



RANI CHANNAMMA UNIVERSITY

BELAGAVI

THE COURSE STRUCTURE OF UNDER GRADUATE

BACHELOR OF COMPUTER APPLICATION

w.e.f.

**Academic Year 2020-21 and Onwards
Under**

CHOICE BASED CREDIT SYSTEM (CBCS)

1. KANNADA

Part 1: AECC - Ability Enhancement Compulsory Course (Basic Kannada)

Sem	Course Code	Title of the Paper	Teaching Hours/Week	Credits	Marks		Total	Duration of Exam
					Sem End Exam	IA		
I	AECC KAN	Kannada Language I	4	2	80	20	100	3 Hrs
II	AECC KAN	Kannada Language II	4	2	80	20	100	3 Hrs
III	AECC KAN	Kannada Language III	4	2	80	20	100	3 Hrs
IV	AECC KAN	Kannada Language IV	4	2	80	20	100	3 Hrs

Part 3: SEC - Skill Enhancement Course (ಕೌಶಲ್ಯ ಕನ್ನಡ) for all courses (Open Elective Course)

Sem	Course Code	Title of the Paper	Teaching Hours/Week	Credits	Marks		Total	Duration of Exam
					Sem End Exam	IA		
III	SEC KAN	ಸ್ವರ್ಧಾತ್ಮಕ ಕನ್ನಡ	2	2	40	10	50	2 Hrs
IV	SEC KAN	ಕೌಶಲ್ಯ ಕನ್ನಡ	2	2	40	10	50	2 Hrs
V	SEC KAN	ಭಾಷಾಂತರ ಕೌಶಲ್ಯ	2	2	40	10	50	2 Hrs
VI	SEC KAN	ವ್ಯವಹಾರಿಕ ಕನ್ನಡ	2	2	40	10	50	2 Hrs

2. ENGLISH

Part 1: AECC - Ability Enhancement Compulsory Course (Basic English)

Sem	Course Code	Title of the Paper	Teaching Hours/Week	Credits	Marks		Total	Duration of Exam
					Sem End Exam	IA		
I	AECC ENG117	English Gems I	4	2	80	20	100	3 Hrs
II	AECC ENG118	English Gems II	4	2	80	20	100	3 Hrs
III	AECC ENG119	English Language Skills I	4	2	80	20	100	3 Hrs
IV	AECC ENG120	English Language Skills II	4	2	80	20	100	3 Hrs

Part 3: SEC - Skill Enhancement Course (Communicative English)

Sem	Course Code	Title of the Paper	Teaching Hours/Week	Credits	Marks		Total	Duration of Exam
					Sem End Exam	IA		
III	SEC ENG113	Soft Skills	2	2	40	10	50	2 Hrs
IV	SEC ENG114	Business Correspondence	2	2	40	10	50	2 Hrs
V	SEC ENG115	Media and Communication	2	2	40	10	50	2 Hrs
VI	SEC ENG116	Media Writing	2	2	40	10	50	2 Hrs

3. HINDI

Sem	Course	Title of the Paper	Paper	Teaching Hours per week	Duration of Exam (Hrs)	Marks			Credits
						IA	Exam	Total	
I	AECC	1) गद्य फुलवारी (गद्य संकलन) 2) हिंदी भाषा के विविध रूप 3) स्वर तथा व्यंजन 4) अनुवाद (पारिभाषिक शब्दावली)	1T*	4	3	20	80	100	3
II	AECC	1) काव्य कुसुम (कविता संकलन) 2) व्याकरण 3) पत्रलेखन	1T*	4	3	20	80	100	3
III	AECC	1) कथा भारती (कहानी संकलन) 2) भाषा संप्रेषण 3) मुहावरे और लोकोक्तियाँ 4) पर्यायवाची शब्द, विलोम शब्द, अनेक शब्दों के लिए एक शब्द	1T*	4	3	20	80	100	3
	SEC	1) संभाषण कला 2) प्रयोजनमूलक हिंदी	1T*	2	2	10	40	50	2
IV	AECC	1) मिलिगडु (उपन्यास) 2) पल्लवन तथा संक्षेपण 3) अनुवाद	1T*	4	3	20	80	100	3
	SEC	चलचित्र लेखन	1T*	2	2	10	40	50	2

4. MARATHI

Sem	Course	Title of the Paper	Paper	Teaching Hours per week	Duration of Exam (Hrs)	Marks			Credits
						IA	Exam	Total	
I	AECC	विनोदी वाङ्मय	1 T	4	3	20	80	100	3
II	AECC	वाङ्मयप्रकार:नाटक	1 T	4	3	20	80	100	3
III	AECC	कादंबरी	1 T	4	3	20	80	100	3
	SEC	जाहिरात लेखन	1 T	2	2	10	40	50	2
IV	AECC	वाङ्मयप्रकार:चरित्र	1 T	4	3	20	80	100	3
	SEC	श्राव्य माध्यमांसाठी लेखन कौशल्य	1 T	2	2	10	40	50	2

