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BCA 2025 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	Computer Science & Application	BCACC502	Data Communication & Networking	3	1	0	0	4	4
3	Computer Science & Application	BCACC503	Software Engineering	3	1	0	0	4	4
4	Computer Science & Application	BCACL504	Introduction to Cloud Computing and visualization	3	1	0	0	4	4
5	Computer Science & Application	BCACS504	Introduction to Cyber Security	3	1	0	0	4	4
6	Computer Science & Application	BCAIR504	Introduction to IoT Architecture and Robotics	3	1	0	0	4	4
7	Computer Science & Application	BCAMM504	Introduction to Computer Graphics	3	1	0	0	4	4
8	Computer Science & Application	BCAQC504	Introduction to Quantum Computing	3	1	0	0	4	4
9	Computer Science & Application	BCAWP504	Introduction to web development using PHP and MySQL	3	1	0	0	4	4
10	Value Added Course	BCAGS501	General Studies & Current Affairs - V	2	1	0	0	2	2
PRACTICAL									
11	Computer Science & Application	BCACC591	Machine learning with Python lab	0	0	4	0	4	2
12	Computer Science & Application	BCACL594	Cloud Deployment Lab	0	0	4	0	4	2

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BCA 2025 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	Advanced Database Management System with PL/SQL	3	1	0	0	4	4
3	Computer Science & Application	BCACL602	Security in Cloud Computing	3	1	0	0	4	4
4	Computer Science & Application	BCACS602	Network Security and Cryptography	3	1	0	0	4	4
5	Computer Science & Application	BCAIR602	Robot Programming and Kinematics	3	1	0	0	4	4
6	Computer Science & Application	BCAMM602	Introduction to 3D Modelling and Augmented Reality	3	1	0	0	4	4
7	Computer Science & Application	BCAQC602	Quantum Information and Computation	3	1	0	0	4	4
8	Computer Science & Application	BCAWP602	Advanced Web Programming Tools	3	1	0	0	4	4
9	Value Added Course	BCAGS601	General Studies & Current Affairs -VI	2	1	0	0	2	2
PRACTICAL									
10	Computer Science & Application	BCACC691	Advanced Database Management System lab	0	0	4	0	4	3
11	Computer Science & Application	BCACC692	Cloud Computing Tools and Applications	0	0	4	0	4	3
12	Computer Science & Application	BCACS692	Network Security and Cryptography lab	0	0	4	0	4	3
13	Computer Science & Application	BCAIR692	Robotics and Automation Lab	0	0	4	0	4	3
14	Computer Science & Application	BCAMM692	3D Modelling and Augmented Reality lab	0	0	4	0	4	3

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BCA 2025 Course structure										
SEMESTER 8										
SL NO	TYPES OF COURSE	SUB CODE	SUB NAME	L	T	P	S	TOTAL CONTACT HRS	CREDIT POINTS	
THEORY										
1	Multidisciplinary	BCAMD801	Research Methodology	3	1	0	0	4	4	
PRACTICAL										
2	Ability Enhancement	BCAAE891	Paper Writing(LATEX)	0	0	0	2	2	2	
SESSIONAL										
3	Computer Science & Application	BCACC881	Research Project - major	0	0	0	2	2	2	
MOOCS/MAR/IFC										
4	Value Added Course	MOOCs	Massive Open Online Course	0	0	0	0	0	0	
5	Value Added Course	IFC	Industry and foreign certification	0	0	0	0	0	0	
6	Value Added Course	MAR	Mandatory Additional Requirements(MAR)	0	0	0	0	0	0	
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