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Department of Information Technology

Vadlamudi – 522 213, Guntur Dt. AP, India

Minutes of CDMC Meeting

18-03-2021

The members of Curriculum Design and Monitoring Committee for Master of Computer Applications (MCA) programme met on 14-03-2021 at ASF04, '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, Students, Alumni, and Employers during the academic year 2020-21.

2. Any point with the permission of Chair.

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

1. Strengthen the coding skills by allocating at least 50% of course to laboratories in the curriculum

2. Introduce the industry-oriented courses like machine learning, data visualization and big data computer and data analytics

3. Introduce Advanced courses as department electives like full stack development, computer vision, deep learning, natural language processing

4. Include project-based learning by introducing projects from the first year itself

5. Strengthen the core areas of computer science and application-oriented courses in the curriculum

6. Give the priority in very advanced area related courses in the field of information technology and computer science

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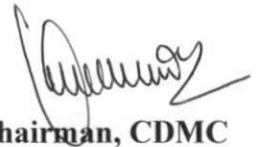Estd. u/s 3 of UGC Act 1956

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7. Include hands on experiments in data mining, big data computing, and data visualization using real time data sets.

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 2020-21 (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 2020 – 21

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	31.9	67	1.1	0	0	4.308	Excellent
Q2	38.3	60.6	1.1	0	0	4.372	Excellent
Q3	13.8	85.1	0	0	1.1	4.105	Excellent
Q4	2.1	62.8	21.3	1.1	12.8	3.406	Good
Q5	20.2	78.7	0	0	1.1	4.169	Excellent
Q6	19.1	52.1	27.7	1.1	0	3.892	Very Good
Q7	7.4	64.9	0	0	27.7	3.243	Good
Q8	14.9	71.3	12.8	1.1	0	4.003	Excellent
Q9	75.5	23.4	0	0	1.1	4.722	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 ($\geq 3.5 \& < 4$); Good ($\geq 3 \& < 3.5$); Moderate ($> 2 \& < 3$) and Unsatisfactory (< 2)

The highest score of 4.722 was given to the parameter "Tools and technologies described in the curriculum are enough to design and develop new applications" followed by "Course Contents are well designed to enable Problem Solving Skills and Core competencies" with a score of 4.328 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 "Electives have enabled the passion to learn new technologies in emerging areas" obtained average scores 4.308 and 4.169 respectively and has been rated as Excellent.

The parameters "Courses placed in the curriculum serve the needs of both advanced and slow learners" and "Research Projects improved the technical competency and leadership skills" obtained the scores of 4.105 and 4.003 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Average scores of 3.892, 3.406 and 3.243 were obtained by the parameters "Curriculum is providing opportunity towards self-learning to realize the expectations", "Contact Hour Distribution among the various Course Components (LTP) is Satisfiable" and "Courses with laboratory sessions are sufficient to improve the technical 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 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 2020-21 (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.

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Table 2: Analysis of feedback from employers 2020– 21

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Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	44	4	24	28	0	3.64	**Very Good**
Q2	40	12	40	8	0	3.84	**Very Good**
Q3	44	28	20	8	0	4.08	**Excellent**
Q4	40	32	12	16	0	3.96	**Very Good**
Q5	48	12	20	16	4	3.84	**Very Good**

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

The highest score of 4.08 was given to the parameter "Professional and Open Electives are fulfilling the ever- evolving needs of IT industries" followed by "Tools and technologies described

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in the curriculum are sufficient to design and develop new applications of IT Industry" with a score of 3.96 and has been rated as Excellent and Very Good respectively.

Average scores of 3.84, 3.84 and 3.64 were obtained by the parameters "Curriculum has the scope for improving the required skills of IT and IT enabled Industry Demands", "Problem Solving and Soft Skills acquired by the students through the curriculum will enable them to be placed in IT Industry" and "Course Contents of Curriculum are in tune with the Program Outcomes".

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 2020-21 (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 2020 – 21

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	80	20	0	0	0	4.8	Excellent
Q2	80	20	0	0	0	4.8	Excellent
Q3	80	20	0	0	0	4.8	Excellent
Q4	85	15	0	0	0	4.85	Excellent
Q5	80	20	0	0	0	4.8	Excellent
Q6	75	25	0	0	0	4.75	Excellent
Q7	80	20	0	0	0	4.8	Excellent
Q8	90	10	0	0	0	4.9	Excellent
Q9	75	25	0	0	0	4.75	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

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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.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 ($\geq3.5\&<4$); Good ($\geq3\&<3.5$); Moderate ($>2\&<3$) and Unsatisfactory (<2)

The highest score of 4.9 was given to the parameter "Courses with laboratory sessions are sufficient to improve the technical skills of students" followed by "Contact Hour Distribution among the various Course Components (LTP) is Justifiable" with a score of 4.85 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 "Course Contents enhance the Problem-Solving Skills and Core competencies" obtained average scores 4.8 and 4.8 respectively and has been rated as Excellent.

The parameters "Curriculum enable the research abilities of the students in thrust areas of Computer Science" and "Electives enable the passion to learn new technologies in emerging areas" obtained the scores of 4.8 and 4.8 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Average scores of 4.8, 4.75 and 4.75 were obtained by the parameters "Apply tools and technologies described in the curriculum are enough to design and develop new applications to serve the local needs", "Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students".

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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 Alumni 2020-21 (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 2020 – 21

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	36.6	41.5	4.9	17.1	0	3.979	Very Good
Q2	46.3	17.1	26.8	9.8	0	3.999	Very Good
Q3	26.8	9.8	22	17.1	24.4	2.978	Moderate
Q4	36.6	12.2	22	9.8	19.5	3.369	Good
Q5	26.8	19.5	9.8	19.5	24.4	3.048	Good
Q6	41.5	12.2	9.8	4.9	31.7	3.272	Good
Q7	48.8	24.4	4.9	0	22	3.783	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 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 ($\geq 3.5 \& <4$); Good ($\geq 3 \& <3.5$); Moderate ($>2 \& <3$) and Unsatisfactory (<2)

The highest score of 3.999 was given to the parameter "Course Contents of Curriculum are in tune with the Program Outcomes" followed by "Curriculum enriched the research abilities to pursue higher education in the thrust areas of Computer Science" with a score of 3.979 and has been rated as Very Good.

It is clearly visible from the table that the parameters "Curriculum is superior to your studied Curriculum" and "Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry" obtained average scores 3.783 and 3.369 respectively and has been rated as very good and good.

Average scores of 3.272, 3.048 and 2.978 were obtained by the parameters "Competing with your peers from other Universities", "Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills" and "Curriculum enriched the research abilities to pursue higher education in the thrust areas of Computer Science".

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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