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BCA 2024 Course structure										
SEMESTER 3										
SL NO	TYPES OF COURSE	SUB CODE	SUB NAME	L	T	P	S	TOTAL CONTACT HRS	CREDIT POINTS	
THEORY										
1	Computer Science & Application	BCACC301	Design Analysis of Algorithm	3	1	0	0	4	4	
2	Computer Science & Application	BCACC302	Operating System	3	1	0	0	4	4	
3	Computer Science & Application	BCACC303	Python Programming	3	1	0	0	4	4	
4	Ability Enhancement	BCAAE301	Environmental Studies	3	1	0	0	4	4	
5	Value Added Course	BCAGS301	General Studies & Current Affairs-III	2	0	0	0	2	2	
PRACTICAL										
6	Computer Science & Application	BCACC392	Operating System lab	0	0	4	0	4	2	
7	Computer Science & Application	BCACC393	Python Programming with lab	0	0	4	0	4	2	
SESSIONAL										
8	Skill Enhancement	BCAGS381	Competitive Aptitude Training-III	0	0	0	2	2	2	
9	Ability Enhancement	BCAAE381	Business Ethics & Corporate Governance	0	0	0	2	2	2	
MOOCS/MAR/IFC										
10	Value Added Course	MOOCs	Massive Open Online Course	0	0	0	0	0	0	
11	Value Added Course	IFC	Industry and foreign certification	0	0	0	0	0	0	
12	Value Added Course	MAR	Mandatory Additional Requirements(MAR)	0	0	0	0	0	0	
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BCA 2024 Course structure										
SEMESTER 5										
SL NO	TYPES OF COURSE	SUB CODE	SUB NAME	L	T	P	S	TOTAL CONTACT HRS	CREDIT POINTS	
THEORY										
1	Computer Science & Application	BCACC501	Introduction to Machine learning	3	1	0	0	4	4	
2	Multidisciplinary	BCAMD501	Software Engineering	3	1	0	0	4	4	
3	Computer Science & Application	BCACL502	Introduction to Cloud Computing and visualization	3	1	0	0	4	4	
4	Computer Science & Application	BCACS502	Introduction to Cyber Security	3	1	0	0	4	4	
5	Computer Science & Application	BCAIR502	Introduction to IoT Architecture and Robotics	3	1	0	0	4	4	
6	Computer Science & Application	BCAMM502	Introduction to Computer Graphics	3	1	0	0	4	4	
7	Computer Science & Application	BCAQC502	Introduction to Quantum Computing	3	1	0	0	4	4	
8	Computer Science & Application	BCAWP502	Introduction to web development using PHP and MySQL	3	1	0	0	4	4	
9	Value Added Course	BCAGS501	General Studies & Current Affairs-V	2	1	0	0	2	2	
PRACTICAL										
10	Computer Science & Application	BCACC591	Machine learning with Python lab	0	0	4	0	4	2	
11	Computer Science & Application	BCACL592	Cloud Deployment Lab	0	0	4	0	4	2	
12	Computer Science & Application	BCACS592	Cyber Security Lab	0	0	4	0	4	2	

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BCA 2024 Course structure									
SEMESTER 6									
SL NO	TYPES OF COURSE	SUB CODE	SUB NAME	L	T	P	S	TOTAL CONTACT HRS	CREDIT POINTS
THEORY									
1	Computer Science & Application	BCACC601	Unix and Shell Programming	3	1	0	0	4	4
2	Computer Science & Application	BCACL602	Security in Cloud Computing	3	1	0	0	4	4
3	Computer Science & Application	BCACS602	Network Security and Cryptography	3	1	0	0		4
4	Computer Science & Application	BCAIR602	Robot Programming and Kinematics	3	1	0	0		4
5	Computer Science & Application	BCAMM602	Introduction to 3D Modelling and Augmented Reality	3	1	0	0		4
6	Computer Science & Application	BCAQC602	Quantum Information and Computation	3	1	0	0		4
7	Computer Science & Application	BCAWP602	Advanced Web Programming Tools	3	1	0	0		4
8	Value Added Course	BCAGS601	General Studies & Current Affairs-VI	2	1	0	0	2	2
PRACTICAL									
9	Computer Science & Application	BCACL692	Cloud Computing Tools and Applications Lab	0	0	4	0	4	4
10	Computer Science & Application	BCACS692	Network Security and Cryptography lab	0	0	4	0	4	4
11	Computer Science & Application	BCAIR692	Robotics and Automation Lab	0	0	4	0	4	4
12	Computer Science & Application	BCAMM692	3D Modelling and Augmented Reality lab	0	0	4	0	4	4
13	Computer Science & Application	BCAQC692	Quantum Information and Computation Lab	0	0	4	0	4	4

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