

The following shall be the courses of the studies under CBCS pattern
B.Sc. (Computer Science Entire) – IIC BCSPATTERN (2022-23)

SEMESTER – III (Duration – 6 Months)

Sr. No	Course Title	Teaching Scheme						Examinations scheme											
		Theory			Practical			Theory						Internal			Total		Practical
		No. of lectures	Hours	Credits	No. of Lectures	Hours	Credits	Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.	Max.	Min.	Hours.	
1	GEC-1300C (Maths)	8	6.4	4	8	6.4	2	70	28	3	30	12	1	100	40	Practical examination is annual			
2	GEC-1301C (Electronics)	8	6.4	4	8	6.4	2	70	28	3	30	12	1	100	40				
3	CC-CS-1304C (Computer Science)	8	6.4	4	8	6.4	2	70	28	3	30	12	1	100	40				
4	SEC-BCSC (Sqlite3)	-	-	-	4	2.4	2	-	-	-	-	-	-	-	-				
	Total	24	19.2	12	27	21.6	8	240			60	-		300	-				
Semester-IV (duration 6 months)																			
1	GEC-1300D (Maths)	8	6.4	4	8	6.4	2	70	28	3	30	12	1	100	40	100	40	3.2	
2	GEC-1301D (Electronics)	8	6.4	4	8	6.4	2	70	28	3	30	12	1	100	40	100	40	3.2	
3	CC-CS-1304D (Computer Science)	8	6.4	4	8	6.4	2	70	28	3	30	12	1	100	40	100	40	3.2	
4	SEC-BCSD (Python Programming)				4	2.4	2									100	40	2	
5	AECC-ENV	4	3.2	4	-	-	-	70	28	3	-	-		100	35	-	-		
								30	12	-									
		28	22.4	16	27	21.6	8	360	-	-	-	-	-	400	200	400	-	-	
	Total	52	41.6	28	54	44.8	16							700					

<ul style="list-style-type: none"> Student contact hours per week: 65 Hours (Min.) 	<ul style="list-style-type: none"> Total Marks for B.Sc. (Computer Science Entire) (Including EVS and SEC): 1100 Total Marks for B.Sc. (Computer Science Entire) (Excluding EVS): 1000
<ul style="list-style-type: none"> Theory and Practical Lectures: 48 Minutes Each 	<ul style="list-style-type: none"> Total Credits for B.Sc. (Computer Science Entire) Sem-III & IV: 56
<ul style="list-style-type: none"> AECC-Ability Enhancement Compulsory Course - EVS SEC-BCS-Skill Enhancement Course for BCS CC-Core course (computer science) SEC-BCS Examination will be conducted annually for 50 marks. Passing for SEC shall be 40% Course list as per enclosed Annexure. <i>Separate passing is mandatory for Theory, Internal and Practical.</i> 	
<ul style="list-style-type: none"> Practical Examination will be conducted annually for 100 Marks per course (subject). 	

Subject code for BCS

Sr. No	Course Name	Paper name	Credits	Marks
Semester III				
1	GEC-1300C1	Linear Algebra	04	70+30=100
2	GEC-1300C2	Numerical Methods		
3	GEC-1301C1	Instrumentation	04	70+30=100
4	GEC-1301C2	Computer organization		
5	CC-CS- 1303C1	Introduction to RDBMS using MySQL	04	70+30=100
6	CC-CS- 1303C2	OOP Using C++		
7	AECC-A	EVS		35+15=50
8	SEC-BCSC	Sqlite3	02	

Sr. No	Course Name	Paper name	Credits	Marks
Semester IV				
1	GEC-1300D1	Computational Geometry	04	70+30=100
2	GEC-1300D2	Operation Research		
3	GEC-1301D1	8051 programming,interfacing	04	70+30=100
4	GEC-1301D2	Raspberry Pi		
5	CC-CS-1303D1	Data structure using C++	04	70+30=100
8	CC-CS-1303D2	Cyber security essentials		
9	SEC-BCSD	PythonProgramming	02	100
10	AECC-B	EVS		40+10=50
11	GEC-1300P2	Mathematics Lab course	04	100
12	GEC-1301P2	Electronics Lab course	04	100
13	CC-CS1303P2	Computer Science Lab Course	04	100
			36	900+100