

School Name: School of Computing Science and Engineering
Program Name: BCA
Scheme: 2018-2021

Semester I										
Sl. No	Course Code	Name of the Course					Assessment Pattern			
			L	T	P	C	IA	MTE	ETE	Total
1	CSJP1001	Basic Japanese -I(Foreign Language)	2	0	0	2	20	30	50	100
2	SLBC1001	Basic English	0	0	4	2	50	-	50	100
3	BCAS1110	Discrete Mathematics	3	0	0	4	20	30	50	100
4	BCAS1120	Digital Computer Fundamentals	3	0	0	3	20	30	50	100
5	BCAS1130	Introduction to Information Technology	3	0	0	3	20	30	50	100
6	BCAS1140	Programming in C	3	0	0	3	20	30	50	100
7	BCAS1141	Programming Essentials in C Lab	0	0	2	1	50		50	100
8	BCAS1131	Information Technology Lab	0	0	2	1	50		50	100
		Total	14	0	8	19				
Semester II										
Sl. No	Course Code	Name of the Course					Assessment Pattern			
			L	T	P	C	IA	MTE	ETE	Total
1	ENVS1001	Environmental Science	3	0	0	3	20	30	50	100
2	SLBC1002	Professional Communication	2	0	2	2	50	-	50	100
3	BCAS1008	Data Structures	3	0	0	3	20	30	50	100
4	BCAS1009	Web Technology	3	0	0	3	20	30	50	100
5	BCAS1007	Principle Of Management	3	0	0	3	20	30	50	100
6	BCAS1010	Object Oriented Programming with C++	3	0	0	3	20	30	50	100
7	BCAS1011	Data Structures Lab	0	0	2	1	50		50	100
8	BCAS1012	Web Technology Lab	0	0	2	1	50		50	100
9	BCAS1013	Object Oriented Programming with C++ Lab	0	0	2	1	50		50	100
		Total	17	0	8	20				
Semester III										
Sl No	Course Code	Name of the Course					Assessment Pattern			
			L	T	P	C	IA	MTE	ETE	Total
1	BCAS2001	Computer Architecture	3	0	0	3	20	30	50	100
2	BCAS2002	Database Management System	3	0	0	3	20	30	50	100
3	BCAS2003	JAVA Programming	3	0	0	3	20	30	50	100
4	BCAS2004	Introduction to Algorithm Analysis and Design	3	0	0	3	20	30	50	100
5	LLL223	Logical Skill Building	3	0	0	2	50		50	100
6	BCAS2006	Enterprise Resource Planning	3	0	0	3	20	30	50	100
7	BCAS2007	Computer Networking	3	0	0	3	20	30	50	100
8	BCAS2008	Computer Networking Lab	0	0	2	1	50		50	100
9	BCAS2009	Java Programming Lab	0	0	2	1	50		50	100
10	BCAS2010	Database Management System LAB	0	0	2	1	50		50	100
		Total	21	0	6	23				

Semester IV										
Sl No	Course Code	Name of the Course					Assessment Pattern			
			L	T	P	C	IA	MTE	ETE	Total
1	BCAS2015	Operating System	3	0	0	3	20	30	50	100
2	BCAS2016	Software Engineering	3	0	0	3	20	30	50	100
3	BCAS2025	.Net technology	3	0	0	3	20	30	50	100
4	BCAS2021	Linux Administration	3	0	0	3	20	30	50	100
5	BCAS2013	Graph Theory	3	0	0	3	20	30	50	100
6	BCA9001	PE-1 - AI & ML Using Python	3	0	0	3	20	30	50	100
7	BCA9003	iOS, Android APP Development Lab	0	0	4	2	50		50	100
8	BCAS2026	.Net technology Lab	0	0	2	1	50		50	100
9	BCAS2022	Linux Administration Lab	0	0	2	1	50		50	100
10	BCA9002	PE-1- AI & ML using Python Lab	0	0	2	1	50		50	100
11	LLL245	Campus-to-Corporate	0	0	4	2	50		50	100
		Total	18	0	14	23				
Semester V										
Sl No	Course Code	Name of the Course					Assessment Pattern			
			L	T	P	C	IA		ETE	Total
1	BCAS3001	Big Data Computing	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	BCAS3010	Elective-II - Network Security	3	0	0	3	20	30	50	100
6	BCAS3005	Computer Graphics Lab	0	0	2	1	70		30	100
7	BCAS3011	Elective II lab - Network Security Lab	0	0	2	1	70		30	100
8	BCAS9991	Project-I	0	0	8	4	50		50	100
		Total	15	0	12	21				
Semester VI										
Sl No	Course Code	Name of the Course					Assessment Pattern			
			L	T	P	C	IA	MTE	ETE	Total
1	BCAS9999	Project Work-2	0	3	24	15	50		50	100
		Total	0	3	24	15				

BCA-2018-21
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	50		50	100
3	BCAS2030	Programming essentials in Python	3	0	0	3	20	30	50	100
4	BCAS2031	Python programming language Lab	0	0	2	1	50		50	100
5	BCA277	Linux Administration	3	0	0	3	20	30	50	100
6	BCA257	Linux Administration Lab	0	0	2	1	50		50	100
7	BCAS9001	PE-1 - AI & ML using Python(Elective) (11)	3	0	0	3	20	30	50	100
8	BCAS9002	PE-1 - AI & ML using Python Lab(Elective)	0	0	2	1	50		50	100

		Elective -II (Any one)	L	T	P	C				
1	BCA363	Multimedia System	3	0	0	3	20	30	50	100
2	BCA343	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	BCA367	Linux Administration	3	0	0	3	20	30	50	100
6	BCA347	Linux Administration Lab	0	0	2	1	70		30	100
7	BCA 362	Ad. Computer Network	3	0	0	3	20	30	50	100
8	BCA 361	Connecting Networks	3	0	0	3	20	30	50	100