

Shri Govindram Seksariya Institute of Technology & Science, Indore
MASTER OF COMPUTER APPLICATION (2YDC) Applicable from july 2024

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	CT10209	Computer organisation & Architecture	3	-	-	3	-	70	30	-	-	100
2	MA10220	Statistical computing techniques	3	-	-	3	-	70	30	-	-	100
3	CT10211	Mathematical Foundation of Computer Science	3	-	-	3	-	70	30	-	-	100
4	CT10222	Data Structure	3	-	-	3	-	70	30	-	-	100
5	CT10213	Software Engineering	3	-	-	3	-	70	30	-	-	100
6	MA10401	Statistical computing technique LAB	-	-	2	-	1	-	-	40	60	100
7	CT10402	Data Structure LAB	-	-	2	-	1	-	-	40	60	100
8	CT10403	C Programming LAB	-	2	2	-	3	-	-	40	60	100
9	CT10404	Software Engineering LAB	-	-	2	-	1	-	-	40	60	100
10	HU10453	Communication Skill LAB	-	-	2	-	1	-	-	20	30	50
Total			15	2	10	15	7	350	150	180	270	950

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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	CT10715	Computer Networks	3	-	-	3	-	70	30	-	-	100
2	CT10716	Data Base Management System	3	-	-	3	-	70	30	-	-	100
3	CT10718	Object Oriented Programming using Java	3	-	-	3	-	70	30	-	-	100
4	CT10719	Operating System	3	-	-	3	-	70	30	-	-	100
5	CT10901	Design and Analysis OF Algorithm	3	-	-	3	-	70	30	-	-	100
6	CT10902	Computer Networks Lab	-	-	2	-	1	-	-	40	60	100
7	CT10903	Data Base Management System Lab	-	-	2	-	1	-	-	40	60	100
8	CT10904	Operating System Lab	-	-	2	-	1	-	-	40	60	100
9	CT10905	Design and Analysis of Algorithm Lab	-	-	2	-	1	-	-	40	60	100
10	CT10906	Object Oriented Programming using Java Lab	-	-	2	-	1	-	-	40	60	100
11	CT10999	Minor Project			2		1	-	-	40	60	100
Total			15	0	12	15	6	350	150	240	360	1100

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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	CT20002	Information Security	3	-	-	3	-	70	30	-	-	100
2	MB20005	Fundamental of Management & Organisation Behaviour	3	-	-	3	-	70	30	-	-	100
3	CT20004	Internet and Web Technology	3	-	-	3	-	70	30	-	-	100
4		Elective I	3	-	-	3	-	70	30	-	-	100
5		Elective II	3	-	-	3	-	70	30	-	-	100
6	CT20401	Internet and Web Technology Lab	-	-	2	-	1	-	-	40	60	100
7		Elective Lab	-	-	2	-	1	-	-	40	60	100
8	CT20402	Python Lab		1	2	-	2	-	-	40	60	100
9	CT20403	Mobile App Development Lab			2	-	1	-	-	40	60	100
10	CT20405	Skill Development Lab			2	-	1	-	-	40	60	100
Total			15	1	10	15	6	350	150	200	300	1000

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	CT20900	Major Project	-	-	32	-	16	-	-	300	200	500
Total			0	0	32	0	16	0	0	300	200	500

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List of electives

ELECTIVE I		Semester III
S.NO.	Subject Code	Subject
1	CT20205	Big Data Analytics
2	CT20206	Machine Learning
3	CT20207	Data Mining and Warehousing
4	CT20208	Distributed Computing

ELECTIVE I LAB		Semester III
S.NO.	Subject Code	Subject
1	CT20483	Big Data Analytics Lab
2	CT20484	Machine Learning Lab
3	CT20485	Data Mining and Warehousing Lab
4	CT20486	Distributed Computing Lab

ELECTIVE II		Semester III
S.NO.	Subject Code	Subject
1	CT20301	Advanced Operating System
2	CT20302	Artificial Intelligence
3	CT20303	Mobile Computing
4	CT20304	Internet of Things
5	CT20305	Cloud Computing

Total Credits for MCA=80