



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 2018-2019

1	1	173MC1T01	C PROGRAMMING AND DATA STRUCTURES	0
2	1	173MC1T02	COMPUTER ORGANIZATION	0
3	1	173MC1T03	DISCRETE MATHEMATICAL STRUCTURES AND GRAPH THEORY	0
4	1	173MC1T04	STATISTICAL PROGRAMMING WITH R	0
5	1	173MC1T05	ACCOUNTING AND FINANCIAL MANAGEMENT	0
6	1	173MC1L01	ENGLISH LANGUAGE COMMUNICATION SKILLS LAB	0
7	1	173MC1L02	C PROGRAMMING LAB	0
8	1	173MC1L03	STATISTICAL PROGRAMMING WITH R LAB	0
9	2	173MC1T06	OOPS THROUGH JAVA	0
10	2	173MC1T07	OPERATING SYSTEMS	0
11	2	173MC1T08	SOFTWARE ENGINEERING	0
12	2	173MC1T09	OPTIMIZATION TECHNIQUES	0
13	2	173MC1T10	COMPUTER GRAPHICS	0
14	2	173MC1L04	OOPS THROUGH JAVA LAB	0
15	2	173MC1L05	DATA STRUCTURES LAB	0
16	2	173MC1L06	OPERATING SYSTEM & COMPUTER GRAPHICS 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

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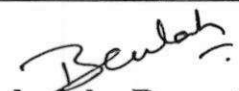
21	3	173MC1T15	DESIGN AND ANALYSIS OF ALGORITHMS	0
22	3	173MC1L07	DATA BASE MANAGEMENT SYSTEMS LAB	0
23	3	173MC1L08	UNIX PROGRAMMING LAB	0
24	3	173MC1L09	COMPUTER NETWORKS LAB	0
25	4	173MC1T16	OBJECT ORIENTED ANALYSIS AND DESIGN	0
26	4	173MC1T17	ADVANCED JAVA & WEB TECHNOLOGIES	0
27	4	173MC1T18	DATA 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 LAB	0
35	4	173MC1L11	DATA WAREHOUSING AND MINING LAB	0
36	4	173MC1L12	OBJECT ORIENTED ANALYSIS AND DESIGN LAB	0
37	5	MC1651	BIG DATA ANALYTICS	100
38	5	MC1652	NETWORK PROGRAMMING	0
39	5	MC1653	PYTHON PROGRAMMING	100
40	5	MCA16.5.4.1	CYBER SECURITY	100
41	5	MCA16.5.4.2	COMPUTER FORENSICS	0
42	5	MCA16.5.4.3	E-COMMERCE	0
43	5	MCA16.5.5.1	INTERNET OF THINGS	100
44	5	MCA16.5.5.2	MULTIMEDIA APPLICATION DEVELOPMENT	0
45	5	MCA16.5.5.3	SOFTWARE TESTING METHODOLOGIES	100

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46	5	MC165A	BIG DATA ANALYTICS LAB	100
47	5	MC165B	NETWORK PROGRAMMING LAB	0
48	5	MC165C	PYTHON PROGRAMMING LAB	100
49	6	MC165D	PROJECT SEMINAR	0
50	6	173MCPO1	DISSERTATION/ THESIS	0

Total number of courses in the academic year 2018-2019	= 50
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-2019	= 7
Percentage of syllabus revision carried out in the	= 14.00%


Program Coordinator


Head of the Department
Head of the Department
Department of MCA
Aditya Engineering College


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Department of Master of Computer Applications

Date: 20/11/2018

Minutes of the 3rd Meeting of BOS Scheduled on 17/11/2018

The III meeting of the BOS of Master of Computer Applications Department was held on 17-11-2018 at 09.30 AM.

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

Agenda 3.1: Welcome address by Chair Person-BOS.

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

Agenda 3.2: 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 25/11/2017.

Agenda 3.3: Discussion on proposed AR17 MCA Program – V & VI semester syllabus and ratification of the same.

