

Bachelor of Computer Applications (BCA - Regular) (044)

The Programme - Bachelor of Computer Applications - aims to provide strong knowledge of computer fundamentals, programming basics, logical and numerical methods, networking and internet, database and applications packages.

Course Objectives

- To disseminate the advance knowledge in Information Technology.
- To develop core competencies in Computer Applications.
- To create efficient professionals in IT industries.

Eligibility : 12th passed with minimum 55% marks or its equivalent & Clearance in the Entrance examination (MHB-CET/TMV CET)

Duration : 3 years + 1 years (Hon.) (Eight Semesters)

Student Intake : 60

Fee Structure for the academic year 2025-26 :

Academic Year	Eligibility	Admission	Examination	Tuition	Laboratory / Practical	Library	Other/ Transpor	Total
First Year	1,000	2,000	3,000	40,000	20,500	500	-	67,000
Second Year	-	2,000	3,000	44,000	20,500	500	-	70,000
Third Year	-	2,000	3,000	47,000	20,500	500	-	73,000
Honours	-	2,000	3,000	50,000	20,500	500	-	76,000
Dir.2 nd Yr	1,000	2,000	3,000	44,000	20,500	500	-	71,000

Library Deposit 2000/-

Caution Deposit 5000/-

Late admission fee 1500/- after 16th Aug. 2025

- Opportunities at exit point** :
- 1) In IT as a Software Professional
 - 2) Software / Hardware / Technical Support in Multi-National Companies
 - 3) Can run own Business for Hardware/Technical support
 - 4) In Teaching Field
 - 5) As Web Designer / Developer
 - 6) Software Testing
 - 7) Higher Education - MCA / MSC / MBA / Other PG Qualification

COURSE STRUCTURE

As per U.G.C. norms Choice Based Credit System is implemented from the academic year 2015-16
Details are available with the department.

FIRST YEAR

Semester - I

Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
			Theory	Practical	External	Internal	External	Internal	
BCA23-101	C Programming	Core	3	-	60	40	-	-	100
BCA23-102	Mathematics	Core	4	-	60	40	-	-	100
BCA23-103	Computer & Network Fundamentals	DSC	3	-	60	40	-	-	100
BCA23-104	Operating System	DSC	3	-	60	40	-	-	100
BCA23-105	English	AECC	2	-	30	20	-	-	50
OR	OR								
BCA23-109	Japanese - I								
VAC105	Nitishataka Purvardha (Marathi)	Open Elective	2	-	-	50	-	-	50
OR	OR								
VAC109	Gender Perspectives								
BCA23-107	Logic Development	DSC	2	-	-	50	-	-	50
BCA23-108	C Programming (PR)	Core-LAB	-	1	-	-	30	20	50
		Total	20						600

Programme Details



Semester - II

Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
			Theory	Practical	External	Internal	External	Internal	
BCA23-201	Object Oriented Programming using C++	Core	3	-	60	40	-	-	100
BCA23-202	Statistics	Core	4	-	60	40	-	-	100
BCA23-203	Structured System Analysis and Design	DSC	3	-	60	40	-	-	100
BCA23-204	Principles and Practices of Management - I	Multi-disciplinary	3	-	60	40	-	-	100
BCA23-205	Communication Skills	AECC	2	-	30	20	-	-	50
BCA23-206 OR VAC207 OR VAC211	Yoga	Open Elective	-	2	-	-	30	20	50
	Nitishataka Uttarardha (Marathi)		2	-	-	50	-	-	
	Moral Values		2	-	-	50	-	-	
IKS24	Indian Knowledge System - Generic	IKS-Generic	2	-	-	50	-	-	50
BCA23-209	Object Oriented Programming using C++ (PR)	Core-Lab	-	1	-	-	30	20	50
Total			20						600

Programme Details



Semester - III

Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
			Theory	Practical	External	Internal	External	Internal	
BCA23-301	Advanced Web Designing	Core	3	-	60	40	-	-	100
BCA23-302	Database Management System (DBMS)	Core	3	-	60	40	-	-	100
BCA23-303	Environmental Studies	Value Added Course	4	-	-	100	-	-	100
BCA23-304	Principles and Practices of Management - II	Multidisciplinary	3	-	60	40	-	-	100
BCA23-305	Marathi	AECC	2	-	30	20	-	-	50
OR	OR								
BCA23-309	Japanese - II								
SEC301	Advanced Excel	Skill Enhancement Course	2	-	-	50	-	-	50
BCA23-307	Introduction to IoT	DSC	2	-	-	50	-	-	50
BCA23-308	Advanced Web Designing (PR)	Core-Lab	-	1	-	-	30	20	50
		Total	20						600

