MANGALAYATAN UNIVERSITY
ONLINE

Directorate of Distance & **ONLINE EDUCATION**

BACHELOR OF COMPUTER

APPLICATIONS

BCA
2023-24

A+ NAAC
ACCREDITED WITH GRADE

UGC ENTITLED

AICTE APPROVED

MEMBER OF AIU

More information call us

📱⟩ **07969 662 570**

www.muonline.ac.in

Introduction

The Bachelor of Computer Applications (BCA) Programme through online mode is a 3-year undergraduate degree programme that focuses on knowledge of the basics of computer application and software development. A BCA degree is considered to be at par with a B. Tech / BE degree in Computer Science or Information Technology.

The degree helps interested students in setting up a sound academic base for an advanced career in Computer Applications. 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 MCA, M.Sc. (IT) etc. Increasing numbers of students have become interested in BCA program, due to availability of jobs in government sector (through competitive exams) and making careers in higher education.
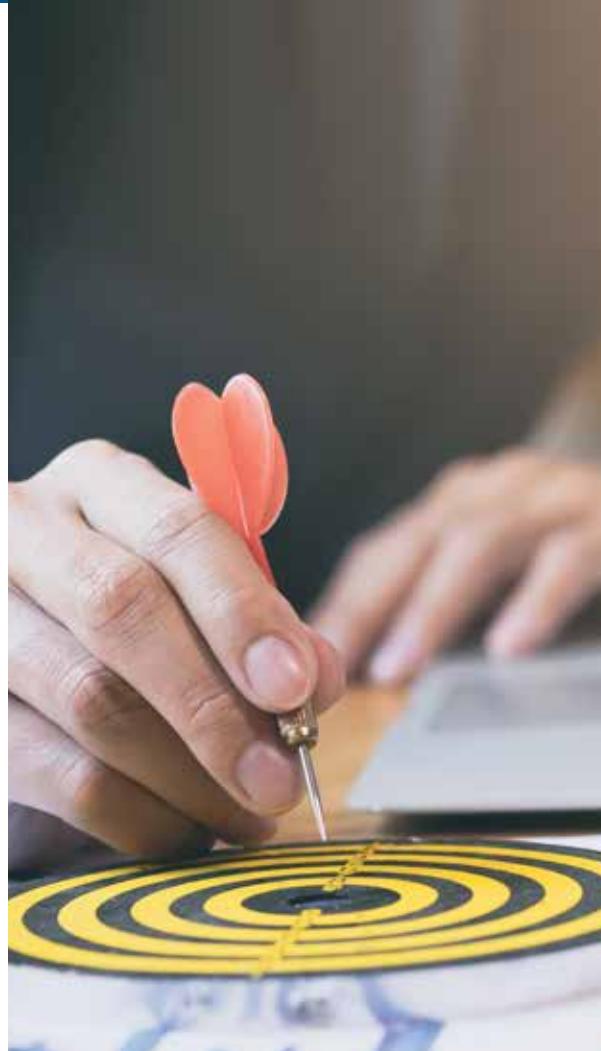
Programme's Mission and Objectives

Mission:
- To cater and ensure excellent theoretical and practical training through teaching, counseling, and mentoring with a view to achieve professional and academic excellence.
- To connect with industry and incorporating knowledge for research enhancement.
- To generate, disseminate and preserve knowledge for the benefit and betterment of society.

Objectives:
- To educate and train individuals to be well prepared for higher education.
- To be able to engage independent and life-long learning.
- To develop professionally that ensures existence in the competitive world.

Instructional Design

The program is divided into six semesters and minimum credit requirement is 120 to get BCA degree through OL mode from Mangalayatan University. Minimum time period for acquiring BCA degree will be three years and maximum time (extended) period is six years.

		SEMESTER - I				
S.No.	Course Code	Course	Credit	Internal	External	Subject Total
		Theory		MAX	MAX	
1	BCA –101	Mathematics-I	4	30	70	100
2	BCA –102	Computer Fundamental & Office Automation	4	30	70	100
3	BCA –103	Programming principles and Algorithms	4	30	70	100
4	AEC-101	English Communication-I	4	30	70	100
5	BCA-152	Programming & Algorithms Lab	2	0	100	100
6	BCA-151	MS Office Lab	2	0	100	100
TOTAL			20	120	480	600

		SEMESTER - II				
S.No.	Course Code	Course	Credit	Internal	External	Subject Total
		Theory		MAX	MAX	
1	BCA–201	Mathematics-II	4	30	70	100
2	BCA–202	Database Management	4	30	70	100
3	BCA–203	'C' Programming	4	30	70	100
4	AEC-201	English Communication-II	4	30	70	100
5	BCA-251	DBMS Lab	2	0	100	100
6	BCA-252	C-Programming Lab	2	0	100	100
TOTAL			20	120	480	600

SEMESTER - III

S.No.	Course Code	Course	Credit	Internal	External	Subject Total
		Theory		MAX	MAX	
1	BCA –301	Discrete mathematics	4	30	70	100
2	BCA –302	Operating System	4	30	70	100
3	BCA –303	Data Structure with Programming in 'C'	4	30	70	100
4	BCA –304	Computer hardware technology & installation	4	0	100	100
5	BCA-352	Operating Systems Lab	2	0	100	100
6	BCA-351	Data Structure with Programming in 'C' Lab	2	0	100	100
TOTAL			20	90	510	600

