

COURSE STRUCTURE B. C. A. (REGULAR) (044)

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

Sr. No.	Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
				Theory	Practical	Internal	External	Internal	External	
1	BCA23-101	C Programming	Core	3	-	40	60	-	-	100
2	BCA23-102	Mathematics	Core	4	-	40	60	-	-	100
3	BCA23-103	Computer & Network Fundamentals	DSC	3	-	40	60	-	-	100
4	BCA23-104	Operating System	DSC	3	-	40	60	-	-	100
5	BCA23-105	English	AECC	2	-	20	30	-	-	50
	OR	OR								
	BCA23-109	Japanese - I								
6	VAC105	Nitishataka Purvardha (Marathi)	Open Elective	2	-	50				50
	OR	OR					-	-	-	
	VAC109	Gender Perspectives				50				
7	BCA23-107	Logic Development	DSC	2	-	50	-	-	-	50
8	BCA23-108	C Programming (PR)	Core-LAB	-	1	-	-	20	30	50
Total Courses 8				20		230	270	20	30	600

Programme Details



Semester - II

Sr. No.	Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
				Theory	Practical	Internal	External	Internal	External	
1	BCA23-201	Object Oriented Programming using C++	Core	3	-	40	60	-	-	100
2	BCA23-202	Statistics	Core	4	-	40	60	-	-	100
3	BCA23-203	Structured System Analysis and Design	DSC	3	-	40	60	-	-	100
4	BCA23-204	Principles and Practices of Management - I	Multi-disciplinary	3	-	40	60	-	-	100
5	BCA23-206	Yoga	Open Elective	-	2	-	-	20	30	50
	OR	OR								
	VAC207	Nitishataka Uttarardha (Marathi)		2	-	50	-	-	-	
	OR	OR								
	VAC110	Geeta Rahasya		2	-	50	-	-	-	
6	IKS24	Indian Knowledge System - Generic	IKS-Generic	2	-	50	-	-	-	50
7	BCA23-209	Object Oriented Programming using C++ (PR)	Core-LAB		1	-	-	20	30	50
8	BCA23-210	Marathi	AECC	2	-	20	30	-	-	50
	OR	OR								
	BCA23-211	Japanese - II								
Total Courses 8				20		230	270	20	30	600

Programme Details



Semester - III

Sr. No.	Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
				Theory	Practical	Internal	External	Internal	External	
1	BCA23-301	Advanced Web Designing	Core	3	-	40	60	-	-	100
2	BCA23-302	Database Management System (DBMS)	Core	3	-	40	60	-	-	100
3	BCA23-303	Environmental Studies	Value Added Course	4	-	100	-	-	-	100
4	BCA23-304	Principles and Practices of Management - II	Multi disciplinary	3	-	40	60	-	-	100
5	SEC301	Advanced Excel	Skill Enhancement Course	2	-	50	-	-	-	50
6	BCA23-307	Introduction to IoT	DSC	2	-	50	-	-	-	50
7	BCA23-308	Advanced Web Designing (PR)	Core-LAB	-	1	-	-	20	30	50
8	BCA23-310	Communication Skills	AECC	2	-	20	30	-	-	50
Total Courses 8				20		340	210	20	30	600

Programme Details



Semester - IV

Sr. No.	Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
				Theory	Practical	Internal	External	Internal	External	
1	BCA23-401	Advanced Database Management System	Core	3	-	40	60	-	-	100
2	BCA23-402	Java Programming	Core	3	-	40	60	-	-	100
3	BCA23-403	Software Testing & Quality Assurance	DSC	3	-	40	60	-	-	100
4	BCA23-404	Unified Modeling Language(UML)	DSC	3	-	40	60	-	-	100
5	BCA23-410	Indian Knowledge System - Computer Science	IKS-DSC	2	-	50	-	-	-	50
6	BCA23-406	Soft Skills	Skill Enhancement Course	2	-	20	30	-	-	50
	OR	OR								
	BCA23-405	Content Writing & Technical Writing		2		20	30			
7	IDN201	Media Law	Value Added Course	2	-	50	-	-	-	50
8	BCA23-408	Java Programming (PR)	Core-Lab	-	1	-	-	20	30	50
9	BCA23-409	Advanced Database Management System (PR)	Core-Lab	-	1	-	-	20	30	50
Total Courses 9				20		280	270	40	60	650

