MANGALAYATAN UNIVERSITY
ONLINE

NAAC GRADE A+
Accredited University

Directorate of Distance
& ONLINE EDUCATION

MASTER OF COMPUTER
APPLICATIONS

MCA
2023-24

UGC ENTITLED

AICTE APPROVED

MEMBER OF AIU

Introduction

The Masters in Computer Applications (MCA) Programme through online mode is a 2-year postgraduate degree programme that focuses on knowledge of the basics of Information technology. The degree helps interested students in setting up a sound academic base for an advanced career in information technology field. Its aim and scope is very focused in its approach to preparing a student for higher education as well as for competitive exams. It also provides a sound platform to the students with the requisite background to proceed with confidence for higher studies in the form of PhD etc. IT and Telecom industries are the major recruiters in the field.

Programme's Mission and Objectives

Mission:
- To provide an intensive, practically oriented programme.
- To provide computer education to learners comes from ruler and tribal background through quality education and strengthen the young talent by enhancing their skills to establish themselves in society.
- To provide an opportunity for graduates of non computing courses to develop key specialist skill for a career in computing.
- To complementing your expertise with core computing skills.

Objectives:
- To provide opportunities to learners of ruler and tribal background to establish themselves in competitive environment through their skills in information technology.
- To develop positive attitude to learners and motivate them by exploring new domain of knowledge.
- To provide an opportunity for graduates of non-computing courses to develop key specialist skill for a career in computing.
- To prepare graduate learner for productive careers in the software industry and academic by providing an outstanding environment for teaching in the core and emerging areas of the discipline.

Instructional Design

The program is divided into four semesters and minimum credit requirement is 104 to get MCA degree through OL mode from Mangalayatan University. Minimum time period for acquiring MCA degree will be two years and maximum time (extended) period is four years.

S.No.	Course Code	Course	Credit	Internal	External	Subject Total
		SEMESTER - I				
		Theory		MAX	MAX	
1	MCA-6101	Professional Communication	4	30	70	100
2	MCA-6102	Accounting & Finance Management	4	30	70	100
3	MCA-6103	Computer Concepts and Programming in 'C'	4	30	70	100
4	MCA-6104	Discrete Mathematics	4	30	70	100
5	MCA-6105	Computer Organization	4	30	70	100
		Practical				
1	MCA-6151	Programming Lab	2	30	70	100
2	MCA-6152	Numerical Techniques Lab	2	30	70	100
TOTAL			24	210	490	700
		Semester Credit	24			

S.No.	Course Code	Course	Credit	Internal	External	Subject Total
		SEMESTER - II				
		Theory		MAX	MAX	
1	MCA-6201	Data & File Structure Using 'C'	4	30	70	100
2	MCA-6202	UNIX &Shell Programming	4	30	70	100
3	MCA-6203	Computer Architecture & Microprocessor	4	30	70	100
4	MCA-6204	System Analysis & Design	4	30	70	100
5	MCA-6205	Combinatorics & Graph Theory	4	30	70	100
		Practical				
1	MCA-6251	Data Structure Lab	2	30	70	100
2	MCA-6252	UNIX/ LINUX Lab	2	30	70	100
3	MCA-6253	Microprocessor Lab	2	30	70	100
TOTAL			26	240	560	800
		Semester Credit	26			

SEMESTER - III

S.No.	Course Code	Course	Credit	Internal	External	Subject Total
		Theory		MAX	MAX	
1	MCA-7101	Computer Networks	4	30	70	100
2	MCA-7102	Design & Analysis of Algorithms	4	30	70	100
3	MCA-7103	Operating System	4	30	70	100
4	MCA-7104	Database Management System	4	30	70	100
5	MCA-7103	Object Oriented system & C++	4	30	70	100
		Practical				
1	MCA-7151	DBMS Lab	2	30	70	100
2	MCA-7152	OOPS&C++ Lab	2	30	70	100
3	MCA-7153	Design & Analysis of Algorithms Lab	2	30	70	100
TOTAL			26	240	560	800
		Semester Credit	26			

