

## Department of BBA(Computer Application) Course: BBA(CA)

Level	SEM	Disciplinary Major Mandatory	DSE Electives	Minor	OE	VC/SEC	AEC, VEC, IKS	OJT, FP, CEP, CC, RP	Total	Exit Credit	Final Total Credits
4.5	I	2cr(Th)Introduction to C Programming 2cr(Th)Database Management System 2cr(Pr) Principles of Programming & Algorithm			2cr(Th)Basics of Computers 2cr(Pr)Introduction to Word,Excel and Power point	SEC:2Cr:(Pr)Practical on Principles of Programing and Algorithm SEC:2cr(Pr) Practical on C and DBMS	AEC:2cr(Th)English VEC:2cr(Th)Digital Tech. Solution IKS:2cr(Pr)India's Prefered Comp. lang.	cc:2crNCC/NSS /Cultural /Sports/Community Service/Yoga & fitness	22		
4.5	II	2cr(Th)Advanced C Programming 2cr(Th) Relational databse Management Systesm 2cr(Pr)Web Technologies		2cr(Th) BA: Business Communication	2cr(Th)E-commerce 2cr(Pr)Web Desigining	SEC:2cr(Pr)Practical on Advance C SEC:2Cr(Pr) Practical on RDBMS and Web Technologies	AEC:2cr(Th)English VEC:2cr(Th)Organizational Behaviour	cc:2crNCC/NSS /Cultural /Sports/Community Service/Yoga & fitness	22		
<b>Cumulative</b>		<b>12</b>		<b>2</b>	<b>8</b>	<b>8</b>	<b>10</b>	<b>4</b>	<b>44</b>	<b>4</b>	<b>48</b>
<b>Certificate on Exit + 4 credit Bridge Course</b>											

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5	III	2 Cr(Th)Data Structures Data Structures using C 2Cr(Th)Big Data Analytics 2Cr(Th) Angular 2Cr(Pr)Practical on DS and Big Data		4cr(Th) BA: Digital Marketing	2Cr(Th) Digital Marketing Awareness	SEC:2Cr(Pr)Practical On Angular with Small Application	VEC :2Cr(Th) EVS	2Cr (Pr) Filed Project cc:2crNCC/NSS /Cultural /Sports/Community Service/Yoga & fitness	22		
5	IV	2 Cr(Th)Object Oriented programing using C++ 2 Cr(Th)Node Js 2 Cr(Th)Networking 2 Cr(Th)Operating system		4cr(Th) BA: Business Ethics	2Cr(Th) Introduction to Hardware & Networking	2Cr(Pr) Practical on C++ and Node Js	VEC: 2Cr(Pr) JQuery	CEP:2Cr (Pr) Innovative Application Design cc:2crNCC/NSS /Cultural /Sports/Community Service/Yoga & fitness	22		
<b>Cumulative</b>		<b>16</b>		<b>8</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>8</b>	<b>44</b>	<b>4</b>	<b>48</b>
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5.5	VII	2Cr(Th) Core Java 2Cr(Th)Python 2Cr(Th) PHP 2Cr(Pr)Practical on Java and Python	2Cr(Th)Cyber Security 2Cr(Th)Software Eng.	BA: 4 Cr (Th)Financial Accounting		VC:2Cr(Pr) IOT SEC:2Cr(Pr)NoSQL Database Management System( MongoDB)		2Cr: (Pr)Mini Project/FP (2)	22		
5.5	VIII	2Cr(Th) Advanced Java 2Cr(Th) Advanced PHP 4Cr(Th)Recent Trends in IT 2Cr(Pr)Practical on A.Java and A.PHP	2Cr(Th) Object oriented Software Engineering 2Cr(Th) Software Testing	BA: 4Cr(Th) Human Resource Mgmt.				OJT: 4Cr(Pr) On Job Training using Scientific Survey	22		
<b>Cumulative</b>		<b>18</b>	<b>8</b>	<b>8</b>		<b>4</b>		<b>6</b>	<b>44</b>	<b>0</b>	<b>44</b>
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6	VII	4cr(Th)Artificial Intellegence 4cr(Th)Cloud Computing 4cr(Th)Software Project Management 2cr(Pr)Practical on AI and Cloud	4cr(2Th+2Pr)Dot Net Framework	2cr(Th) Research Methodology 2cr(Pr) Research Methodology					22		
6	VIII	4cr(Th)Mobile Computing 4cr(Th)Machine Learning 4cr(Th)Advanced Operating System 2cr(Pr)Practical on Mobile computing and Machine Learning	4cr(2Th+2Pr)Digital image Processing					OJT: 4Cr(Pr) On Job Training /Induatrial Project/Internship	22		
<b>Cumulative</b>		<b>28</b>	<b>8</b>	<b>4</b>				<b>4</b>	<b>44</b>	<b>0</b>	<b>176</b>
<b>Certificate on Exit + 4 credit Bridge Course</b>											