5. ARABIC

Sem	Course	Title of the Paper	Paper	Teaching Hours per week	Duration of Exam (Hrs)	Marks			Credits
						IA	Exam	Total	
I	AECC	Prose, Poetry, History of Arabic literature and Grammar.	1 T	4	3	20	80	100	3
II	AECC	Prose, Poetry, History of Arabic literature and Grammar.	1 T	4	3	20	80	100	3
III	AECC	Prose, Poetry, History of Arabic literature and Grammar.	1 T	4	3	20	80	100	3
	SEC	Arabic Calligraphy	1 T	2	2	10	40	50	2
IV	AECC	Prose, Poetry, History of Arabic literature and Grammar.	1 T	4	3	20	80	100	3
	SEC	Arabic Phonetics	1 T	2	2	10	40	50	2

6. URDU

I	AECC	Study of Prose and poetry	1 T*	4 Hrs	3	20	80	100	3
II	AECC	Study of Prose and poetry	1 T*	4 Hrs	3	20	80	100	3
III	AECC	Study of Prose and poetry	1 T*	4 Hrs	3	20	80	100	3
	SEC	This SEC paper as per B A IIISem Syllabi	1 T	2 Hrs	2	10	40	50	2
IV	AECC	Study of Prose and poetry	1 T*	4 Hrs	3	20	80	100	3
	SEC	This SEC paper as per B A IV semSyllabi	1 T	2 Hrs	2	10	40	50	2

7. SANSKRIT

Part 1: AECC - Ability Enhancement Compulsory Course (Basic Sanskrit)

Sem	Course Code	Title of the Paper	Teaching Hours/Week	Credits	Marks		Total	Duration of Exam
					Sem End Exam	IA		
I	AECC SAN	Sanskrit Language I	4	2	80	20	100	3 Hrs
II	AECC SAN	Sanskrit Language II	4	2	80	20	100	3 Hrs
III	AECC SAN	Sanskrit Language III	4	2	80	20	100	3 Hrs
IV	AECC SAN	Sanskrit Language IV	4	2	80	20	100	3 Hrs

Part 3: SEC - Skill Enhancement Course for all courses (Open Elective Course)

Sem	Course Code	Title of the Paper	Teaching Hours/Week	Credits	Marks		Total	Duration of Exam
					Sem End Exam	IA		
III	SEC SAN	TRANSLATION	2	2	40	10	50	2 Hrs
IV	SEC SAN	PATHANAM	2	2	40	10	50	2 Hrs
V	SEC SAN	BHAASHAA KAUSHALAM	2	2	40	10	50	2 Hrs
VI	SEC SAN	PATRA LEKHANAM	2	2	40	10	50	2 Hrs

	I Semester BCA w.e.f 2020-21 and onwards CHOICE BASED CREDIT SYSTEM (CBCS)								
Part	Subject Code	Subject Name	Teaching Hrs/ week	Practical Hrs/ week	Examination				Credits
					Duration Hrs	Marks			
						Theory /Practical	IA	Total	
Part I AECC	BCAAEC1.1	MIL	4	-	3	80	20	100	3
	BCAAEC 1.2	English	4	-	3	80	20	100	3
Part II DSC	BCADSC1.3	C Programming	5	-	3	80	20	100	3
	BCADSC 1.4	Computer Fundamentals	5	-	3	80	20	100	3
	BCADSC 1.5	Financial Accounting / Mathematics-I	5	-	3	80	20	100	3
	BCADSC 1.6	C Programming Lab	-	3	2	40	10	50	1
	BCADSC 1.7	Computer Fundamentals Lab	-	3	2	40	10	50	1
	BCADSC 1.8	Office Automation lab	-	3	2	40	10	50	1
Part III AECC	BCAAEC 1.9	Indian Constitution	2	-	2	40	10	50	2
	BCAAEC 1.10	CC/EA	2	-	-	-	50	50	1
Total			27	9				750	21

	II Semester BCA w.e.f 2020-21 and onwards CHOICE BASED CREDIT SYSTEM (CBCS)								
Part	Subject Code	Subject Name	Teachi ng Hrs/w eek	Pract ical Hrs/ wee k	Examination				Credits
					Duratio n Hrs	Marks			
						Theory /Practical	IA	Tota l	
Part I AECC	BCAAEC 2.1	MIL	4	-	3	80	20	100	3
	BCAAEC 2.2	English	4	-	3	80	20	100	3
Part II DSC	BCADSC 2.3	Data Structures	5	-	3	80	20	100	3
	BCADSC 2.4	Web Programming	5	-	3	80	20	100	3
	BCADSC 2.5	Numerical and Statistical Methods	5	-	3	80	20	100	3
	BCADSC 2.6	Data Structures Lab	-	3	2	40	10	50	1
	BCADSC 2.7	Web Programming Lab	-	3	2	40	10	50	1
	BCADSC 2.8	Numerical and Statistical Methods Lab	-	3	2	40	10	50	1
Part III AECC	BCAAEC 2.9	Human Rights and Environmental Studies	2	-	2	40	10	50	2
	BCAAEC 2.10	CC/EA	2	-	-	-	50	50	1
Total			27	9				750	21

