



ADITYA ENGINEERING COLLEGE

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Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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 2019-2020				
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	1	193MC1T01	Problem Solving with C	70
2	1	193MC1T02	Computer Organization	40
3	1	193MC1T03	Discrete Mathematical Structures	0
4	1	193MC1T04	Probability and Statistics	100
5	1	193MC1T05	Accounting and Financial Management	0
6	1	193MC1L01	English Language Communication Skills Lab	50
7	1	193MC1L02	Problem Solving with C Lab	100
8	1	193MC1L03	IT Workshop (Lab)	100
9	2	193MC2T06	Data Structures	100
10	2	193MC2T07	Operating Systems	0
11	2	193MC2T08	Software Engineering	0
12	2	193MC2T09	OOP Through Java	0
13	2	193MC2T10	Optimization Techniques	0
14	2	193MC2L04	OOP Through Java Lab	0
15	2	193MC2L05	Data Structures Lab	0

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16	2	193MC2L06	Operating Systems and Linux Lab	0
17	3	173MC1T11	DATA BASE MANAGEMENT SYSTEMS	0
18	3	173MC1T12	COMPUTER NETWORKS	0
19	3	173MC1T13	UNIX PROGRAMMING	0
20	3	173MC1T14	MANAGEMENT INFORMATION SYSTEM	0
21	3	173MC1T15	DESIGN AND ANALYSIS OF ALGORITHMS	0
22	3	173MC1L07	DATA BASE MANAGEMENT SYSTEMS LAB	0
23	3	173MC1L08	UNIX PROGRAMMING LAB	0
24	3	173MC1L09	COMPUTER NETWORKS LAB	0
25	4	173MC1T16	OBJECT ORIENTED ANALYSIS AND DESIGN	0
26	4	173MC1T17	ADVANCED JAVA & WEB TECHNOLOGIES	0
27	4	173MC1T18	DATA WAREHOUSING AND MINING	0
28	4	173MC4E01	MOBILE COMPUTING	0
29	4	173MC4E02	HUMAN COMPUTER INTERACTION	0
30	4	173MC4E03	CLOUD COMPUTING	0
31	4	173MC4E04	SOFTWARE PROJECT MANAGEMENT	0
32	4	173MC4E05	ARTIFICIAL INTELLIGENCE	0
33	4	173MC4E06	EMBEDDED SYSTEMS	0
34	4	173MC1L10	ADVANCED JAVA & WEB TECHNOLOGIES	0
35	4	173MC1L11	DATA WAREHOUSING AND MINING LAB	0
36	4	173MC1L12	OBJECT ORIENTED ANALYSIS AND DESIGN	0

37	5	173MC1T19	BIG DATA ANALYTICS	0
38	5	173MC1T20	NETWORK PROGRAMMING	0
39	5	173MC1T21	PYTHON PROGRAMMING	0
40	5	173MC4E07	CYBER SECURITY	0
41	5	173MC4E08	COMPUTER FORENSICS	0
42	5	173MC4E09	E-COMMERCE	0
43	5	173MC4E10	INTERNET OF THINGS	0
44	5	173MC4E11	MULTIMEDIA APPLICATION DEVELOPMENT	0
45	5	173MC4E12	SOFTWARE TESTING METHODOLOGIES	0
46	5	173MC1L13	BIG DATA ANALYTICS LAB	0
47	5	173MC1L14	NETWORK PROGRAMMING LAB	0
48	5	173MC1L15	PYTHON PROGRAMMING LAB	0
49	6	173MC6R01	SEMINAR	0
50	6	173MC6P01	Major Project	0

Total number of courses in the academic year 2019-2020	=50
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-2020	= 7
Percentage of syllabus revision carried out in the academic year	= 14.00%

T. Satya
Program Coordinator

B. S. S. S.
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Head of the Department
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Department of MCA
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Department of Master of Computer Applications

Date: 25/07/2019

Minutes of the 4th Meeting of BOS Scheduled on 20/07/2019

The IV meeting of the BOS of Master of Computer Applications Department was held on 20-07-2019 at 09.30 AM.

The Members discussed the agenda items and made the following resolutions.

Agenda 4.1: Welcome address by Chairperson-BOS.

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

Agenda 4.2: 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 17/11/2018.

Agenda 4.3: Discussion on proposed AR19 MCA Program structure, AR19 MCA Program – I & II semesters syllabus and ratification of the same.

