Scheme Document for 2021 Batch onwards

B. Tech. Computer Science and Engineering

Year	Semester	Course Code	Course Name	Type	L	T	P	Credits
		Couc	FIRST YEAR					
1 ST	1 ST	MAL	Calculus for Engineers	BS	3	1	0	4
		103						
1 ST	1 ST	BEL 102	Elements of Electrical	ES	3	0	2	4
			Engineering					
1 ST	1 ST	BSL 101	Applied Sciences	BS	3	0	2	4
1 ST	1 ST	CSL 101	Computer Programming	DC	3	0	2	4
1 ST	1 ST	ECL 101	Electronics Devices and	DC	3	0	2	4
			Circuits					
1 ST	1 ST	SAP 101	Health, Sports & Safety	HU	0	0	2	0
1 ST	1 ST	HUL 102	Environmental Studies	HU	2	0	0	2
		Sub	total		17	1	10	22
1 ST	2 nd	MAL	Matrices, Transform	BS	3	1	0	4
		104	Techniques, and Differential					
			Equations					
1 ST	2 nd	ECL 102	Digital Electronics	DC	3	0	2	4
1 ST	2 nd	CSL 102	Data Structures	DC	3	0	2	4
1 ST	2 nd	CSL 103	Application Programming	DC	3	0	2	4
1 ST	2 nd	HUL 101	Communication Skills	HU	2	0	2	3
1 ST	2 nd	BEL 101	Mechanics & Graphics	ES	3	0	2	4
Subtotal				17	1	10	23	
Total			-				45	
	SECOND YEAR			-				
2 nd	3 rd	MAL	Numerical Methods and	BS	3	1	0	4
		201	Probability Theory					
2 nd	3 rd	CSL 202	Introduction to Object Oriented	DC	3	0	2	4
			Programming					
2 nd	3 rd	CSL 203	Computer System Organisation	DC	3	0	0	3
2 nd	4 th	CSL 210	Data Structures with		2	0	2	3
	·		Applications	DC				
2 nd	3 rd	CSP 201	IT Workshop-I	DC	0	0	4	2
2 nd	3 rd	ECL 202	Microprocessors & Interfacing	DC	3	0	2	4
Subtotal			14	1	10	20		
2 nd	4 th	CSL 205	Design and Analysis of Algorithms	DC	3	0	2	4
2 nd	4 th	CSL 206	Software Engineering	DC	3	0	0	3
2 nd	4 th	CSL 207	Operating Systems	DC	3	0	2	4

2 nd	4 th	CSL 208	Design Principles of	DC	3	0	2	4
2 nd	4 th	CSL 204	Programming Languages	DC	3	1	0	4
2	4	CSL 204	Discrete Maths and Graph Theory	DC	3	1	U	4
2 nd	4 th	CSP 202	IT Workshop-II	DC	0	0	4	2
			ototal	DC	15	1	10	21
		Sub	Total		13	1	10	41
			Totai					41
			THIRD YEAR					
3 rd	5 th	CSL 301	Database Management Systems	DC	3	0	2	4
3 rd	5 th		Open Course - I	OC	3	0	0	3
3 rd	5 th	CSL 302	Computer Networks	DC	3	0	2	4
3 rd	5 th	CSL 303	Theory of Computation	DC	3	1	0	4
3 rd	5 th		Elective-I	DE	3	0	0	3
Subtotal				15	1	4	18	
3 rd	6 th	CSL 304	Compilers	DC	3	0	2	4
3 rd	6 th	CSL 305	Cryptography and Network Security	DC	3	0	2	4
3 rd	6 th		Open course-II	OC	3	0	0	3
3 rd	6 th		Elective-II	DE	3	0	0	3
3 rd	6 th		Elective –III	DE	3	0	2	4
		Sub	ototal		15	0	6	18
Total								36
			FINAL YEAR					
4 th	7 th	CSD401	Project	DE	0	0	16	8
4 th	7 th		Elective-IV	DE	3	0	0/2	3/4
4 th	7 th		Elective-V	DE	3	0	0/2	3/4
4 th	7 th		Elective-VI	DE	3	0	0	3
4 th	7 th		Elective-VII	DE	3	0	0	3
4 th	7 th		Open Course III / MooC Course*	OC	3	0	0	3
				OR		1	1	ı
4 th	7 th	CSD402	Internship	DE	0	0	16	8
Subtotal					15	0	16- 20	23-25/8
			Total					27
4 th	8 th	CSD402	Internship	DE	0	0	16	8
				OR			<u> </u>	
4 th	8 th	CSD401/ CSD403	Project / Internship - II	DE	0	0	16	8
	8 th		Elective-IV	DE	3	0	0/2	3/4
4 th	8							
4 th	8 th		Elective-V	DE	3	0	0/2	3/4
						0	0/2	3/4

4 th	8 th		Open Course III / MooC	OC	3	0	0	3
			Course*					
	Subtotal				15	0	16-	8 / 23-
						20	25	
Total							31-33	
GRAND TOTAL						153-155		

ТҮРЕ	CREDITS
BS	16
ES	08
HU	05
OC	06+03*
DE	38/40
DC	77
Total	153/155