

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE  
I MASTER OF COMPUTER APPLICATIONS (2YDC) Applicable from July'2020

**SEMESTER I**

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credi	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1	CT10209	Computer Organization & Architecture	4	-	-	3	-	70	30	-	-	100
2	MA10210	Statistical Computing Technoques	4	-	2	3	1	70	30	40	60	200
3	CT10211	Mathematical Foundations of Computer Science	4	-	-	3	-	70	30	-	-	100
4	CT10212	Data Structure	4	-	2	3	1	70	30	40	60	200
5	CT10213	Software Engineering	4	-		3	-	70	30	-	-	100
6	CT10452	Programming Lab-I	-	2	2	-	3	-	-	40	60	100
7	CT10453	Commnication Skill Lab	-	-	2	-	1	-	-	-	50	50
<b>Total</b>			20	2	8	15	6	350	150	120	230	850

**SEMESTER II**

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credi	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1	CT10705	Computer Networks	4	-	2	3	1	70	30	40	60	200
2	CT10706	Data Base Management Systems	4	-	2	3	1	70	30	40	60	200
3	CT10708	Object Oriented Programming Using Java	4	-	2	3	1	70	30	40	60	200
4	CT10709	Operating Systems	4	-	2	3	1	70	30	40	60	200
5	MB10710	Fundamental of Management & Organization Behaviour	4	-	-	3	-	70	30	-	-	100
6	CT10952	Seminar Lab.	-	-	2	-	1	-	-	40	60	100
<b>Total</b>			20	0	10	15	5	350	150	200	300	1000

## SHRI G S INSTITUTE OF TECHNOLOGY &amp; SCIENCE, INDORE

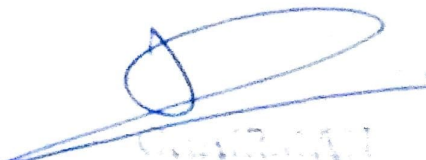
## II MASTER OF COMPUTER APPLICATIONS (2YDC) (Applicable from admission year 2020)

## SEMESTER III

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credi	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1	CT20002	Information Security	4	-	-	3	-	70	30	-	-	100
2	CT20003	Analysis & Design of Algorithm	4	-	-	3	-	70	30	-	-	100
3	CT20004	Internet and Web Technology	4	-	2	3	1	70	30	40	60	200
4		Elective I	4	-	2	3	1	70	30	40	60	200
5		Elective II	4	-	-	3	-	70	30	-	-	100
6	CT20481	Programming Lab II	-	-	2	-	1	-	-	40	60	100
7	CT20482	Programming Lab III	-	-	2	-	1	-	-	40	60	100
8	CT20500	Minor Project Lab	-	-	4	-	4	-	-	40	60	100
<b>Total Credits 23</b>			20	0	12	15	8	350	150	200	300	1000

## SEMESTER IV

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credi	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1	CT20900	Major Project	-	-	16	-	16	-	-	300	200	500
<b>Total Credits 16</b>			0	0	16	0	16	0	0	300	200	500

  
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SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE  
II MASTER OF COMPUTER APPLICATIONS (3YDC)

Elective I		Semester III
S.No.	Subject Code	Subject
1	CT20201	Big Data Analytics
2	CT20202	Machine Learning
3	CT20203	Data Mining and Warehousing
4	CT20204	Distributed Computing

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

  
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III MASTER OF COMPUTER APPLICATIONS (3YDC)


## SEMESTER V

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credi	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1	CT30011	Internet & Web Technology	4	-	2	4	2	70	30	20	30	150
2	CT30013	Object Oriented Software Engineering	4	-	2	4	2	70	30	20	30	150
3		Elective - II	4	-	-	4	-	70	30	-	-	100
4	CT30045	E-Commerce & Information Security	4	-	-	4	-	70	30	-	-	100
5	CT30481	Seminar	-	-	2	-	2	-	-	100	-	100
6	CT30499	Minor Project	-	-	8	-	8	-	-	100	150	250
<b>Total</b>			16	0	14	16	14	280	120	240	210	850

## SEMESTER VI

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credi	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1	CT30999	Major Project	-	-	30	-	30	-	-	200	300	500
<b>Total</b>			0	0	30	0	30	0	0	200	300	500

Elective II		Semester V	
S.No.	Subject Code	Subject	
1	CT30201	Data Warehousing & Data Mining	
2	CT30202	Distributed Computing	
3	CT30203	Mobile Computing & Communication	
4	CT30204	Big Data Analytics	
5	CT30205	Entrepreneurship & IT Laws	
6	CT30227	Cloud Computing	

  
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