

Annexure-IV

Bachelor of Computer Applications - (2021-2022)

Sem.	Semester Course Code, Course Name (L-T-P) Credits						Community Service	GP	Hrs. Per week			Credits	
	L	T	P										
1	MAL153 Mathematics -I (3-1-0)4	CLL101 Effective Communication-I (2-0-1)2.5	BCL103 Programming Fundamentals -I (2-0-4)4	BSL102 Principles of Management (2-0-2)3	CHL100 Environmental Studies (3-0-0-)3		BCS101 CS-I	BCR118 GP – 1 (1-0-0-) 1 Credit	13	1	7	17.5	
2	MAL206 Mathematical Statistics (3-1-0)4	CLL102 Effective Communication-II (2-0-1)2.5	CLL120 Human Values & Professional Ethics (2-0-0-)2	BCL104 Programming Fundamentals-II (2-0-4)4	BCL110 Problem Solving and Design Thinking (2-0-2)3	Foreign Language Elective 1 (1-2-0)3	BCS102 CS-II (140Hrs)* 2 Credit	BCR119 GP- 2 (1-0-0-) 1 Credit	13	3	7	21.5	
Summer Training												2	
3	BCL201 Data Structures (3-0-2)4	BCL203 DBMS (3-0-2)4	PCL102 Psychology for living (2-1-0)3	BCL205 Digital Electronics & Computer Architecture (3-0-2)4	Open Elective – 1 (3-0-0)3	Program Elective-1 (2-0-4-)4	BCS201 BS-III	BCR218 GP – 3 (1-0-0-) 1 Credit	17	1	10	23	
4	BCL202 Computer Networks (3-0-2)4	BCV201 Skill Development -1 (1-0-2)2	BCL204 Operating System (3-0-2)4	Open Elective – 2 (3-0-0)3	Program Elective-2 (2-0-4)4	BCL206 Analysis and Design of Algorithms (3-0-2)4	BCS202 BS-IV (140Hrs)* 2 Credit	BCR 219 GP-4 (1-0-0-) 1 Credit	16	0	12	24	
Summer	Summer Training												3
5	BSL101 Entrepreneurship (2-0-2)3	BCL303 Introduction to AI & ML (3-0-2)4	BCL305 Software Engineering (3-0-2-)4	Program Elective-3 (2-0-4-)4	BCV301 Skill Development -2 (1-0-2)2	BCD301 Project – 1 Semester at Industry/Startup Project (0-0-8)4	BCS301 BS-V	BCR318 GP-5 (1-0-0-) 1Credit	12	0	20	22	
6	Program Elective-4 (2-0-4)4	Open Elective-3 (3-0-0)3	BCD302 Project – 2 Semester at Industry/Startup Project (0-0-12)6				BCS302 BS-VI (140Hrs) 2 Credit	BCR319 GP-6 (1-0-0-) 1Credit	06	0	16	16	
Total									77	5	72	129	

* Students can utilize the summer/winter break period to complete the remaining 140 Community Service hours every year.