Semester - IV

Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
			Theory	Practical	External	Internal	External	Internal	
BCA23-401	Advanced Database Management System	Core	3	-	60	40	-	-	100
BCA23-402	Java Programming	Core	3	-	60	40	-	-	100
BCA23-403	Software Testing & Quality Assurance	DSC	3	-	60	40	-	-	100
BCA23-404	Unified Modeling Language(UML)	DSC	3	-	60	40	-	-	100
BCA23-410	Indian Knowledge System - Computer Science	IKS-DSC	2	-		50	-	-	50
BCA23-406	Soft Skills	Skill Enhancement Course	1	1		50			50
OR	OR						-	-	
VAC405	Content Writing & Technical Writing		2	-	30	20			
IDN201	Media Law	Value Added Course	2	-	-	50	-	-	50
BCA23-408	Java Programming (PR)	Core-Lab	-	1	-	-	30	20	50
BCA23-409	Advanced Database Management System (PR)	Core-Lab	-	1	-	-	30	20	50
		Total	20						650

Programme Details



Semester - V

Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
			Theory	Practical	External	Internal	External	Internal	
BCA23-501	Python Programming	Core	3	-	60	40	-	-	100
BCA23-502	Linux	Core	3	-	60	40	-	-	100
BCA23-503	C# Basics	DSC	2	-	-	50	-	-	50
BCA23-504	E-Commerce	Interdisciplinary	3	-	60	40	-	-	100
BCA23-505	Data Mining	DSC	2	-	-	50	-	-	50
BCA23-506	Business Applications	Interdisciplinary	2	-	30	20	-	-	50
BCA23-507	Management Information System	Multidisciplinary	3	-	60	40	-	-	100
BCA23-508	Python Programming (PR)	Core-Lab	-	1	-	-	30	20	50
BCA23-509	Linux (PR)	Core-Lab	-	1	-	-	30	20	50
		Total	20						650

Programme Details



Semester - VI

Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
			Theory	Practical	External	Internal	External	Internal	
BCA23-601	Advanced Java	Core	3	-	60	40	-	-	100
OR	OR								
BCA23-602	Android Application Development								
BCA23-603	Cloud Technology	DSC	3	-	60	40	-	-	100
BCA23-604	Project	Core	-	4	-	-	60	40	100
BCA23-605	Organizational Behavior	Interdisciplinary	2	-	30	20	-	-	50
SEC401	Digital Marketing	Skill Enhancement Course	2	-	-	50	-	-	50
BCA23-606	Internship	Internship	-	4	-	-	-	100	100
BCA23-607	Advanced Java (PR)	Core-Lab	-	1	-	-	30	20	50
OR	OR								
BCA23-608	Android Application Development (PR)								
BCA23-609	Cloud Technology (PR)	DSC-Lab	-	1	-	-	30	20	50
		Total	20						600

Semester - VII

Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
			Theory	Practical	External	Internal	External	Internal	
BCA23-701	Data Structure using python	Core	3	-	60	40	-	-	100
BCA23-702	Green Computing	DSC	3	-	60	40	-	-	100
BCA23-703	Discrete Mathematics	Core	3	-	60	40	-	-	100
BCA23-704	Advanced Linux & Shell Programming	DSC	3	-	60	40	-	-	100
BCA23-705	Software Engineering	DSC	3	-	60	40	-	-	100
BCA23-706	Research Methodology	DSC	4	-	60	40	-	-	100
BCA23-707	MOOC - I	MOOC	1	-	-	50	-	-	50
BCA23-708	Data Structure using python (PR)	Core-Lab	-	1	-	-	30	20	50
BCA23-709	Advanced Linux & Shell Programming (PR)	DSC-Lab	-	1	-	-	30	20	50
		Total	22						750

Semester - VIII

Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
			Theory	Practical	External	Internal	External	Internal	
BCA23-801	CTIT (Cyber Security + Intro. Block Chain)	Core	3	-	60	40	-	-	100
BCA23-802	Advanced Computer Network	DSC	3	-	60	40	-	-	100
BCA23-803	Django Web Framework	DSC	3	-	60	40	-	-	100
BCA23-804	Project	Core	-	6	-	-	120	80	200
BCA23-805	Internship	Internship	-	4	-	-	-	100	100
BCA23-806	MOOC - II	MOOC	2	-	-	100	-	-	100
BCA23-807	Django Web Framework (PR)	DSC-LAB	-	1	-	-	30	20	50
		Total	22						750