

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

Scheme 2020-21

SEMESTER - I

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	CO71006	Programming Systems	3	-	-	3	-	70	30	-	-	100
2	CO71007	Modern Computer Networks	3	-	-	3	-	70	30	-	-	100
3	CO71008	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	CO71453	Laboratory. – I	-	-	4	-	2	-	-	40	60	100
7	CO71454	Laboratory. – II	-	-	4	-	2	-	-	40	60	100
9	CO71500	Comprehensive Viva	-	-	-	-	-	-	-	-	Grade	Grade
Total			15	0	8	15	4	350	150	80	120	700

SEMESTER - II

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	CO71501	Database Engineering	3	-	-	3	-	70	30	-	-	100
2	CO71502	Algorithmics	3	-	-	3	-	70	30	-	-	100
3	CO71503	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	CO71881	Seminar			2		1			100		100
7	CO71854	Laboratory -III	-	-	2	-	1	-	-	40	60	100
8	CO71855	Laboratory – IV	-	-	4	-	2	-	-	40	60	100
9	CO71900	Comprehensive Viva	-	-	-	-	-	-	-	-	Grade	Grade
Total			15	0	8	15	4	350	150	180	120	800

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Elective I		Semester I
S.No	Sub. Code	Subject
1	CO71211	Machine Learning
2	CO71212	Information Security
3	CO71213	Web based Apps Development
4	CO71214	Augmented Reality and Virtual Reality
5	CO71215	Multimedia System

Elective II		Semester I
S.No	Sub. Code	Subject
1	CO71301	Computational Intelligence
2	CO71302	Cloud Computing
3	CO71303	Object Oriented Software Engineering
4	CO71304	Robotics
5	CO71305	Game Design

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Elective III		Semester II
S.No	Sub. Code	Subject
1	CO71710	Deep and Reinforcement Learning
2	CO71711	Machine Learning for Security
3	CO71712	Software Architecture
4	CO71713	Embedded Systems and Internet of Things
5	CO71714	Human Computer Interaction

Elective IV		Semester II
S.No	Sub. Code	Subject
1	CO71759	Data Science & Analytics
2	CO71760	Cyber Security and Forensics
3	CO71761	Big Data
4	CO71762	Block Chain
5	CO71763	High Performance Computing

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SEMESTER - III

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	CO71901	Dissertation Phase-I	-	-	20	-	20	-	-	100	150	250
Total			0	0	20	0	20	0	0	100	150	250

SEMESTER - IV

(Admitted before 2012)

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	CO 7196	Dissertation Phase-II	-	-	22	-	22	-	-	160	240	400
Total			0	0	22	0	22	0	0	160	240	400

(Admitted in 2012-2016)

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	CO 7194	Dissertation Phase-II	-	-	30	-	30	-	-	160	240	400
Total			0	0	30	0	30	0	0	160	240	400

(Admitted in and after 2017)

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	CO71951	Dissertation Phase-II	-	-	30	-	30	-	-	160	240	400
Total			0	0	30	0	30	0	0	160	240	400