



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 2017-2018

S.NO.	Semester	Course Code	Course Name	% of content revised for the existing year
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	MC1631	DATA BASE MANAGEMENT SYSTEMS	0
18	3	MC1632	COMPUTER NETWORKS	0
19	3	MC1633	UNIX PROGRAMMING	0
20	3	MC1634	MANAGEMENT INFORMATION SYSTEM	0
21	3	MC1635	DESIGN AND ANALYSIS OF ALGORITHMS	0
22	3	MC1636	DATA BASE MANAGEMENT SYSTEMS LAB	0
23	3	MC1637	UNIX PROGRAMMING LAB	0
24	3	MC1638	COMPUTER NETWORKS LAB	100
25	4	MC1641	OBJECT ORIENTED ANALYSIS AND DESIGN	100
26	4	MC1642	ADVANCED JAVA & WEB TECHNOLOGIES	0
27	4	MC1643	DATA WAREHOUSING AND MINING	0
28	4	MC1644	MOBILE COMPUTING	0
29	4	MC1645	HUMAN COMPUTER INTERACTION	0
30	4	MC1646	CLOUD COMPUTING	100

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S.NO.	Semester	Course Code	Course Name	% of content revised for the existing year
31	4	MC1647	SOFTWARE PROJECT MANAGEMENT	100
32	4	MC1648	ARTIFICIAL INTELLIGENCE	0
33	4	MC1649	EMBEDDED SYSTEMS	100
34	4	MC164A	ADVANCED JAVA & WEB TECHNOLOGIES LAB	0
35	4	MC164B	DATA WAREHOUSING AND MINING LAB	0
36	4	MC164C	OBJECT ORIENTED ANALYSIS AND DESIGN LAB	100
37	5	MC1651	INFORMATION SECURITY	0
38	5	MC1652	NETWORK PROGRAMMING	0
39	5	MC1641	OBJECT ORIENTED ANALYSIS AND DESIGN (USING UML	0
40	5	MC165D	ANIMATION & GAMING	0
41	5	MC1655	COMPUTER FORENSICS	0
42	5	MC1656	E-COMMERCE	0
43	5	MC1657	MIDDLE WARE TECHNOLOGIES	0
44	5	MC1658	MULTIMEDIA APPLICATION DEVELOPMENT	0
45	5	MC1659	SOFTWARE PROJECT MANAGEMENT	0
46	5	MC164C	UML LAB	0
47	5	MC165B	NETWORK PROGRAMMING LAB	0
48	6	MC13R01	PROJECT SEMINAR	0
49	6	MC13P01	DISSERTATION/ THESIS	0

Total number of courses in the academic year 2017-2018	= 49
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2017-2018	= 6
Percentage of syllabus revision carried out in the academic year 2017-2018 = $(6/49)*100$	= 12.24

T. Satya
Program Coordinator

Benuh
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: 01/06/2017

Minutes of the 1st Meeting of BOS Scheduled on 29/05/2017

The I meeting of the BOS of Master of Computer Applications Department was held on 29-05-2017 at 09.30 AM.

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

Agenda 1.1: Welcome address by Chairperson-BOS.

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

Agenda 1.2: Discussion and ratification of the Vision and Mission of the department and Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) of the Programs under the Department.

The Chairperson presented the Vision and Mission of the department and Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) of the Programs under the Department and the BOS members have ratified the same.

Agenda 1.3: Discussion on proposed AR17 Program Structures of MCA, and ratification of the same.

The members of BOS suggested the following changes to the proposed MCA AR17 course structure:

- Suggested to move Java Programming to II semester.
- Suggested to design Java Lab programs as per the industry standards.
- Recommended to include IOT as an elective in V semester.

The members of BOS discussed about the The Percentage of new courses introduced in the academic year 2017-2018 for MCA is 18.37%. The list of new courses is enclosed as Annexure-I.

The members of BOS discussed about the courses focusing on entrepreneurship skills and the members ratified the same.

Agenda 1.4: Discussion on proposed AR17 MCA program I & II semesters syllabus and ratification of the same.

The members of BOS ratified the AR17 MCA program I & II semesters syllabus.

Agenda 1.5: Ratification of the proposed model question papers for sessional and external examinations of AR17 MCA programme.


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Members of BOS ratified the proposed model question papers for sessional and external examinations of MCA programmes.

