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·Estd. u/s 3 of UGC Act 1956

Vadlamudi – 522 213, Guntur Dt. AP, India

Department of
Information Technology

Minutes of CDMC Meeting

27-02-2020

The members of Curriculum Design and Monitoring Committee for Master of Computer Applications (MCA) programme met on 27-02-2020 at ASF06, 'U' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. K. V. Krishna Kishore Professor & Head	Chairman	
2.	Dr.N. Veeranjanayulu	Member	
3.	Mr.K.Praveen Kumar	Member	
4.	Mrs.K.Santhi sri	Member	

Agenda of the meeting

1. Analysis of the feedback collected from various stakeholders such as Faculty, Parents and Students, Alumni, and Employers 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:

1. Introduce Advanced courses as department electives
2. Include employability courses to understand the industry prospective
3. Strengthen the coding skills by allocating at least 50% of course to laboratories in the curriculum
4. Courses like Cloud Computing, Big data analytics, machine learning, and the internet of things can be made as a core category
5. It is better to include more practical oriented topics from the 2nd Unit onwards instead of theoretical issues in the Big Data Analytics course.
6. It is better to remove the number systems and introduction to computer issues from Unit-I and better to add programming issues and problem-solving techniques in Problem-solving and Computer Programming course.

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7. It is essential to include functional and scripting languages for the students very early in the programme and include the various case studies on programming knowledge.

8. Database design, data retrieval, and backup related issues need to discuss in the courses. Many industries are concentrating on database operations and backup issues.

9. Add employability courses in curriculum

10. Add more courses related to IT company

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 2019-20 (Academic Year) - PG – MCA

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 2019 – 20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	61.9	38.1	0	0	0	4.619	Excellent
Q2	52.4	45.2	2.4	0	0	4.5	Excellent
Q3	42.9	38.1	16.7	0	2.4	4.194	Excellent
Q4	19	50	26.2	0	4.8	3.784	Very Good
Q5	26.2	64.3	9.5	0	0	4.167	Excellent
Q6	47.6	35.7	16.7	0	0	4.309	Excellent
Q7	23.8	59.5	11.9	0	4.8	3.975	Very Good
Q8	23.8	64.3	11.9	0	0	4.119	Excellent
Q9	40.5	35.7	16.7	4.8	2.4	4.074	Excellent

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

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

Q3.Courses placed in the curriculum serve 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.Courses with laboratory sessions are sufficient to improve the technical skills

Q8.Research Projects improved the technical competency and leadership skills

Q9.Tools and technologies described in the curriculum are enough to design and develop new applications.

The categorization of rating is as follows: Strongly Agree (5), Agree (4), Moderate (3), Disagree (2) and Strongly Disagree (1).

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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)

The highest score of 4.619 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 4.5 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Curriculum is providing opportunity towards self-learning to realize the expectations" and "Courses placed in the curriculum serve the needs of both advanced and slow learners" obtained average scores 4.309 and 4.194 respectively and has been rated as Excellent.

The parameters "Electives have enabled the passion to learn new technologies in emerging areas" and "Research Projects improved the technical competency and leadership skills" obtained the scores of 4.167 and 4.119 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Average scores of 4.074, 3.975 and 3.784 were obtained by the parameters "Tools and technologies described in the curriculum are enough to design and develop new applications", "Courses with laboratory sessions are sufficient to improve the technical skills" 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.

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Feedback from Employers 2019-20 (Academic Year) - PG – MCA

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 2019– 20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	96.2	3.8	0	0	0	4.962	Excellent
Q2	88.5	11.5	0	0	0	4.885	Excellent
Q3	76.9	23.1	0	0	0	4.769	Excellent
Q4	61.5	38.5	0	0	0	4.615	Excellent
Q5	80.8	19.2	0	0	0	4.808	Excellent

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

Q2. Curriculum has the scope for improving the required skills of IT and IT enabled Industry Demands

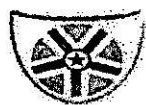Q3. Professional and Open Electives are fulfilling the ever- evolving needs of IT industries

Q4. Tools and technologies described in the curriculum are sufficient 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)

The highest score of 4.96 was given to the parameter "Course Contents of Curriculum are in tune with the Program Outcomes" followed by "Curriculum has the scope for improving the required skills of IT and IT enabled Industry Demands" with a score of 4.88 and has been rated as Excellent.

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Average scores of 4.80, 4.76 and 4.61 were obtained by the parameters "Problem Solving and Soft Skills acquired by the students through the curriculum will enable them to be placed in IT Industry", "Professional and Open Electives are fulfilling the ever- evolving needs of IT industries" and "Tools and technologies described in the curriculum are sufficient to design and develop new applications of IT Industry".

