

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE
I M.TECH.(COMPUTER ENGINEERING)

Scheme 2022-23

SEMESTER - I

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	CO71016	Programming Systems	3	-	-	3	-	70	30	-	-	100
2	CO71017	Modern Computer Networks	3	-	-	3	-	70	30	-	-	100
3	CO71018	Advances in Operating Systems	3	-	-	3	-	70	30	-	-	100
4		ELECTIVE- I	3	-	-	3	-	70	30	-	-	100
5		ELECTIVE- II	3	-	-	3	-	70	30	-	-	100
6	CO71455	Laboratory. – I	-	-	4	-	2	-	-	40	60	100
7	CO71456	Laboratory. – II	-	-	4	-	2	-	-	40	60	100
9	CO71499	Comprehensive Viva	-	-	-	-	-	-	-	-	Grade	Grade
Total			15	0	8	15	4	350	150	80	120	700

SEMESTER - II

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	CO71511	Database Engineering	3	-	-	3	-	70	30	-	-	100
2	CO71512	Algorithmics	3	-	-	3	-	70	30	-	-	100
3	CO71513	Agile Software Development	3	-	-	3	-	70	30	-	-	100
4		ELECTIVE- III	3	-	-	3	-	70	30	-	-	100
5		ELECTIVE- IV	3	-	-	3	-	70	30	-	-	100
6	CO71882	Seminar	-	-	2	-	1	-	-	100	-	100
7	CO71856	Laboratory -III	-	-	2	-	1	-	-	40	60	100
8	CO71857	Laboratory – IV	-	-	4	-	2	-	-	40	60	100
9	CO71899	Comprehensive Viva	-	-	-	-	-	-	-	-	Grade	Grade
Total			15	0	8	15	4	350	150	180	120	800

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List of Elective

Elective I		Semester I
S.No	Subject Code	Subject
1	CO71221	Machine Learning
2	CO71222	Information Security
3	CO71223	Web based Apps Development
4	CO71224	Augmented Reality and Virtual Reality
5	CO71225	Multimedia System

Elective II		Semester I
S.No	Subject Code	Subject
1	CO71311	Computational Intelligence
2	CO71312	Cloud Computing
3	CO71313	Object Oriented Software Engineering
4	CO71314	Robotics
5	CO71315	Game Design

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Elective III		Semester II
S.No	Subject Code	Subject
1	CO71720	Deep and Reinforcement Learning
2	CO71721	Machine Learning for Security
3	CO71722	Software Architecture
4	CO71723	Embedded Systems and Internet of Things
5	CO71724	Human Computer Interaction

Elective IV		Semester II
S.No	Subject Code	Subject
1	CO71764	Data Science & Analytics
2	CO71765	Cyber Security and Forensics
3	CO71766	Big Data
4	CO71767	Block Chain
5	CO71768	High Performance Computing

II M.TECH. COMPUTER ENGINEERING

SEMESTER - III

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	CO71931	*Industrial Training/Term Paper	-	-	8	-	4	-	-	50	-	50
2	CO71932	Dissertation Phase-I	-	-	20	-	10	-	-	40	60	100
3	MA71902	**Research Methodology & IPR	2	-	-	2	-	70	30	-	-	100
Total			2	0	28	2	14	70	30	90	60	250

* Industrial training to be carried out between II and III semester during vacation

** This course can be studied online with prior permission of HOD, however, End-semester examination will be conducted in the Institute.

SEMESTER - IV

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	CO71952	Dissertation Phase-II	-	-	32	-	16	-	-	80	120	200
Total			0	0	32	0	16	0	0	80	120	200