Agenda 1.6: Finalization of Experts from reputed institutions for setting question paper and valuation of answer scripts.

Members of BOS ratified the Experts from reputed institutions for setting question paper and valuation of answer scripts.

Agenda 1.7: Analysis of Results

Members of BOS noted the result analysis presented by the Chairperson for the A.Y.2016-17 and ratified the same.

Agenda 1.8: 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 1.9: 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.

Agenda 1.10: Any other item/s

- Suggested to increase credits for Main Project and the same is approved.
- Suggested to prepare syllabus of HCI, E-Commerce, and Operating Systems as per Industry Standards.
- Suggested to appoint an Internal Department Co-Ordinator for checking the quality of Question papers.
- Suggested to utilize faculty who were expertized in domains like Data mining, Networks etc. during project reviews so that quality output of projects can be obtained.
- Suggested to provide internal choice for MOOCS, NPTEL, Coursera etc., so that student can choose a particular course, complete it and get the Certificate.
- Suggested to increase the number of open electives in the program structure to gain more knowledge related to emerging technologies.

Agenda 1.11: Scheduling of the next BOS meeting.

The next BOS meeting is tentatively scheduled in the month of November/ December 2017.

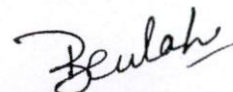
Agenda 1.12: Vote of Thanks

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 2017-2018

S. No	Program	Semester	Course Code	Course Name
1	MCA	I	173MC1L01	English Language Communication skill
2	MCA	I	173MC1L03	Statistics With R Programming Lab
3	MCA	I	173MC1T04	Statistics With R Programming
4	MCA	II	173MC2L06	Operating System & Computer Graphics
5	MCA	III	MC1634	Management Information Systems
6	MCA	IV	MC1641	Object Oriented Analysis and Design
7	MCA	IV	MC1646	Cloud Computing
8	MCA	IV	MC164C	Object Oriented Analysis and Design
9	MCA	V	MC165D	Animation & Gaming

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 2017-2018

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	1.4	Effective Soft-skill training to be provided Ss	Industry Oriented exclusive Soft-skill trainer is appointed as a trainer. Communication Skill lab included in the Syllabus. The students are encouraged to present in seminar session.
2	1.3	Include Emerging technologies in the syllabus like Cloud Computing, Internet of Things, Python Programming, ...etc	As per the suggestion given by the employer and alumni Syllabus was revised, Open Elective I, II, III & IV are introduced, and emerging Cloud Computing, Internet of Things, and Computer Forensics are included in the syllabus.
3	1.3	Prepare the students with knowledge in E-Commerce and Operating Systems as per industry standards.	Included both the courses in the elective courses as per the suggestion.
4	1.4	In comparison with the syllabus Discrete Mathematical Structures & Graph Theory, it has a combination of Discrete Mathematical Structures and Graph Theory syllabus. If possible, reduce the syllabus.	As per the suggestions given by the alumni Discrete Mathematical Structures & Graph Theory syllabus has been reduced.
5	1.8	Requested to increase the credits for the project work	As per the suggestions the credits are increased for the benefit of student community.
6	1.8	Opportunities for the students can be developed by strong Alumni	Alumni meet is planned to conduct every year

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7	1.4	Improvement required in the Programming and communication skills.	English communication lab and C and R programming is being introduced in the I Semester.
8	1.3	Introduce more elective courses to provide a choice of subject to be chosen to support Choice Based Credit System	IV Semester onwards in every semester 4 professional elective courses are introduced.
9	1.10	E-content based learning can be implemented for improving the skills of students	Students are encouraged to take up the courses in MOOCs, NPTEL and Coursera e-learning platforms
10	1.4	Please design the curriculum in such a way that the students come across department related courses in the early semester itself. This helps the students in having an insight on Placement, and other competitive exams.	C Programming & Data Structures, Computer Organization subjects will be included in 1 st semester and Operating Systems, Software Engineering and Design Patterns, and Computer Graphics are included in 2 nd semester.
11	1.4	C Programming and Data structures can be separated into two courses to understand the concepts in better manner.	Taken into consideration and can be implemented in next regulation.
12	1.10	Provide to show cause the skills of the students globally and in developing research ideas	Students are encouraged to participate in international conferences and in submitting the journal papers

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BOS Chairperson

Head of the Department

Department of MCA

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