

ADITYA ENGINEERING COLLEGE

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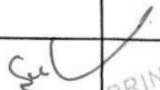
Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Program Name : Master of Computer Applications

Syllabus Revision for the Academic Year 2020-2021				
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	1	203MC1T01	Business Communication	100
2	1	203MC1T02	Mathematical and Statistical Foundations	100
3	1	203MC1T03	Computer Organization & Operating Systems	100
4	1	203MC1T04	Data Structures	0
5	1	203MC1T05	Object Oriented Programming with JAVA	100
6	1	203MC1L01	Operating Systems and Linux Lab	100
7	1	203MC1L02	Data Structures Lab	100
8	1	203MC1L03	JAVA Programming Lab	100
9	1	203MC1P01	Socially Relevant Project using Design Thinking	100
10	2	203MC2T06	Database Management Systems	100
11	2	203MC2T07	Computer Networks	100
12	2	203MC2T08	Software Engineering and Design Patterns	100
13	2	203MC2T09	Data Warehousing and Mining	100
14	2	203MC2E02	Design and Analysis of Algorithms	100
15	2	203MC2L04	DBMS Lab	100

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16	2	203MC2L05	Computer Networks Lab	100
17	2	203MC2L06	Software Engineering and Design Patterns Lab	100
18	2	203MC2T10	Employability Skills	100
19	3	193MC3T11	Database Management Systems	0
20	3	193MC3T12	Computer Networks	0
21	3	193MC3T13	Design & Analysis of Algorithms	0
22	3	193MC3T14	Advanced Java Programming	100
23	3	193MC3T15	Object Oriented Analysis and Design	100
24	3	193MC3L07	Database Management Systems Lab	0
25	3	193MC3L08	Advanced Java Programming Lab	100
26	3	193MC3L09	OOAD through UML Lab	100
27	4	193MC4T16	Data Warehousing & Data Mining	0
28	4	193MC4T17	Full Stack Technologies	100
29	4	193MC4T18	Python Programming	100
30	4	193MC4E01	Embedded Computing	80
31	4	193MC4E02	Artificial Intelligence	0
32	4	193MC4E03	MOOCs-1	100
33	4	193MC4E04	Cloud Computing	0
34	4	193MC4E05	Multimedia Application Development	100
35	4	193MC4E06	MOOCs-2	100
36	4	193MC4L10	Full Stack Technologies Lab	100


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37	4	193MC4L11	Data Mining with R Lab	100
38	4	193MC4L12	Python Programming Lab	100
39	5	173MC5T19	Big Data Analytics	0
40	5	173MC5T20	Network Programming	0
41	5	173MC5T21	Python Programming	0
42	5	173MC5E07	Cyber Security	0
43	5	173MC5E08	Computer Forensics	0
44	5	173MC5E09	E – Commerce	0
45	5	173MC5E10	Internet of Things	0
46	5	173MC5E11	Multimedia Application Development	0
47	5	173MC5E12	Software Testing Methodologies	0
48	5	173MC5E13	Big Data Analytics Lab	0
49	5	173MC5E14	Network Programming Lab	0
50	5	173MC5E15	Python Programming Lab	0
51	6	173MC6R01	Seminar	0
52	6	173MC6P01	Major Project	0

Total number of courses in the academic year 2020-2021	= 52
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-2021	=30
Percentage of syllabus revision carried out in the academic year 2020-2021 = $(30/52)*100$	= 57.6

T. Satya
Program Coordinator

S.V.
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Department of MCA
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Department of Master of Computer Applications

Date:17/10/2020

Minutes of the 6th Meeting of BOS Scheduled on 15/10/2020

The VI meeting of the BOS of MCA was held virtually on 15th October 2020 at 11.30 AM through Microsoft Teams. Prof D.Beulah, Chairperson presided over the meeting.

Agenda 6.1: Welcome address by Chair Person-BOS.

Prof. D.Beulah, BOS Chairperson invited the distinguished members of BOS to the VI BOS Meeting.

Agenda 6.2: Ratification of minutes of the previous Board of Studies meeting

The BOS members have ratified the points discussed in the previous Board of Studies meeting held on 08/11/2019.

Agenda 6.3: Discussion on proposed AR19 MCA Program – IV & V semester syllabus and ratification of the same.

The members of BOS ratified the AR 19 IV & V Semesters MCA syllabus after incorporating the following changes:

- Suggested to prepare COs in all levels of Blooms Taxonomy covering entire syllabus for all the Courses.
- Suggested to remove second text book in the course "Theory of Computation".
- Suggested to involve the students in real-time applications using IOT.
- Suggested to include practical oriented books for lab courses.
- Suggested to check the continuity of the topic Optimal randomized algorithm in Unit III of the course "Design and analysis of algorithms"
- Suggested to include IIT Delhi and IIT Kharagpur experts NPTEL weblinks in the course "Design and analysis of algorithms".
- Suggested to include Logic programming concepts as one unit in the course "Functional and logic programming".
- Suggested to add the web links of Pallab Das Gupta, Subject expert from IIT Kharagpur in the course "Artificial Intelligence".

Agenda 6.4: Discussion on proposed AR20 MCA First Year Program structure and ratification of the same.

The members of BOS ratified the MCA First Year Program structure.