The members of BOS ratified the AR17 V & VI Semesters MCA syllabus after incorporating the following changes:

- Suggested to use more courses which are industry ready as electives.
- Suggested to incorporate IoT as a lab course also.
- Suggested to use open source tools for Labs wherever they are possible.

The members of BOS ratified the Percentage of new courses introduced in the academic year 2018-2019 for MCA is 14%. The list of new courses is enclosed as Annexure-I.

The members of BOS ratified the professional core electives and open electives offered during the academic year 2018-2019.

Agenda 3.4: Analysis of Students Feedback & Action Taken Report

The Chairperson presented that the average feedback of the faculty for odd and even semesters for the A.Y.2019-20, members of BOS noted the students feedback and action taken report and appreciated the staff members for the same.

Agenda 3.5: 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-II.

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Agenda 3.6: Analysis of Results

Members of BOS noted the result analysis presented by the Chairperson for the A.Y.2017-18 and ratified the same.

Agenda 3.7: Any other item/s

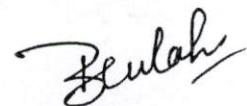
- Suggested to follow the competitive exams pattern partially in preparation
Suggested to include latest editions of text books for the Courses.
- Suggested to include labs for the courses like Cloud Computing, IOT, Neural Networks and Machine Learning.
- Suggested to Remove why, what and from the syllabus.
- Advised to teach beyond the course content by discussing need and applications of topics in industry.
- Suggested to increase the number of courses which focusing on employability and soft skills to gain more opportunities for the students.
- Suggested to fix no of hours for subject to teach as 48 to 54 hrs and for electives 44-48 hrs.

Agenda 3.8: Scheduling of the next BOS meeting.

The next BOS meeting is tentatively scheduled in the month of April/May 2019.

Agenda 3.9: Vote of Thanks

The Chairperson presented the Vote of Thanks.



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

List of New Courses in the Academic Year 2018-2019

S. No	Program	Semester	Course Code	Course Name
1	MCA	IV	173MC4E03	Cloud Computing
2	MCA	IV	173MC4E05	Artificial Intelligence
3	MCA	IV	173MC4L10	Advanced Java & Web
4	MCA	V	MC1651	Big Data Analytics
5	MCA	V	MC1653	Python Programming
6	MCA	V	MC165A	Big Data Analytics Lab
7	MCA	V	MC165C	Python Programming Lab

BOS Chairperson

Head of the Department

Department of MCA

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Annexure-II

Action Taken Report on Stakeholders Feedback in the Academic Year

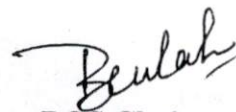
2018-2019

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	3.3	Prepare syllabus for Database Management Systems, Mobile Computing, Artificial Intelligence etc., as per Industry Standards	As per the suggestion given by the employer and alumni syllabus was revised and prepared as per industry standards.
2	3.3	Improve the Communication skill of students	As per the suggestion Seminar course is introduced to develop the presentation and communication skills of the student.
3	3.7	Suggestion to conduct group activities for the students	Group discussions are being conducted to impart teamwork among students
4	3.7	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. Every student should complete one Mini project.
5	3.7	Training session are needed for students to become more employable	Career guidance and placement programs are included in the course
6	3.4	Suggested to include competitive based examinations for aptitude and technical skill development	Conducted training sessions and tests to assess the student performance
7	3.4	Improvement required in the communication skills.	Training and placement classes (Communication classes) are started to improve communication of the students.
8	3.4	Personality development training	Training and placement classes (Personality

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			development classes) are started.
9	3.4	Students are to be involved in developing the projects that are benefiting the society	Encouraged to do the projects that are beneficial to the society
10	3.3	Syllabus should design practical based approach. And more weight ages should be given to project.	Providing advanced technology training to students, it helps to develop mini and main project.
11	3.3	Interactive based learning with visual presentation is needed	Classes are handled by video conferencing and smart classroom
12	3.3	Recent technology-based courses are needed	As per suggestions included Cloud computing, Block chain Technologies and IOT


 BOS Chairperson
 Head of the
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