

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI.**



Scheme of Teaching and Examinations and Syllabus

Bachelor of Computer and Applications (BCA)

(Effective from the Academic year 2024-25)

I SEMESTER											
Sl. No	Course	Course Code	Course Title BBCAL151A	Teaching Hours per Week			Examination				Credits
				Theory	SDA/Tutorial	Practical	Duration (Hrs)	CIE Marks	SEE Marks	Total Marks	
				L	SDA/T	P					
1	AEC	BBCA151A	Balike Kannada (MCQ)	02	-	--	01	50	50	100	2
		BBCA151B	Samskrutika Kannada (MCQ)								
2	AEC	BBCA152	Professional Communication Skills	02	-	--	03	50	50	100	2
3	PCC	BBCA103	Problem-solving using C Programming(K/E)	03	--	--	03	50	50	100	3
4	PCC	BBCA104	Computer Essentials (K/E)	03	--	--	03	50	50	100	3
5	PCC	BBCA105A	Fundamentals of Mathematics(A) (K/E)	03	--	--	03	50	50	100	3
		BBCA105B	Fundamentals of Accountancy(B) (K/E)								
6	AEC	BBCA156	Indian Knowledge System (K/E)(MCQ)	02	-	--	01	50	50	100	2
7	PCCL	BBCAL107	Programming in C Lab	01		02	03	50	50	100	2
8	PCCL	BBCAL108	Essentials of Computer Lab	01		02	03	50	50	100	2
9	VAC	BBCA109	Environmental studies (K/E) (MCQ)	00	02	-	01	50	50	100	1
TOTAL				17	02	04	27	450	450	900	20
AEC-Ability Enhancement Courses, PCC – Professional Core Courses, PCCL – Professional Core Course Laboratory, VAC – Value Added Courses. BCA105A- Fundamentals of Mathematics- This is for students other than those in the science stream at 10+2 level. BCA105B- for Science Stream students. SDA- Skill Development Activities. BCA151A- Balike Kannada(for non-Karnataka students) BCA151B- Samskrutika Kannada- (For Karnataka Students)											
At the beginning of the semester 21 days of the Induction Program o 11 days in the beginning of the 1 st semester and 10 days in the beginning of the 2 nd semester											

II SEMESTER											
Sl. No	Course	Course Code	Course Title	Teaching Hours per Week			Examination				Credits
				Theory	SDA/ Tutorial	Practical	Duration in hours	CIE Marks	SEE Marks	Total Marks	
				L	SDA/T	P					
1	AEC	BBCA251	Indian / Foreign Language (MCQ for Particular Language – SEE)	02	-	--	01	50	50	100	2
2	AEC	BBCA252	Introduction To Scripting Languages (Theory)	02	-	--	03	50	50	100	2
3	PCC	BBCA203	Discrete Mathematical Structure	03	--	--	03	50	50	100	3
4	PCC	BBCA204	Fundamentals of Data Structure (K/E)	03	--	--	03	50	50	100	3
5	PCC	BBCA205	Unix and Shell Scripting	03	--	--	03	50	50	100	3
6	SEC	BBCA286	Fundamentals of Fintech (MCQ)	02	-	--	01	50	50	100	2
7	PCCL	BBCAL207	Unix and Shell Scripting Laboratory	01		02	03	50	50	100	2
8	PCCL	BBCAL208	Data Structure Using C Laboratory	01		02	03	50	50	100	2
9	VAC	BBCA209	Constitution of India(K/E)(MCQ)	00	02	--	01	50	50	100	1
TOTAL				17	02	04	28	450	450	900	20
AEC-Ability Enhancement Courses, PCC – Professional Core Courses, PCCL – Professional Core Course Laboratory, VAC – Value Added Courses BCA105A- Fundamentals of Mathematics- This is for students other than those in the science stream at 10+2 level. BCA105B- for Science Stream students. SDA- Skill Development Activities At the beginning of the semester 21 days of the Induction Program o 11 days in the beginning of the 1 st semester and 10 days in the beginning of the 2 nd semester											