SEMESTER - IV

S.No.	Course Code	Course	Credit	Internal	External	Subject Total
		Theory		MAX	MAX	
1	MCA-7201	Management Information system	4	30	70	100
2	MCA-7202	Internet & Java Programming	4	30	70	100
3	MCA-7203	Computer Graphics & Animation	4	30	70	100
4	MCA-7204	Soft Computing Techniques	4	30	70	100
5	MCA-7205	Web technology	4	30	70	100
		Practical				
1	MCA-7251	Graphics Lab	2	30	70	100
2	MCA-7252	JavaProgramming Lab	2	30	70	100
3	MCT-7251	IndustrialTraining cum Project/ Entrepreneurship Training cum Project	4	30	70	100
TOTAL			28	240	560	800
		Semester Credit	28			

Syllabi and Course Materials

Syllabi, PPR and self-learning materials are developed mostly by experienced faculty members of Mangalayatan University in consultation with contents experts and the same will be forwarded to CIQA and Board of Studies/Academic Council/ Executive Council for further suggestions and approval.

Study Material

The study material in digital format (e – content) of the programme shall be supplied to the students unit - wise for every course.

Video Lectures

The Video lectures as prescribed by the UGC Regulation shall be made available on the LMS portal of the University.

Online Counselling Sessions

The online counselling sessions shall be scheduled beforehand by the Subject Coordinator and informed to the learners. There shall be 6 online counselling sessions / contact classes of 2 hours each for a 4 credit course, held on Saturdays and Sundays. In case of 2 credits course there shall be 4 sessions of 2 hours each and in case of 6 credits course there shall be 8 sessions of 2 hours each.
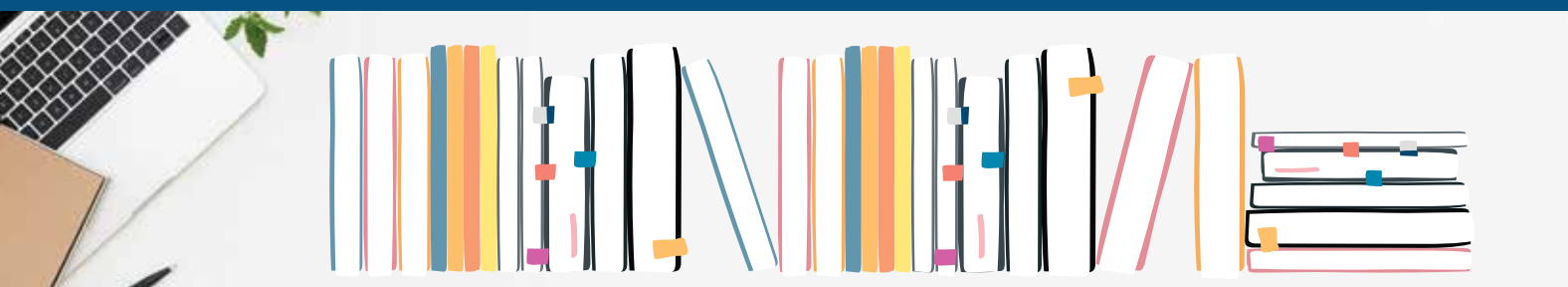
Medium of Instruction

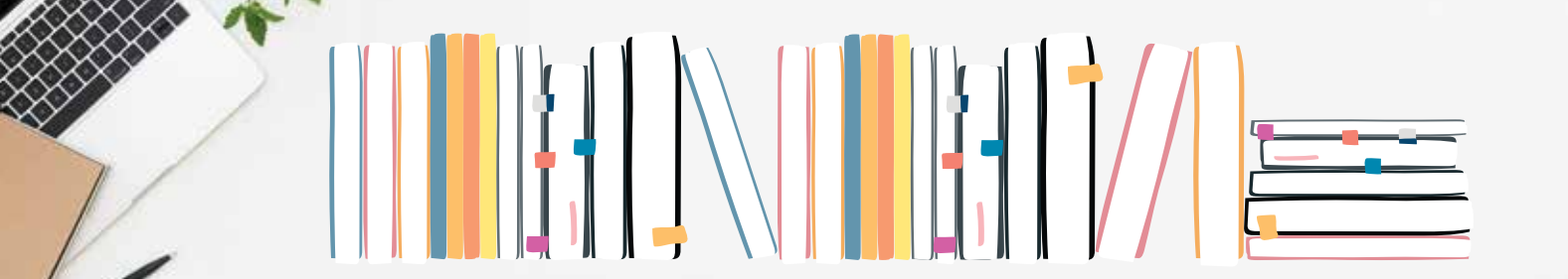Medium of Course Instruction: English
Medium of Examination: English

