (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 2016 – 17

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	50	16.7	0	33.3	0	3.834	Very Good
Q2	33.3	16.7	50	0	0	3.833	Very Good
Q3	50	0	16.7	0	33.3	3.334	Good
Q4	16.7	50	33.3	0	0	3.834	Very Good
Q5	33.3	16.7	50	0	0	3.833	Very Good

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 3.834 was given to the two parameters “Course Contents of Curriculum are in tune with the Program Outcomes” followed by “Tools and technologies described in the curriculum are enough to design and develop new applications of IT Industry” has been rated as Very Good.

It is clearly visible from the table that the parameters “Curriculum provides the scope for improving the required skills of IT and IT enabled Industry Demands” and “Problem Solving and



Soft Skills acquired by the students through the curriculum will enable them to be placed in IT Industry” obtained average scores 3.833 and has been rated as Very Good.

The parameters “Professional and Open Electives are fulfilling the ever- evolving needs of IT industries” obtained the score of 3.334 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 Course Contents of Curriculum are very much in tune with the Program Outcomes, Tools and Technologies present in the curriculum are very much useful to design and develop IT applications and Soft Skills help to improve the student’s communication skills and the courses placed in the curriculum supports both the advanced learners as well as slow learners.

Feedback from Faculty 2016-17 (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 2016 – 17

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	69.2	23.1	3.8	0	3.8	4.536	Excellent
Q2	73.1	23.1	3.8	0	0	4.693	Excellent
Q3	80.8	19.2	0	0	0	4.808	Excellent
Q4	76.9	15.4	7.7	0	0	4.692	Excellent
Q5	84.6	11.5	3.8	0	0	4.804	Excellent
Q6	76.9	15.4	7.7	0	0	4.692	Excellent
Q7	76.9	15.4	7.7	0	0	4.692	Excellent
Q8	80.8	15.4	0	0	3.8	4.694	Excellent
Q9	76.9	19.2	0	3.8	0	4.689	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
- 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 score of 4.808 was given to the parameter “Allocation of Credits to the Courses are satisfiable” followed by “Electives enable the passion to learn new technologies in emerging areas” with a score of 4.804 and has been rated as Excellent.

It is clearly visible from the table that the parameters “Courses with laboratory sessions are sufficient to improve the technical skills of students” and “Course Contents enhance the Problem-Solving Skills and Core competencies” obtained scores 4.694 and 4.693 respectively and has been rated as Excellent.

The parameters “Curriculum is providing opportunity towards Self learning”, “Contact Hour Distribution among the various Course Components (LTP) is Justifiable” and “Composition of Basic Sciences, Engineering, Humanities and Management Courses is satisfiable” obtained the scores of 4.692 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Excellent Score is also given as 4.698 for the parameter “Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students”, and the parameter “Course Contents of Curriculum are in tune with the Program Outcomes” obtained the score as 4.536 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.

The feedback analysis reveals that Allocation of Credits to the Courses are satisfiable, elective subjects enables the student to learn new technologies and laboratory sessions help to improve the student's technical skills.

Feedback from Alumni 2016-17 (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 2016 – 17

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	38.5	38.5	7.7	15.4	0	4.004	Excellent
Q2	46.2	15.4	30.8	7.7	0	4.004	Excellent
Q3	30.8	7.7	23.1	15.4	23.1	3.08	Good
Q4	38.5	7.7	23.1	15.4	15.4	3.388	Good
Q5	30.8	15.4	7.7	23.1	23.1	3.08	Good
Q6	38.5	7.7	15.4	7.7	30.8	3.157	Good
Q7	46.2	23.1	7.7	0	23.1	3.696	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

The highest score of 4.004 was given to the parameters “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” has been rated as Excellent.

It is clearly visible from the table that the parameter “Current Curriculum is superior to your studied Curriculum” obtained average score of 3.696 respectively and has been rated as Very Good.

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 the scores of 3.388 and 3.157 respectively and has been rated as Good which clearly reflects the benefit towards the student expectations.

Average scores of 3.08 were obtained by the parameters “Curriculum imparted all the required Job Oriented Skills” and “Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills”

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, laboratory sessions help to improve the student’s technical skills and Course Contents of Curriculum are very much in tune with the Program Outcomes



Feedback from parents 2016-17 (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 2016 – 17

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	44.2	32.7	19.2	0	3.8	4.132	Excellent
Q2	44.2	32.7	15.4	3.8	3.8	4.094	Excellent
Q3	38.5	38.5	11.5	0	11.5	3.925	Very Good
Q4	44.2	28.8	15.4	0	11.5	3.939	Very Good
Q5	44.2	21.2	23.1	3.8	7.7	3.904	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 4.13 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 3.93 and 3.92 respectively and has been rated as Very Good.



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Department of Information Technology

Vadlamudi – 522 213, Guntur Dt. AP, India

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 3.90 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 Curriculum provides the scope for improving the required skills of IT and IT enabled Industry Demands for student to place in IT Industry and 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.

Chairman, CDMC