The members of BOS ratified the AR19 I & II Semesters MCA syllabus after incorporating the following changes:

- Suggested to name language courses like C, C++, java, etc., as Interactive Programming-I, II etc., (as course names).
- Suggested to revise the Elective tracks and the courses in it.
- Suggested to include Natural Language Processing course in Elective courses.

Agenda 4.4: Discussion on the courses having focus on employability/ entrepreneurship/ skill development in the programmes of AR19 MCA and ratification of the same.

The members of BOS ratified the courses having focus on employability/ entrepreneurship/ skill development in the AR20 MCA program.

Agenda 4.5: Discussion on the new courses offered in the MCA programme and ratification of the same.

Members of BOS noted the new courses offered in the MCA programme and ratified the same. The Percentage of new courses introduced during in the academic year 2019-2020 for MCA is 10%. The list of new courses is enclosed as Annexure-I.

Agenda 4.6: Discussion on the AR19 MCA programme in which Choice Based Credit System(CBCS)/elective course system is being implemented and ratification of the same.

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

Agenda 4.7: 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 4.8: 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 2019-2020 for MCA is 14%. The list of courses revised during is enclosed as Annexure-II.

Agenda 4.9: Analysis of Results

Members of BOS noted the result analysis presented by the Chairperson for the A.Y.2019-20 and ratified the same.

Agenda 4.10: 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 4.11: 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 4.12: Any other item/s

- Suggested to conduct induction program for 3 weeks before 1st semester.
- Suggested that every faculty should train on "Design and Thinking", which is useful for handling subjects.
- Suggested to add new technologies in elective courses to fill the gap between industry and academics
- Suggested to provide more industrial training to students.

Agenda 4.13: Scheduling of the next BOS meeting.

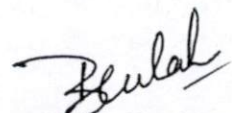
The next BOS meeting is tentatively scheduled in the month of December, 2019.

Agenda 4.14: Vote of Thanks

The Chairperson presented the Vote of Thanks.

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

List of New Courses in the Academic Year 2019-2020

S. No	Program	Semester	Course Code	Course Name
1	MCA	I	193MC1L03	IT Workshop (Lab)
2	MCA	II	173MC2L06	Operating System & Computer Graphics Lab
3	MCA	V	173MC5T21	Python Programming
4	MCA	V	173MC5E08	Computer Forensics
5	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 2019-2020

S. No	Program	Semester	Course Code	Course Name
1	MCA	I	19MC1T01	Problem solving with c
2	MCA	I	19MC1T02	Computer organization
3	MCA	I	19MC1L01	English language communication skill lab

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 2019-2020

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	4.12	To make students aware of the importance of computers, fundamentals of computer hardware and software, and Microsoft Office Word, Excel, Access, and PowerPoint.	As per the suggestion given by the employer, IT Workshop Lab will be introduced in the 1 st semester.
2	4.12	Suggested that every students should have github and linkedIn profile to get connected to Professional Network.	All the students are instructed to create Github account and to push all the source codes developed by them. LinkedIn profile is also created.
3	4.12	Improve the technical skill in recent technologies	Imparted the recent technology-based courses in the curriculum like IOT and Artificial intelligence.
4	4.10	Impart practical knowledge among students, make them work on more and more projects.	As per the suggestions given by the alumni, the special technical training classes are conducted after 3:30 PM.
5	4.3	Suggested to include Digital Marketing and Natural Language Processing courses in elective list.	Added the two courses as per the suggestion.
6	4.12	Suggested to provide industrial training to students	As per the suggestions implant/internship training is provided.
7	4.4	Knowledge of logical reasoning and aptitude should be imparted.	Logical reasoning and aptitude classes are conducted.
8	4.4	To establish research and innovations thoughts into the student minds	Providing access to the students and making them to read e-journals.
9	4.10	Allowing the students in solving and practice the nationwide	Encouraging the students in participating online coding

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		issues.	competitions for finding the solutions
10	4.10	Basic knowledge on Industry requirements from Alumni should be imparted.	Organized guest lecture on Industry requirements from Alumni.
11	4.12	Placement and training should be more emphasized.	A team is established to train and place the students in huge number.
12	4.12	More practical knowledge sharing on current technologies is required.	Technical seminars and workshop are being arranged with industry experts

Bewal
 BOS Chairperson
 Head of the Department
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