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Agenda 6.5: Discussion on proposed AR20 MCA Program – I & II semesters syllabus and ratification of the same.

The members of BOS ratified the MCA Program – I & II semesters syllabus.

Agenda 6.6: Discussion on the courses having focus on employability/entrepreneurship/skill development in MCA programs and ratification of the same.

The members of BOS ratified the courses having focus on employability/entrepreneurship/skill development in the MCA program.

Agenda 6.7: Discussion on the new courses offered in MCA program and ratification of the same.

Members of BOS noted the new courses offered in MCA programme and ratified the same. The Percentage of new courses introduced in the academic year 2020-2021 for MCA is 25%. The list of new courses is enclosed as Annexure-I.

Agenda 6.8: Discussion on MCA program in which Choice Based Credit System (CBCS) / elective course system is being implemented and ratification of the same.

Members of BOS ratified the Choice Based Credit System(CBCS) / elective course system that is being implemented in MCA program.

Agenda 6.9: Discussion on the value-added courses offered for students and ratification of the same.

Members of BOS ratified the value-added courses offered for students.

Agenda 6.10: Discussion on the percentage of syllabus revision done in MCA program and ratification of the same.

The Chairperson presented the percentage of syllabus revision done in MCA program and the BOS members approved the same. The Percentage of Courses Revised in the Academic Year 2020-2021 for MCA is 57.6%. The list of courses revised during is enclosed as Annexure-II.

Agenda 6.11: Analysis of Results

Members of BOS noted the result analysis presented by the Chairperson for the A.Y.2020-21 and ratified the same.

Agenda 6.12: Analysis of Students Feedback & Action Taken Report

The Chairperson expressed the students' feedback and action taken report. Members of BOS noted the students' feedback and action taken report process initiated at the end of each semester. The BOS members noted the same.

Agenda 6.13: Analysis of Stakeholder's Feedback on Curriculum

The BOS Chairperson presented the analysis of Feedback on Curriculum which is taken from the various Stakeholders. The BOS members noted the same and advised to incorporate the suggestions as per the feasibility. The Action Taken Report is enclosed as Annexure-III

Agenda 6.14: Any other item/s


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- Suggested to follow the competitive exams pattern partially in preparation of the question paper for sessional examinations.
- Suggested to involve the Alumni students to give guest lectures on few topics in the curriculum.
- Suggested to involve the students in smart city projects of Kakinada.

Agenda 6.15: Scheduling of the next BOS meeting.

The next BOS meeting is tentatively scheduled in the month of April 2020.

Agenda 6.16: Vote of Thanks

The Chairperson presented the Vote of Thanks.



BOS Chairperson

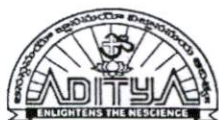
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Annexure-I

List of New Courses in the Academic Year 2020-2021

S. No	Program	Semester	Course Code	Course Name
1	MCA	I	203MC1L01	Operating Systems and Linux Lab
2	MCA	I	203MC1P01	Socially Relevant Project using
3	MCA	II	203MC2T08	Software Engineering and Design
4	MCA	II	203MC2S01	Bridge Course (Python Programming
5	MCA	II	203MC2E01	No SQL Databases
6	MCA	IV	193MC4T17	Full Stack Technologies
7	MCA	IV	193MC4L10	Full Stack Technologies Lab
8	MCA	IV	193MC4L11	Data Mining with R Lab
9	MCA	IV	193MC5T20	Big Data Analytics
10	MCA	V	193MC5T21	Machine Learning
11	MCA	V	173MC5T21	Python Programming
12	MCA	V	173MC5E08	Computer Forensics
13	MCA	V	173MC5E10	Internet of Things

BOS Chairperson
Head of the Department
Department of MCA
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Annexure-II

List of Courses Revised in the Academic Year 2020-2021

S. No	Program	Semester	Course Code	Course Name
1	MCA	V	193MC4E01	EMBEDDED COMPUTING

BOS Chairperson

Head of the Department

Department of MCA

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Annexure-III

Action Taken Report on Stakeholders Feedback in the Academic Year 2020-2021

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	6.3	Effective Soft-skill training to be provided	Industry Oriented exclusive Soft-skill trainer is appointed as a trainer. Communication Skill lab-I & II also included in the Syllabus. The students are encouraged to present in seminar session.
2	6.3	Include Emerging technologies in the syllabus like Full Stack Technologies, Block Chain Technologies, Data Science, ...etc	As per the suggestion given by the employer and alumni Syllabus was revised, Open Elective I, II, III & IV are introduced, and emerging Full Stack Technologies, Block chain Technologies, Data Science are included in the syllabus.
3	6.3	Suggested more practical oriented courses in the curriculum	Courses are introduced as per the suggestion.
4	6.3	In comparison with the syllabus Computer Organization and Operating System, it has a combination of Computer Organization and Operating System syllabus. If possible, reduce the syllabus and keep the subject in 2 nd semester.	As per the suggestions given by the alumni Computer Organization and Operating System syllabus has been reduced.
5	6.14	To provide a chance for students to learn the work culture in the companies	Students are allowed to go for internships and carry out the projects to learn the work culture.
6	6.14	Take more precautions in these pandemic years	All the COVID-19 precautions such as checking the student's temperature, Sanitizing the

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