

Indian Institute of Information Technology, Nagpur

Scheme 3 (SCH 3) for batches 2018 onwards

Scheme for B. Tech. CSE

Year	Semester	Course Code	Course Name	Type	L	T	P	Credits
BS YEAR								
1 ST	1 ST	MAL 101	Mathematics-I	BS	3	1	0	4
1 ST	1 ST	BEL 102	Elements of Electrical Engineering	ES	3	0	2	4
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	Analog Electronics	DC	3	0	2	4
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 102	Mathematics-II	BS	3	1	0	4
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 201	Mathematics-III	BS	3	1	0	4
2 nd	3 rd	CSL 202	Introduction to Object Oriented Programming	DC	3	0	2	4
2 nd	3 rd	CSL 203	Computer System Organization	DC	3	0	0	3
2 nd	4 th	CSL 210	Data Structures with Applications	DC	2	0	2	2
2 nd	3 rd	CSP 201	IT Workshop-I	DC	0	0	4	2

Year	Semester	Course Code	Course Name	Type	L	T	P	Credits	
2 nd	3 rd	ECL 202	Microprocessors & Interfacing	DC	3	0	2	4	
Subtotal						15	2	8	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 Programming Languages	DC	3	0	2	4	
2 nd	4 th	CSL 204	Discrete Maths and Graph Theory	DC	3	1	0	4	
2 nd	4 th	CSP 202	IT Workshop-II	DC	0	0	4	2	
Subtotal						15	0	10	21
Total									41
THIRD YEAR									
3 rd	5 th	CSL 301	Database Management Systems	DC	3	0	2	4	
3 rd	5 th	HUL 301	Open Course - I	HU	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	2	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	1	0	4	
3 rd	6 th	HUL 302	Open course-II	HU	3	0	0	3	
3 rd	6 th		Elective-II	DE	3	0	2	4	
3 rd	6 th		Elective -III	DE	3	0	0	3	
Subtotal						15	1	6	18
Total									36

Year	Semester	Course Code	Course Name	Type	L	T	P	Credits
FINAL YEAR								
4 th	7 th	CSL 401	Project	DE	0	0	4	8
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
			OR					
4 th	7 th		Industry Internship Project	DE	0	0	4	6
Subtotal					15	0	10	22/6*
Total								28
GRAND TOTAL								150
4 th	8 th		Industry Internship Project	DE	0	0	4	6
			OR					
4 th	8 th		Project	DE	0	0	4	8
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
Subtotal					15	0	10	8/20*
Total								28

Type	Credits
BS	16
ES	08
HU	11
OC	03
DE	42
DC	70
TOTAL	150