

BCA Semester - I

Sr. No.	Subject - Type	Name of the subject	SUB Total CREDIT	Teaching scheme		Examination scheme			Total Marks
				(per week)		MID	External		
				Th.	Pr.	Th.	Th.	Pr.	
Part 1	Environment	Environmental Studies	2	2	0	15	35	0	50
	Language : English	Communication Skills	2	2	0	15	35	0	50
Part 2	Core Subject 1	Programming Paradigm with 'C'	4	4	0	30	70	0	100
	Core Subject 2	Internet Technology	4	4	0	30	70	0	100
	Core Subject 3	Digital Electronics	4	4	0	30	70	0	100
	Core Subject 1 : Practical	Office Automation and 'C'	2	0	4	15	0	35	50
	Core Subject 2 : Practical	Internet Technology	2	0	4	15	0	35	50
Part 3	Foundation Course*	Mathematics for Computer Science	2	2	0	15	35	0	50
	CC & EC*	NCC / NSS	2	0	4	50	0	0	50
TOTAL			24	18	12	215	315	70	600

BCA Semester - II

Sr. No.	Subject - Type	Name of the subject	SUB Total CREDIT	Teaching scheme		Examination scheme			Total Marks
				(per week)		MID	External		
				Th.	Pr.	Th.	Th.	Pr.	
Part 1	Soft Skills	Personality Development & Leadership	2	2	0	15	35	0	50
	Language : English	Professional Communication	2	2	0	15	35	0	50
Part 2	Core Subject 4	Programming with 'C'	4	4	0	30	70	0	100
	Core Subject 5	Database Management System-I	4	4	0	30	70	0	100
	Core Subject 6	System Analysis and Design	4	4	0	30	70	0	100
	Core Subject 4 : Practical	Programming with 'C'	2	0	4	15	0	35	50
	Core Subject 5 : Practical	Database Management System-I	2	0	4	15	0	35	50
Part 3	Foundation Course*	Computer Oriented Numerical Techniques	2	2	0	15	35	0	50
	CC & EC*	NCC / NSS	2	0	4	50	0	0	50
TOTAL			24	18	12	215	315	70	600

From the Year 2017, Specialization : 1. Robotics and 2. E-Commerce will be offered to the BCA Students

BCA Semester - III

Sr. No.	Subject - Type	Name of the subject	SUB Total CREDIT	Teaching scheme		Examination scheme			
				(per week)		MID	External		Total Marks
				Th.	Pr.	Th.	Th.	Pr.	
Part 1	Environmental Studies	Indian Taxation system	2	2	0	15	35	0	50
	Language : English	Scientific Communication	2	2	0	15	35	0	50
Part 2	Core Subject 7	Object Oriented Programming (C++)	4	4	0	30	70	0	100
	Core Subject 8	Database Management System-II	4	4	0	30	70	0	100
	Core Subject 9	Software Project Management	4	4	0	30	70	0	100
	Core Subject 7 : Practical	Object Oriented Programming (C++)	2	0	4	15	0	35	50
	Core Subject 8 : Practical	Database Management System-II	2	0	4	15	0	35	50
Part 3	Foundation Course*	Computer Oriented Stastetical Methods	2	2	0	15	35	0	50
	Specialization	SP-1	2	0	4	0	0	50	50
TOTAL			24	18	12	165	315	120	600

BCA Semester - IV

Sr. No.	Subject - Type	Name of the subject	SUB Total CREDIT	Teaching scheme		Examination scheme			
				(per week)		MID	External		Total Marks
				Th.	Pr.	Th.	Th.	Pr.	
Part 1	Indian Language	Intellectual Property Rights	2	2	0	15	35	0	50
	Language : English	Project Documentation	2	2	0	15	35	0	50
Part 2	Core Subject 10	Application Development using vb.net	4	4	0	30	70	0	100
	Core Subject 11	Data Structure	4	4	0	30	70	0	100
	Core Subject 12	Operating system	4	4	0	30	70	0	100
	Core Subject 10 : Practical	Application Development using vb.net	2	0	4	15	0	35	50
	Core Subject 11 : Practical	Data Structure	2	0	4	15	0	35	50
Part 3	Foundation Course*	Networking-I	2	2	0	15	35	0	50
	Specialization	SP-2	2	0	4	0	0	50	50
TOTAL			24	18	12	165	315	120	600

BCA Semester - V

Sr. No.	Subject - Type	Name of the subject	SUB Total CREDIT	Teaching scheme		Examination scheme			
				(per week)		MID	External		Total Marks
				Th.	Pr.	Th.	Th.	Pr.	
Part 2	Core Subject 13	Web Development using ASP.Net	4	4	0	30	70	0	100
	Core Subject 14	Web Development using Open source Technology (Wordpress, Magento)	4	4	0	30	70	0	100
	Core Subject 15	Networking-II	4	4	0	30	70	0	100
	Core Subject 16	Mobile Application Development	4	4	0	30	70	0	100
	Core Subject 13 : Practical	Web Development using ASP.Net	2	0	4	15	0	35	50
	Core Subject 14 : Practical	Web Development using Open source Technology (Wordpress, Magento)	2	0	4	15	0	35	50
Part 3	Project	Project Phase - I	2	2	0	15	35	0	50
	Specialization	SP-3	2	0	4	50	0	0	50
TOTAL			24	18	12	215	315	70	600

BCA Semester - VI

Sr. No.	Subject - Type	Name of the subject	SUB Total CREDIT	Teaching scheme		Examination scheme			
				(per week)		MID	External		Total Marks
				Th.	Pr.	Th.	Th.	Pr.	
Part 2	Core Subject 17	Application Development using Java	4	4	0	30	70	0	100
	Core Subject 18	Emerging Trends and Technology	4	4	0	30	70	0	100
	Core Subject 17: Practical	Application Development using Java	2	0	4	15	0	35	50
	Core Subject 18 : Practical	Emerging Trends and Technology	2	0	4	15	0	35	50
Part 3	Project	Project Phase - II	10	0	10	100		150	250
	Specialization	SP-4	2	0	4	50	0	0	50
TOTAL			24	8	22	240	140	220	600

Specialization

	Option-1 (Robotics)	Option-2 (E-Commerce)
SP-1	Basics of electronics	E-Commerce: Technology
SP-2	Robopedia-1	E-Commerce: Payment System
SP-3	Robopedia-2	E-Commerce: Security
SP-4	Robopedia-3	E-Commerce: Project