Student Support Systems

The university will appoint programme coordinators, course coordinator and course mentors to facilitate the learners in their learning.

Finally, The university has made appropriate arrangements for various support services including online counselling and resource-oriented-services, evaluation methods for both on and off line modes for easy and smooth services to the students' through online mode.

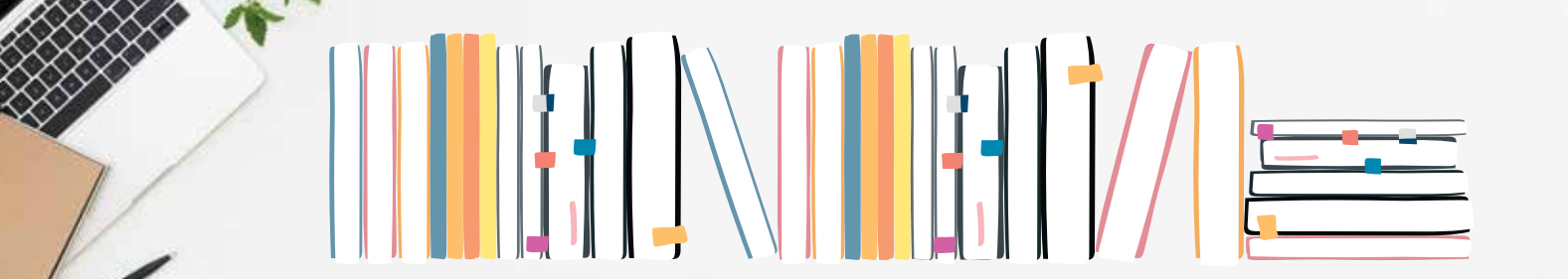# Procedure for Admissions, Curriculum, Transaction and Evaluation

FEE STRUCTURE

Name of the Program	Degree	Duration	One Time Reg. Fee	Semester Fee	Exam Fee Per Semester	Full Year Fee	Total Fees
Master of Computer Applications (MCA)	PG	2 Years	1000	15000	1500	34000	67000
Total							67000

ACTIVITY SCHEDULE

S.NO.	Name of the Activity	Tentative months schedule (specify months) during year			
		From(Month)	To (Month)	From(Month)	To (Month)
1	Admission	Jul	Sep	Jan	Mar
2	Assignment submission (if any)	Sep	Oct	Mar	Apr
3	Evaluation of Assignment	Oct	Nov	Apr	May
4	Examination	Dec	Dec	Jun	Jun
5	Declaration of Result	Jan	Jan	Jul	Jul
6	Re-registration	Jul	Jul	Jan	Jan
7	Distribution of SLM	Jul	Sep	Jan	Mar
8	Contact Programmes (counselling, Practicals.etc.)	Sep	Nov	Mar	May

CREDIT SYSTEM

Duration of the Programme	Credits	Name of the Programme	Level of the Programme
2 to 4 Yrs	104	MCA	Master's Degree

Why Online Education?

- Comfortable and Flexible.
- Convenience of attending classes from home.
- Cost Effective.
- Time saving.
- No commuting.
- Monetary benefits- No textbooks required.
- Repeated access to the same lecture.
- Study anytime, anywhere.
- Write proctored exam from home

Admission Process

- Register with Mangalayatan Online Programs
- Pay Registration fees through our available payment gateways
- Upload relevant documents and mark sheets
- Get provisional admission
- Pay semester fees
- Get admission confirmation from University
- Roll number allotted to every student
- LMS id and password creation.

MANGALAYATAN
UNIVERSITY
ONLINE

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