	III Semester BCA w.e.f 2021-22 and onwards CHOICE BASED CREDIT SYSTEM (CBCS)								
Part	Subject Code	Subject Name	Teachi ng Hrs/w eek	Pract ical Hrs/ wee k	Examination				Credits
					Duratio n Hrs	Marks			
						Theory /Practical	IA	Tota l	
Part I AECC	BCAAEC 3.1	MIL	4	-	3	80	20	100	3
	BCAAEC 3.2	English	4	-	3	80	20	100	3
Part II DSC	BCADSC 3.3	Java Programming	5	-	3	80	20	100	3
	BCADSC 3.4	Operating System	5	-	3	80	20	100	3
	BCADSC 3.5	Design and Analysis of Algorithms	5	-	3	80	20	100	3
	BCADSC 3.6	Java Programming Lab	-	3	2	40	10	50	1
	BCADSC 3.7	Operating Systems Lab	-	3	2	40	10	50	1
	BCADSC 3.8	Design and Analysis of Algorithms-Lab	-	3	2	40	10	50	1
Part III SEC	BCASEC 3.9	Data Communication	2	-	2	40	10	50	2
	BCAAEC3. 10	CC/EA	2	-	-	-	50	50	1
Total			27	9				750	21

	IV Semester BCA w.e.f 2021-22 and onwards CHOICE BASED CREDIT SYSTEM (CBCS)								
Part	Subject Code	Subject Name	Teaching Hrs/week	Practical Hrs/week	Examination				Credits
					Duration Hrs	Marks			
						Theory /Practical	IA	Total	
Part I AECC	BCAAEC 4.1	MIL	4	-	3	80	20	100	3
	BCAAEC 4.2	English	4	-	3	80	20	100	3
Part II DSC	BCADSC 4.3	Software Engineering	5	-	3	80	20	100	3
	BCADSC 4.4	Database Management Systems	5	-	3	80	20	100	3
	BCADSC 4.5	Python Programming	5	-	3	80	20	100	3
	BCADSC 4.6	Database Management Systems Lab	-	3	2	40	10	50	1
	BCADSC 4.7	Python Programming Lab	-	3	2	40	10	50	1
	BCADSC 4.8	PL/SQL Lab	-	3	2	40	10	50	1
Part III SEC	BCASEC 4.9	Computer Networks	2	-	2	40	10	50	2
	BCAAEC 4.10	CC/EA	2	-	-	-	50	50	1
Total			27	9				750	21

	V Semester BCA w.e.f 2022-23 and onwards CHOICE BASED CREDIT SYSTEM (CBCS)								
Part	Subject Code	Subject Name	Teaching Hrs/week	Practical Hrs/week	Duration Hrs	Examination			Credits
						Marks			
						Theory /Practical	IA	Total	
Part I DSC / DSE	BCADSC 5.1	Advanced java	5	-	3	80	20	100	4
	BCADSC 5.2	Data Warehousing and Mining	5	-	3	80	20	100	4
	BCADSC 5.3	Network Security	5	-	3	80	20	100	4
	BCADSE 5.4	Elective I a. .Net Using C# b. Android Programming	5	-	3	80	20	100	4
	BCADSE 5.5	Elective II a. PHP b. Gaming & animation	5	-	3	80	20	100	4
	BCADSE 5.6	Elective Lab I a. C# Lab b. Android Lab	-	4	3	80	20	100	2
	BCADSE 5.7	Elective Lab II a. PHP Lab b. Gaming & animation Lab	-	4	3	80	20	100	2
	BCADSE 5.8	Advanced java Lab	-	4	3	80	20	100	2
Part III SEC	BCASEC 5.9	Personality Development	2	-	2	40	10	50	2
Total			27	12				850	28

Note: Students have to choose any one subject from Elective-I and Elective-II along with respective labs of Elective-I and Elective-II

	VI Semester BCA w.e.f 2022-23 and onwards CHOICE BASED CREDIT SYSTEM (CBCS)								
Part	Subject Code	Subject Name	Teaching Hrs/week	Practical Hrs/week	Examination			Credits	
					Duration Hrs	Marks			
						Theory /Practical	IA		Total
Part I DSC /DSE	BCADSC 6.1	Cyber Security	5	-	3	80	20	100	4
	BCADSC 6.2	Artificial Intelligence	5	-	3	80	20	100	4
	BCADSC 6.3	Software Testing	5	-	3	80	20	100	4
	BCADSE 6.4	Elective-III a. Cloud Computing b. Internet of Things	5	-	3	80	20	100	4
	BCADSE 6.5	Elective-IV a. Big Data Analytics b. Image Processing	5	-	3	80	20	100	4
	BCADSE 6.6	Software Testing lab	-	4	3	80	20	100	2
	BCADSE 6.7	Project Work	-	4	3	160	40	200	4
Part III ISE C	BCASEC 6.8	Communication Skills	2	-	2	40	10	50	2
Total			27	8				850	28

Note: Students have to choose any one subject from Elective-III and Elective-IV