



**VIJAYANAGARA SRI KRISHNADEVARAYA UNIVERSITY**  
 Jnanasagara campus, Vinayakanagara, Cantonment, Bellary.-583105

**VSKUB SEP Curriculum and Credits Structure for Undergraduate Programme under Choice Based Credit System [CBCS]  
 Scheme for the Three Years B.C.A. Programme with effect from 2024-25 (Mono Specialization)**

<b>THIRD YEAR; SEMESTER-V</b>											
Category	Department	Course code	Title of the Paper	Marks			Teaching hours/week			Credit	Duration of exams (Hrs)
				IA	SEE	Total	L	T	P		
Mono Specialization	BCA	24MJBCA5L1	Design and Analysis of Algorithms	20	80	100	4	-	-	4	3
	BCA	24MJBCA5P1	Design and Analysis of Algorithms Lab	10	40	50	-	-	4	2	3
	BCA	24MJBCA5L2	C# and .Net Framework	20	80	100	4	-	-	4	3
	BCA	24MJBCA5P2	C# and .Net Framework Lab	10	40	50	-	-	4	2	3
	BCA	24MJBCA5L3	PHP and MySQL	20	80	100	4	-	-	4	3
	BCA	24MJBCA5P3	PHP and MySQL Lab	10	40	50	-	-	4	2	3
Elective Course	-	24ELBCA5L1	Software Engineering	20	80	100	4	-	-	4	3
		24ELBCA5L2	Cyber Security	20	80	100	4	-	-	4	3
		24ELBCA5L3	Mobile Application Development	20	80	100	4	-	-	4	3
Compulsory		24ERMBSC5S	Elementary Research Methodology	10	40	50	2	-	-	2	1
<b>Total Credits: 24</b>											

**THIRD YEAR; SEMESTER-VI**

Category	Department	Course code	Title of the Paper	Marks			Teaching hours/week			Credit	Duration of exams (Hrs)
				IA	SEE	Total	L	T	P		
Mono Specialization	BCA	24MJBCA6L1	Data Warehousing and Data Mining	20	80	100	4	-	-	4	3
	BCA	24MJBCA6P1	Data Warehousing and Data Mining Lab	10	40	50	-	-	4	2	3
	BCA	24MJBCA6L2	R Programming	20	80	100	4	-	-	4	3
	BCA	24MJBCA6P2	R Programming Lab	10	40	50	-	-	4	2	3
	BCA	24MJBCA6L3	Object Oriented Analysis and Design using UML	20	80	100	4	-	-	4	3
	BCA	24MJBCA6P3	Object Oriented Analysis and Design using UML Lab	10	40	50	-	-	4	2	3
Compulsory	BCA	24MJBCA6RP	Elementary Research Project//KJK Courses as per Govt. Guidelines	20	80	100	-	-	8	4	-
Skill Course	BCA	24SCBCA6LA	ETL Tool	10	40	50	1	-	2	2	1.5
		24SCBCA6LB	Data Visualization using R	10	40	50	1	-	2	2	1.5
		24SCBCA6LC	Software Testing	10	40	50	1	-	2	2	1.5
<b>Total Credits: 24</b>											