Scheme for 2020 Batch onwards

Scheme for B. Tech. CSE

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
	2.00		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
Subtotal				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
1			SECOND YEAR					ı
2 nd	3 rd	MAL	Numerical Methods and	BS	3	1	0	4
and	ard	201	Probability Theory	D.C.				4
2 nd	3 rd	CSL 202	Introduction to Object Oriented	DC	3	0	2	4
2 nd	3 rd	CCI 202	Programming Commutes System Organization	DC	2	0	0	2
2 nd	4 th	CSL 203 CSL 210	Computer System Organisation	DC	3 2	0	0	3
2	4	CSL 210	Data Structures with Applications	DC		0	2	3
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
			ototal	DC	14	1	10	20
2 nd	4 th	CSL 205	Design and Analysis of	DC	3	0	2	4
2	-	CSL 203	Algorithms	DC				
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
			Programming Languages					
2 nd	4 th	CSL 204	Discrete Maths and Graph	DC	3	1	0	4
			Theory					
2 nd	4 th	CSP 202	IT Workshop-II	DC	0	0	4	2
		Sub	ototal		15	1	10	21
Total								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	CSD403	Project Phase - I	DE	0	0	2	2
4 th	7 th		Elective-IV	DE	3	0	2	4
4 th	7 th		Elective-V	DE	3	0	2	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		
4 th	7 th	CSD403	Project Phase - I	DE	0	0	2	2
4 th	7 th	CSD 402	Industry Internship Project	DE	0	0	4	6
			Subtotal		15	0	14	19/8
			Total					27
4 th	8 th	CSD 404	Project Phase - II	DE	0	0	4	6
4 th	8 th	CSD 402	Industry Internship Project	DE	0	0	4	6
	OR							
4 th	8 th	CSD404	Project Phase - II	DE	0	0	4	6
4 th	8 th		Elective-IV	DE	3	0	2	4
4 th	8 th		Elective-V	DE	3	0	2	4
4 th	8 th		Elective-VI	DE	3	0	0	3
4 th	8 th		Elective-VII	DE	3	0	0	3
4 th	8 th		Open Course III / MooC Course*	OC	3	0	0	3
			Subtotal		15	0	16	12 / 23
Total						31		
GRAND TOTAL							153	

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

st MooC courses are to be taken by the students after the prior approval from the concerned authority. The MooC courses can be taken either in 3rd year or in final year.