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 faculty 2019-20 (Academic Year) - PG – MCA

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 2019 – 20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	64.5	29	6.5	0	0	4.58	Excellent
Q2	51.6	41.9	6.5	0	0	4.451	Excellent
Q3	71	25.8	0	0	3.2	4.614	Excellent
Q4	64.5	19.4	16.1	0	0	4.484	Excellent
Q5	77.4	12.9	9.7	0	0	4.677	Excellent
Q6	64.5	22.6	9.7	0	3.2	4.452	Excellent
Q7	67.7	19.4	12.9	0	0	4.548	Excellent
Q8	71	19.4	3.2	0	6.5	4.487	Excellent
Q9	64.5	25.8	3.2	6.5	0	4.483	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.Curriculum enable the research abilities of the students in thrust areas of Computer Science

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

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

Q6.Curriculum is providing opportunity towards self-learning

Q7.Apply tools and technologies described in the curriculum are enough to design and develop new applications to serve the local needs.

Q8.Courses with 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 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)

The highest score of 4.677 was given to the parameter "Electives enable the passion to learn new technologies in emerging areas" followed by "Curriculum enable the research abilities of the students in thrust areas of Computer Science" with a score of 4.614 and has been rated as Excellent. It is clearly visible from the table that the parameters "Course Contents of Curriculum are in tune with the Program Outcomes" and "Apply tools and technologies described in the curriculum are enough to design and develop new applications to serve the local needs" obtained average scores 4.58 and 4.548 respectively and has been rated as Excellent.

The parameters "Courses with laboratory sessions are sufficient to improve the technical skills of students" and "Contact Hour Distribution among the various Course Components (LTP) is Justifiable" obtained the scores of 4.487 and 4.484 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Average scores of 4.483, 4.452 and 4.451 were obtained by the parameters "Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students", "Curriculum is providing opportunity towards self-learning" and "Course Contents enhance the Problem-Solving Skills and Core competencies ".

Time to time meetings were conducted at the department level to leverage new and advanced techniques to combat the learning difficulties of the students.

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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 Alumni 2019-20 (Academic Year) - PG – MCA

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

Table 4: Analysis of feedback from alumni 2019 – 20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	100	0	0	0	0	5	Excellent
Q2	100	0	0	0	0	5	Excellent
Q3	89.5	10.5	0	0	0	4.895	Excellent
Q4	52.6	47.4	0	0	0	4.526	Excellent
Q5	89.5	10.5	0	0	0	4.895	Excellent
Q6	84.2	15.8	0	0	0	4.842	Excellent
Q7	94.7	5.3	0	0	0	4.947	Excellent

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

The categorization of rating is as follows: Strongly Agree (5), Agree (4), Moderate (3), Disagree (2) and Strongly Disagree (1).

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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)

The highest score of 5 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" with a score of 5 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Curriculum enriched the research abilities to pursue higher education in the thrust areas of Computer Science" and "Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills" obtained average scores 4.89 and 4.89 respectively and has been rated as Excellent.

Average scores of 4.94, 4.84 and 4.52 were obtained by the parameters "Curriculum is superior to your studied Curriculum", "Competing with your peers from other Universities" and "Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry".

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 parents 2019-20 (Academic Year) - PG – MCA

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 2019 – 20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	31.7	46.3	22	0	0	4.097	Excellent
Q2	31.7	36.6	22	9.8	0	3.905	Very Good
Q3	24.4	51.2	24.4	0	0	4	Excellent
Q4	31.7	43.9	24.4	0	0	4.073	Excellent
Q5	31.7	43.9	14.6	9.8	0	3.975	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 global standard and is in tune with the needs of IT and IT enabled
industries

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 ($\geq$4); Very Good ($\geq$3.5&<4); Good ($\geq$3&<3.5); Moderate (>2 &<3) and Unsatisfactory (<2)

The highest score of 4.097 was given to the parameter "Curriculum enhances the intellectual aptitude of your ward" followed by "Competency of your ward is on par with the students from other Universities/Institutes" with a score of 4.073 and has been rated as Excellent.

Average scores of 4, 3.975 and 3.905 were obtained by the parameters "Satisfaction about the Academic, Emotional Progression of your ward", "Course Curriculum is of global standard and is

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in tune with the needs of IT and IT enabled industries" and "Curriculum realizes the personality development and technical skilling of your ward".

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.

Chairman, CDMC