ANDHRA UNIVERSITY

PROGRAM PROJECT REPORT

Master of Computer Applications (M.C.A.)

School of Distance Education

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Master of Computer Applications (M.C.A.)

1. INFORMATION ON RELEVANCE OF PROGRAM :

Introduction:

Andhra University is offering M.C.A. program to provide students with a strong foundation in computer science and its applications, including programming languages, algorithms, data structures, database systems, software engineering, and computer networks.

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Objectives of the program:

1) To provide students with a deep understanding of emerging trends and technologies in computer science, and to enable them to adapt to these changes throughout their careers. To instill in students a commitment to ethical and socially responsible behavior in the use of technology.
2) Overall, the objective of MCA program is to provide students with a comprehensive education in computer science and its applications, and to prepare them for successful careers in the technology industry. The program emphasizes the development of technical skills, critical thinking abilities, and professional conduct, and provides students with opportunities to apply these skills in practical settings

2. **Program Duration:** 2 years (Max. period is 4 years)

3. INSTRUCTIONAL DESIGN

Eligibility & Admission Criteria:

Passed BCA / Bachelor degree in Computer Science Engg. Or B.Sc. / B.Com / BA with mathematics at 10+2 level and 50% marks (45% in case of candidates belonging to reserved category) in the qualifying exam.

Medium and Method of instruction:

The medium of instruction shall be English. The method of instruction shall comprise print and face to face interaction.

Course Material: Comprehensive printed course material, specially designed for self-study, shall be provided to every learner, Softcopy of the Self Learning Material (SLM) will be supplied to all the learners after confirmation of admission In addition to the course material, the learners are required to read suggested textbooks and articles published in journals.

Academic Counseling: Face-to-face classes or online classes are conducted at designated centres in all programs to enable the learners to have interaction with resource persons for clarification of doubts.

Examinations:

Each paper carries 70 marks end theory examinations and 30 marks internal assessment in the form of assignments. Exams are conducted at different affiliated colleges of the University by sending observers from University

Duration: The duration of each theory examination shall be three hours.

4. PROCEDURE OF EVALUATION

The theory papers of end examinations will be evaluated by different faculty members drawn from University and affiliated colleges.

Internal Evaluation:

Internal evaluation shall be made on the evaluation of the assignments submitted by the learners for 30 marks.

Grading System

S. No.	Range of marks %	Grade	Grade Points	
1	>90 <= 100	O	10	Outstanding
2	>80 <= 90	A^+	9	Excellent
3	>70 <= 80	A	8	Very Good
4	>60 <= 70	B^+	7	Good
5	>55 <= 60	B	6	Above Average
6	>50 <= 55	C	5	Average
7	>40 <= 50	P	4	Pass
8	< 40	F	0	Fail

Reappearance:

A learner who has failed in any theory paper of any year shall have to reappear for the examination

of that course in the following end examinations.

Betterment:

1. Learners who have passed in all the courses of a program and who have obtained a Pass or Second Class are eligible for attempting for Betterment of Grades.
2. Learners who have already secured a First Class are not eligible for betterment of Grade.
3. Betterment of Grades is permitted only once and that too within two years of passing.
4. Learners can appear for betterment of all papers in a year.
5. New Marks list / Provisional Certificate shall be issued to candidates who have improved their Class aftersubmitting the old Marks List/Provisional Certificate only.

5. Eligibility for the Award of Master of Computer Applications (M.C.A.) Degree:

Duration of the program:

The course of study for M.C.A. Program through Distance Learning shall be extended over aperiod of two academic years. However, a learner may complete the program in not more than four years including the study period.

A learner shall be eligible for the award of M.C.A., if he/she fulfils the following conditions.

- Registered and successfully completed all the courses.
- Successfully acquired the minimum required marks as specified in the curriculum.
- The learners should not have any dues to the University, and
- No disciplinary action is pending against the learner.

6. GENERAL INSTRUCTIONS:

The academic regulations should be read as a whole for purpose of any interpretation.

- In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice Chancellor is final.
- The University may change or amend the academic regulations, scheme of instructions and syllabus at any time and the changes and amendments made shall be applicable to all the learners with effect from a date notified by the University.

7. **FEE STRUCTURE:** Rs. 15,000/- (tuition fee) per Semester

8. COURSE STRUCTURE:

Semester I **Semester II**

Paper	Paper	Credits
101	Operating Systems	4
102	Computer Organization	4
103	Data Warehousing & Data Mining	4
104	Object Oriented Programming	4
105	Artificial Intelligence	4
	Credits	20

Paper	Paper	Credits
201	Web Technologies	4
202	Probability, Statistics & Queuing Theory	4
203	Data Structures	4
204	Data Structures Lab	4
205	Web Technologies Lab	4
	Credits	20

Semester III

Paper	Paper	Credits
301	Data communication & Networks	4
302	Object Oriented Software Engineering	4
303	Data Base management Systems	4
304	Data Base Management Systems Lab	4
305	Data communication & Networking Lab	4
	Credits	20

Semester IV

Paper	Paper	Credits
401	Python Programming	4
402	Network Security	4
403	Python Programming Lab	4
404	Project Work	4
405	Viva-voce	4
	Credits	20

Total Credits : 80