

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

Scheme of Teaching and Examinations–2024

Bachelor of Computer Applications (BCA)

SEP and Outcome-Based Education (OBE)

V SEMESTER

Sl. No	Course	Course Code	Course Title	Teaching Hours per Week			Examination				Credits
				Theory	Practical/Seminar	Skill Development Activities (Hours are for Interaction between Faculty And students)	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1	PCC	BBCA501	Introduction to AI	03	--	--	03	50	50	100	3
2	PCC	BBCA502	Theory of Computation	03	-	--	03	50	50	100	3
3	PCC	BBCA503	Mobile Application Development	03	--	--	03	50	50	100	3
4	PCC	BBCA504	Cloud Computing	03	--	--	03	50	50	100	3
5	PEC	BBCA505X	Professional Elective 1	04	--	--	03	50	50	100	4
6	PCCL	BBCAL506	Mobile Application Development Lab	01	02	--	03	50	50	100	2
7	PROJ	BBCA587	Mini Project		02		03	50	50	100	2
8	AEC/S EC		Societal Project	--	01	01	03	50	50	100	1
9	AEC		Technical Seminar	--	02	--	03	50	50	100	1
Total				17	7	1	27	450	450	900	22

Professional Electives - 1

Course Code BCA505X

Course Title

BBCA5051

Digital Marketing

BBCA5052

Advanced Java

BBCA5053

Object Oriented Modeling and Design

BBCA5054

NoSQL

BBCA5055

Wireless Communication

BBCA5056

Computer Graphics with OpenGL

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VI SEMESTER

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				Theory	Practical/Seminar	Skill Development Activities (Hours are for Interaction between Faculty And students)	Duration in hours	CIE Marks	SEE Marks	Total Marks	
				L	P/T	SDA					
1	IPCC	BBCA601	Data mining and Data ware housing	03	0	-1-	03	50	50	100	4
2	PEC	BBCA602X	Professional Elective 2	04	--	--	03	50	50	100	4
3	PEC	BBCA603X	Professional Elective 3	04	--	--	03	50	50	100	4
4	INTERN	BBCA684	Industry Internship	--	06	--	04	50	50	100	4
5	PROJ	BBCA685	Project Lab	-	06	--	04	50	50	100	4
Total											20

Professional Elective- 2

Course Code	BCA602X	Course Title
BBCA6021		Digital Image Processing
BBCA6022		Web Content Management
BBCA6023		Cybersecurity
BBCA6024		Cryptography and Network Security
BBCA6025		Internet of Things
BBCA6026		Gaming Application Development

Professional Elective -3

Course Code	BCA603X	Course Title
BBCA6031		Software Testing
BBCA6032		ERP
BBCA6033		Full Stack Development
BBCA6034		Data Science
BBCA6035		Ethical Hacking
BBCA6036		Business Intelligence