Scheme for batches 2019 and onwards
B. Tech. CSE

Year	Semester	Course Code	Course Name	Type	L	T	P	Credits
BS YEAR								
1ST	1ST	MAL 103	Calculus for Engineers	BS	3	1	0	4
1ST	1ST	BEL 102	Elements of Electrical Engineering	ES	3	0	2	4
1ST	1ST	ASL 101	Applied Sciences	BS	3	0	2	4
1ST	1ST	CSL 101	Computer Programming	DC	3	0	2	4
1ST	1ST	ECL 101	Electronics Devices and Circuits	DC	3	0	2	4
1ST	1ST	SAP 101	Health, Sports & Safety	HU	0	0	2	0
1ST	1ST	HUL 102	Environmental Studies	HU	2	0	0	2
Subtotal					17	1	10	22
1ST	2nd	MAL 104	Matrices, Transform Techniques, and Differential Equations	BS	3	1	0	4
1ST	2nd	ECL 102	Digital Electronics	DC	3	0	2	4
1ST	2nd	CSL 102	Data Structures	DC	3	0	2	4
1ST	2nd	CSL 103	Application Programming	DC	3	0	2	4
1ST	2nd	HUL 101	Communication Skills	HU	2	0	2	3
1ST	2nd	BEL 101	Mechanics & Graphics	ES	3	0	2	4
Subtotal					17	1	10	23
Total								45
SECOND YEAR								
2nd	3rd	MAL 201	Numerical Methods and Probability Theory	BS	3	1	0	4
2nd	3rd	CSL 202	Introduction to Object Oriented Programming	DC	3	0	2	4
2nd	3rd	CSL 203	Computer System Organisation	DC	3	0	0	3
2nd	4th	CSL 210	Data Structures with Applications	DC	2	0	2	3
2nd	3rd	CSP 201	IT Workshop - I	DC	0	0	4	2
2nd	3rd	ECL 202	Microprocessors & Interfacing	DC	3	0	2	4
Subtotal					14	1	10	20
2nd	4th	CSL 205	Design and Analysis of Algorithms	DC	3	0	2	4
2nd	4th	CSL 206	Software Engineering	DC	3	0	0	3
2nd	4th	CSL 207	Operating Systems	DC	3	0	2	4
2nd	4th	CSL 208	Design Principles of Programming Languages	DC	3	0	2	4
2nd	4th	CSL 204	Discrete Maths and Graph Theory	DC	3	1	0	4
2nd	4th	CSP 202	IT Workshop-II	DC	0	0	4	2
Subtotal					15	1	10	21
Total								41

			THIRD YEAR					
3rd	5th	CSL 301	Database Management Systems	DC	3	0	2	4
3rd	5th		Open Course - I	OC	3	0	0	3
3rd	5th	CSL 302	Computer Networks	DC	3	0	2	4
3rd	5th	CSL 303	Theory of Computation	DC	3	1	0	4
3rd	5th		Elective-I	DE	3	0	0	3
		Subtotal			15	1	4	18
3rd	6th	CSL 304	Compilers	DC	3	0	2	4
3rd	6th	CSL 305	Cryptography and Network Security	DC	3	0	2	4
3rd	6th		Open course-II	OC	3	0	0	3
3rd	6th		Elective-II	DE	3	0	0	3
3rd	6th		Elective –III	DE	3	0	2	4
		Subtotal			15	0	6	18
		Total						36
			FINAL YEAR					
4th	7th	CSD 403	Project Phase - I	DE	0	0	2	2
4th	7th		Elective-IV	DE	3	0	2	4
4th	7th		Elective-V	DE	3	0	2	4
4th	7th		Elective-VI	DE	3	0	0	3
4th	7th		Elective-VII	DE	3	0	0	3
4th	7th		Open course-III / MooC Course*	OC	3	0	0	3
			OR					
4th	7th	CSD 403	Project Phase - I	DE	0	0	2	2
4th	7th	CSD 402	Industry Internship Project	DE	0	0	4	6
		Subtotal			15	0	14	19 / 8
		Total						27
4th	8th	CSD 404	Project Phase - II	DE	0	0	4	6
4th	8th	CSD 402	Industry Internship Project	DE	0	0	4	6
			OR					
4th	8th	CSD 404	Project Phase - II	DE	0	0	4	6
4th	8th		Elective-IV	DE	3	0	2	4
4th	8th		Elective-V	DE	3	0	2	4
4th	8th		Elective-VI	DE	3	0	0	3
4th	8th		Elective-VII	DE	3	0	0	3
4th	8th		Open course-III / MooC Course*	OC	3	0	0	3
		Subtotal			15	0	16	12 / 23
		Total						35
		GRAND TOTAL						153

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

* 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.