Programme Details



Semester - V

Sr. No.	Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
				Theory	Practical	Internal	External	Internal	External	
1	BCA23-501	Python Programming	Core	3	-	40	60	-	-	100
2	BCA23-502	Linux	Core	3	-	40	60	-	-	100
3	BCA23-503	C# Basics	DSC	2	-	50	-	-	-	50
4	BCA23-504	E-Commerce	Inter disciplinary	3	-	40	60	-	-	100
5	BCA23-505	Data Mining	DSC	2	-	50	-	-	-	50
6	BCA23-506	Business Applications	Inter disciplinary	2	-	20	30	-	-	50
7	BCA23-507	Management Information System	Multi disciplinary	3	-	40	60	-	-	100
8	BCA23-508	Python Programming (PR)	Core-Lab	-	1	-	-	20	30	50
9	BCA23-509	Linux (PR)	Core-Lab	-	1	-	-	20	30	50
Total Courses 9				20		280	270	40	60	650

Programme Details



Semester - VI

Sr. No.	Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
				Theory	Practical	Internal	External	Internal	External	
1	BCA23-601	Advanced Java	Core	3	-	40	60	-	-	100
	OR	OR								
	BCA23-602	Android Application Development								
2	BCA23-603	Cloud Technology	DSC	3	-	40	60	-	-	100
3	BCA23-604	Project	Core	-	4	-	-	40	60	100
4	BCA23-605	Organizational Behavior	Inter disciplinary	2	-	20	30	-	-	50
5	SEC401	Digital Marketing	Skill Enhancement Course	2	-	50	-	-	-	50
6	BCA23-606	Internship	Internship	-	4	-	-	100	-	100
7	BCA23-607	Advanced Java (PR)	Core-Lab	-	1	-	-	20	30	50
	OR	OR								
	BCA23-608	Android Application Development (PR)								
8	BCA23-609	Cloud Technology (PR)	DSC-Lab	-	1	-	-	20	30	50
Total Courses 8				20		150	150	180	120	600

Programme Details



Semester - VII

Sr. No.	Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
				Theory	Practical	Internal	External	Internal	External	
1	BCA23-701	Advanced C Programming and Data Structure	Core	3	-	40	60	-	-	100
2	BCA23-702	Green Computing	DSC	3	-	40	60	-	-	100
3	BCA23-703	Discrete Mathematics	Core	3	-	40	60	-	-	100
4	BCA23-704	Advanced Linux & Shell Programming	DSC	3	-	40	60	-	-	100
5	BCA23-705	Software Engineering	DSC	3	-	40	60	-	-	100
6	BCA23-706	Research Methodology	DSC	4	-	40	60	-	-	100
7	BCA23-707	MOOC - I	MOOC	1	-	50	-	-	-	50
8	BCA23-708	Advanced C Programming and Data Structure (PR)	Core-Lab	-	1	-	-	20	30	50
9	BCA23-709	Advanced Linux & Shell Programming (PR)	DSC-Lab	-	1	-	-	20	30	50
Total Courses 9				20		290	360	40	60	750

Programme Details



Semester - VIII

Sr. No.	Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
				Theory	Practical	Internal	External	Internal	External	
1	BCA23-801	CTIT (Cyber Security + Intro. Block Chain)	Core	3	-	40	60	-	-	100
2	BCA23-802	Advanced Computer Network	DSC	3	-	40	60	-	-	100
3	BCA23-808	Full Stack Development	DSC	3	-	40	60	-	-	100
4	BCA23-804	Project	Core	-	6	-	-	80	120	200
5	BCA23-805	Internship	Internship	-	4	-	-	100	-	100
6	BCA23-806	MOOC - II	MOOC	2	-	100	-	-	-	100
7	BCA23-809	Full Stack Development (PR)	DSC-LAB	-	1	-	-	20	30	50
Total Courses 7				20		220	180	200	150	750