

School Name: School of Computing Science and Engineering
Programme Name: BCA

Scheme: 2019-2022

Semester 1										
Sl. No	Course Code	Name of the Course					Assessment Pattern			
			L	T	P	C	IA	MT E	ETE	Total
1	BCAC1101	Discrete Mathematics	3	0	0	4	20	30	50	100
2	BCAC1102	Fundamentals of Digital Computers	3	0	0	3	20	30	50	100
3	BCAC1103	Introduction to Information Technology	3	0	0	3	20	30	50	100
4	BCAC1104	Programming Essentials in C	3	0	0	3	20	30	50	100
5	BCAC1113	Information Technology Lab	0	0	2	1	70		30	100
6	BCAC1114	Programming Essentials in C Lab	0	0	2	1	70		30	100
7	SLBC1001	Basic English	0	0	4	2	50		50	100
		Total	12	0	8	17				
Semester II										
Sl. No	Course Code	Name of the Course					Assessment Pattern			
			L	T	P	C	IA	MT E	ETE	Total
1	ENVS1001	Environmental Science	3	0	0	3	20	30	50	100
2	SLBC1002	Professional Communication	0	0	4	2	50	-	50	100
3	BCAC1201	Data Structures using C Lab	0	0	2	1	70		30	100
4	BCAC1203	Web Technology	3	0	0	3	20	30	50	100
5	BCAC1204	Enterprise Resource Planning	3	0	0	3	20	30	50	100
6	BCAC1205	Numerical Methods	3	0	0	3	20	30	50	100
7	BCAC1202	Python Programming	3	0	0	3	20	30	50	100
8	BCA9004	Disruptive Technologies	2	0	0	2	20	30	50	100
9	BCAC1211	Data Structures using C	3	0	0	3	20	30	50	100
10	BCAC1213	Web Technology Lab	0	0	2	1	70		30	100
11	BCAC1212	Python Programming Lab	0	0	2	1	70		30	100
		Total	20	0	10	25				

Semester III										
Sl No	Course Code	Name of the Course					Assessment Pattern			
			L	T	P	C	IA	MT E	ETE	Total
1	BCAC2101	Computer Architecture	3	0	0	3	20	30	50	100
2	BCAC2102	Database Management System	3	0	0	3	20	30	50	100
3	BCAC2103	JAVA Programming	3	0	0	3	20	30	50	100
4	BCAC2104	Introduction to Algorithm Analysis and Design	3	0	0	3	20	30	50	100
5	BCAC2105	Cryptographic Fundamentals	3	0	0	3	20	30	50	100
6	BCAC2107	Computer Networking	3	0	0	3	20	30	50	100
7	BCAC2109	Computer Networking Lab	0	0	2	1	70		30	100
8	BCAC2108	Java Programming Lab	0	0	2	1	70		30	100
9	BCAC2107	Database Management System LAB	0	0	2	1	70		30	100
10	LLL221	Logical Skill Building	0	0	4	2	50		50	100
		Total	18	0	10	23				
Semester IV										
Sl No	Course Code	Name of the Course					Assessment Pattern			
			L	T	P	C	IA	MT E	ETE	Total
1	LLL245	Campus-to-Corporate	0	0	4	2	50	-	50	100
2	BCASC2010	Operating System	3	0	0	3	20	30	50	100
3	BCAS2012	Software Engineering	3	0	0	3	20	30	50	100
4	BCAS2025	.Net technology	3	0	0	3	20	30	50	100
5	BCAS2021	Linux Administration	3	0	0	3	20	30	50	100
6	BCAS2013	Graph Theory	3	0	0	3	20	30	50	100
7		Elective-I	3	0	0	3	20	30	50	100
8	BCAS2011	Operating System Lab	0	0	2	1	70		30	100
9	BCAS2026	.Net technology Lab	0	0	2	1	70		30	100
10	BCAS2022	Linux Administration Lab	0	0	2	1	70		30	100
11		Elective-I Lab	0	0	2	1	70		30	100
		Total	18	0	12	24				

Semester V										
Sl No	Course Code	Name of the Course					Assessment Pattern			
			L	T	P	C	IA		ETE	Total
1	BCAS3002	Mobile Application Development	3	0	0	3	20	30	50	100
2	BCAS3003	Computer Graphics	3	0	0	3	20	30	50	100
3	BCAS3004	E-Commerce	3	0	0	3	20	30	50	100
4	BCAS3006	Software Project Management	3	0	0	3	20	30	50	100
5		Elective-II	3	0	0	3	20	30	50	100
6	BCAS3005	Computer Graphics Lab	0	0	2	1	70		30	100
7	BCAS3007	Mobile Application Development Lab	0	0	2	1	70		30	100
8		Elective II lab	0	0	2	1	70		30	100
9	BCAS9998	Project-I	0	0	8	4	50		50	100
		Total	15	0	12	22				
Semester VI										
Sl No	Course Code	Name of the Course					Assessment Pattern			
			L	T	P	C	IA	MTE	ETE	Total
1	BCAC9999	Project Work-2	0	3	24	15	50		50	100
		Total	0	3	24	15				

List of Electives

Sl No	Course Code	Name of the Electives					Assessment Pattern			
			L	T	P	C	IA	MTE	ETE	Total
		Elective-I(Any one)								
1	BCAS2028	Advance DBMS	3	0	0	3	20	30	50	100
2	BCAS2029	Advance DBMS Lab	0	0	2	1	70		30	100
3	BCAS2030	Python programming language	3	0	0	3	20	30	50	100
4	BCAS2031	Python programming language Lab	0	0	2	1	70		30	100
		Elective -II (Any one)	L	T	P	C				
1	BCAS3008	Multimedia System	3	0	0	3	20	530	50	100
2	BCAS3009	Multimedia System Lab	0	0	2	1	70		30	100
3	BCAS3010	Network Security	3	0	0	3	20	30	50	100
4	BCAS3011	Network Security Lab	0	0	2	1	70		30	100
5	BCAS3012	Search Engine Optimization	3	0	0	3	20	30	50	100
6	BCAS3013	Search Engine Optimization Lab	0	0	2	1	70		30	100