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Details of BCA Course Structure as follows:

I & II Semester

Certificate in Computer Applications after securing 44 credits

Course Code	Course Type	Course Name
BCA-CA-101	Major	Problem Solving and Programming In C
BCA-CA-102	Major	Discrete Mathematics and Graph Theory
BCA-CA-103	Major	Computer Organization and Architecture
PCC-CA-101	VA	Value Added Course – I
PEC-CA-101	DSE	Discipline Specific Elective -1
HSMC-CA-101	AEC	Ability/Skill Enhancement Course

Course Code	Course Type	Course Name
BCA-CA-201	Major	Object Oriented Programming
BCA-CA-202	Major	Statistics for Engineers
BCA-CA-203	Major	Principles of Database Systems
PCC-CA-201	VA	Value Added Course
PEC-CA-201	DSE	Discipline Specific Elective -2
HSMC-CA-201	AEC	Ability/Skill Enhancement Course

III & IV Semester

Diploma in Computer Application after securing 88 credits

Course Code	Course Type	Course Name
BCA-CA-301	Major	Data Structures
BCA-CA-302	Major	Advanced Database Management Systems
BCA-CA-303	Major	Operating System Principles
PCC-CA-301	VA	Value Added Course
PEC-CA-301	DSE	Discipline Specific Elective -3
HSMC-CA-301	AEC	Ability/Skill Enhancement Course

Course Code	Course Type	Course Name
BCA-CA-401	Major	Design and Analysis of Algorithms
BCA-CA-402	Major	System Programming
BCA-CA-403	Major	Cloud Computing Methodologies
PCC-CA-401	VA	Value Added Course
PEC-CA-401	DSE	Discipline Specific Elective -4
HSMC-CA-401	AEC	Ability/Skill Enhancement Course

V & VI Semester

Course Code	Course Type	Course Name
BCA-CA-501	Major	Introduction to Data Science
BCA-CA-502	Major	Formal Languages and Automata Theory.
BCA-CA-503	Major	Data Communication and Networks
PCC-CA-501	VA	Value Added Course
PEC-CA-501	DSE	Discipline Specific Elective -5

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Course Code	Course Type	Course Name
HSMC-CA-501	AEC	Ability/Skill Enhancement Course

Bachelor in Computer Applications after securing 132 Credits

Course Code	Course Type	Course Name
BCA-CA-601	Major	Applied Cryptography and Network Security
BCA-CA-602	Major	Artificial Intelligence and Experts Systems
BCA-CA-603	Major	Compiler Design
PCC-CA-601	VA	Value Added Course
PEC-CA-601	DSE	Discipline Specific Elective -6
HSMC-CA-601	AEC	Ability/Skill Enhancement Course

VII & VIII Semester

Bachelor in Computer Science (Honors) after securing 164 credits

	Course Type	Course Name
	Major	Research Project -I

	Course Type	Course Name
	Major	Research Project -II
		Total