DIRECTORATE OF
DISTANCE & ONLINE
EDUCATION

BACHELOR OF COMPUTER APPLICATIONS

COURSE BROCHURE
2025-26

NAAC GRADE A+

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 competitive exams. It also provides a sound platform to the students with 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.

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 in 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.

S.No.	Course Code	Course	Credit	Internal	External	Subject Total
SEMESTER - I						
		Theory		MAX	MAX	
1	CSB-1111	Management Info. System	4	30	70	100
2	CSB-1112	Problem solving through 'C'	2	30	70	100
3	CSB-1113	Mathematics-I	4	30	70	100
4	CSB-1114	Financial Accounting	4	30	70	100
5	ENB-1101	English Communication	2	30	70	100
6	CSB-1101	Computer Fundamental & Office Automation	2	30	70	100
7	CSB-1151	Problem solving through 'C' Lab	2	30	70	100
TOTAL			**20**	**210**	**490**	**700**

S.No.	Course Code	Course	Credit	Internal	External	Subject Total
SEMESTER - II						
		Theory		MAX	MAX	
1	CSB-1211	System Analysis & Design	4	30	70	100
2	CSB-1212	C++ & Data Structure	4	30	70	100
3	CSB-1213	Ordinary Differential Equations	4	30	70	100
4	CSB-1214	Fundamentals of Electronics	4	30	70	100
5	ENB-1201	Creative Writing	2	30	70	100
6	SEC-1201	Reasoning	2	30	70	100
7	CSB-1251	C++ & Data Structure Lab	2	30	70	100
TOTAL			**22**	**210**	**490**	**700**

		SEMESTER - III				
S.No.	Course Code	Course	Credit	Internal	External	Subject Total
		Theory		MAX	MAX	
1	CSB-2111	Computer Organization	4	30	70	100
2	CSB-2112	Operating System	2	30	70	100
3	CSB-2113	Integral Calculus	4	30	70	100
4	ENB-2101	Personality Development	2	30	70	100
5	VAC-2101	Environmental Education	3	30	70	100
6	CSB-2114	Computer Based Numerical Methods	3	30	70	100
7	CSB-2151	Operating System Lab	2	30	70	100
TOTAL			20	210	490	700

		SEMESTER - IV				
S.No.	Course Code	Course	Credit	Internal	External	Subject Total
		Theory		MAX	MAX	
1	CSB-2211	Analysis and Design of Algorithms	4	30	70	100
2	CSB-2212	Object Oriented Programming with Java	2	30	70	100
3	CSB-2213	Matrix Theory	4	30	70	100
4	CSB-2214	Database Mgmt. System	3	30	70	100
5	ENB-2201	Basic Knowledge of Eng.	2	30	70	100
6	VAC-2201	Understanding India	3	30	70	100
7	CSB-2251	Object Oriented Programming with Java Lab	2	30	70	100
TOTAL			20	210	510	700

		SEMESTER - V				
S.No.	Course Code	Course	Credit	Internal	External	Subject Total
		Theory		MAX	MAX	
1	CSB-3111	Software Engineering	4	30	70	100
2	CSB-3112	Computer Networks	4	30	70	100
3	CSB-3113	Theory of Computation	4	30	70	100
4	CSB-3114	Perspective of Physics	3	30	70	100
5	CSB-3115	Basic Abstract & Linear Algebra	3	30	70	100
6	CSB-3151	Software Engineering Lab	2	30	70	100
TOTAL			20	180	420	600

SEMESTER - VI						
S.No.	Course Code	Course	Credit	Internal	External	Subject Total
		Theory		MAX	MAX	
1	CSB-3211	IoT & Cloud Computing	4	30	70	100
2	CSB-3212	Machine Learning Using Python	4	30	70	100
3	CSB-3213	Discrete Mathematics	4	30	70	100
4	CSB-3214	Concepts of Physics	3	30	70	100
5	CSB-3251	Machine Learning Using Python Lab	2	30	70	100
6	CSB-3291	Internship	3	30	70	100
TOTAL			20	180	420	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 1 hours each for a 4 credit course, held on Saturdays and Sundays. In case of 2 credits course there shall be 4 sessions of 1 hours each and in case of 6 credits course there shall be 8 sessions of 1 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	24000	70000
Total							70000

Mangalayatan ONLINE

ACTIVITY SCHEDULE					
		Tentative months schedule (specify months) during year			
S.NO.	Name of the Activity	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

* These dates are tentative. Final dates will be informed well in advance on your LMS.

CREDIT SYSTEM			
Duration of the Programme	Credits	Name of the Programme	Level of the Programme
3 to 6 Yrs	120	BCA	Bachelor'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.

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Contact Us

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