SEMESTER - IV

S.No.	Course Code	Course	Credit	Internal	External	Subject Total
		Theory		MAX	MAX	
1	BCA-401	Computer Communication Networks	4	30	70	100
2	BCA-402	Computer Graphics & Multimedia Applications	4	30	70	100
3	BCA-403	Object Oriented Programming & C++	4	30	70	100
4	BCA-404	Designing with corel draw and photoshop	4	30	70	100
5	BCA-451	Graphics Lab	2	0	100	100
6	BCA-452	C++ Lab	2	0	100	100
TOTAL			20	120	480	600

SEMESTER - V						
S.No.	Course Code	Course	Credit	Internal	External	Subject Total
		Theory		MAX	MAX	
1	BCA-501	Java Programming & Dynamic Webpage Design	4	30	70	100
2	BCA-502	Information system: Analysis design & Implement	4	30	70	100
3	BCA-503	Web Designing	4	30	70	100
4	BCA-504	Software testing methodologies	4	30	70	100
5	BCA-551	Java Programming Lab	2	0	100	100
6	BCA-553	Web Designing Lab	2	0	100	100
TOTAL			20	120	480	600

SEMESTER - VI						
S.No.	Course Code	Course	Credit	Internal	External	Subject Total
		Theory		MAX	MAX	
1	BCA-601	Mobile Computing	4	30	70	100
2	BCA-602	Web Technology & Cyber Security	4	30	70	100
3	BCA-603	Software Engineering	4	30	70	100
4	BCA-653	Software Engineering Lab	2	0	100	100
5	BCA-652	Web Technology Lab	2	0	100	100
6	BCA-6P1	Project Viva -Voce	4	0	100	100
TOTAL			20	90	510	600

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
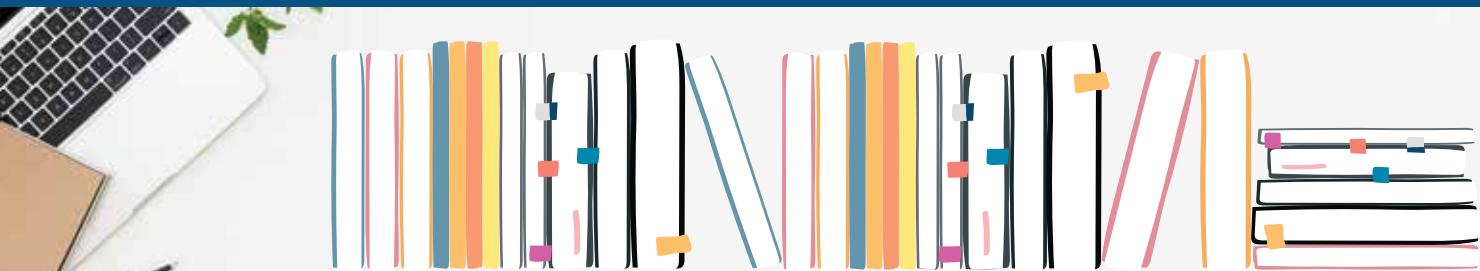
Student Support Systems

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
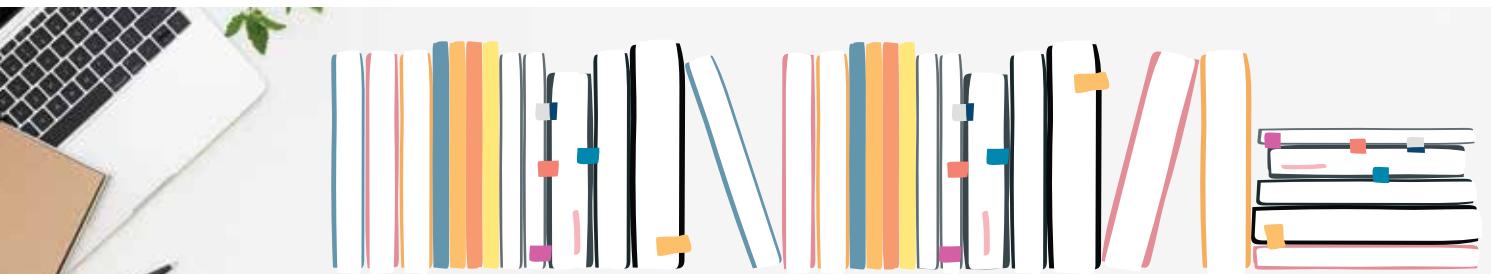
Name of the Program	Degree	Duration	One Time Reg. Fee	Semester Fee	Exam Fee Per Semester	Full Year Fee	Total Fees
Bachelor of Computer Applications (BCA)	UG	3 Years	1000	10000	1500	23000	70000
Total							70000
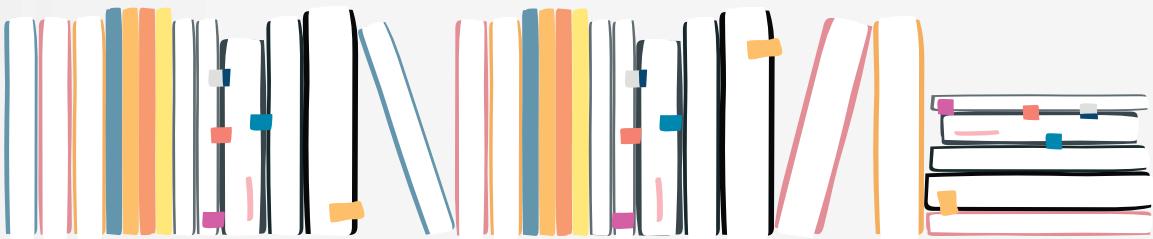
ACTIVITY SCHEDULE

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
3 to 6 Yrs	120	BCA	Bachelor's Degree

BENEFITS

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

CAMPUS: Extended NCR, 33rd Milestone, Mathura-Aligarh HIghway, Beswan, Aligarh (U.P.) - 202 146. (India)

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