

A tentative semester-wise course listing is placed below as reference.

Semester	Course Code	Course Name	Credits ( Lecture - Tutorial - Practicals)			Total Credits (C)
			L	T	P	
I	MS441	Discrete Mathematics	3	1	0	4
	CS441	Computer Programming and Problem Solving	3	0	3	5
	CS443	Python Programming	3	0	2	4
	CS445	Operating Systems	3	0	2	4
	CS447	Basics of Web Programming	2	0	2	3
	HS441	Spoken and Written Communication	1	0	2	2
	IK101	Introduction to Yoga	0	0	2	1
	<b>Total Credits</b>			<b>15</b>	<b>1</b>	<b>13</b>
II	MS442	Probability & Statistics	3	1	0	4
	CS442	Data Structures	3	0	2	4
	EC442	Digital Designs and Computer Architecture	3	0	2	4
	CS444	Database Management Systems	3	0	2	4
	CS446	Computer Networks	3	0	2	4
	HS442	Technical writing	0	1	2	2
	<b>Total Credits</b>			<b>15</b>	<b>2</b>	<b>10</b>
III	MS541	Linear Algebra	3	1	0	4
	CS541	Design & Analysis of Algorithms	3	0	2	4
	CS543	Web Technology	2	0	2	3
	CS545	Software Engineering	3	0	2	4
	CS547	Object Oriented Programming	3	0	2	4
	HS541	Science, Technology and Society	2	1	0	3
	CS591	Minor Project – I	0	0	6	3
	<b>Total Credits</b>			<b>16</b>	<b>2</b>	<b>14</b>
IV	CS542	Big Data Analytics	3	0	2	4
	CS544	Machine Learning	3	0	2	4
	CS546	Information Security	3	0	2	4
	CS548	Elective – I	3	0	0	3
	CS552	Elective – II	3	0	2	4
	CS592	Minor Project – II	0	0	6	3
	<b>Total Credits</b>			<b>15</b>	<b>0</b>	<b>14</b>

V	CS641	Artificial Intelligence	3	0	2	4
	CS643	Distributed and Cloud Computing	3	0	0	3
	CS645	Elective – 3	3	0	0	3
	CS647	Elective – 4	3	0	2	4
	CS649	Elective – 5	3	0	0	3
	CS691	Minor Project-III	0	0	8	4
	<b>Total Credits</b>		<b>15</b>	<b>0</b>	<b>12</b>	<b>21</b>
VI	CS692	Dissertation (Major Project)	0	0	36	18
	<b>Total Credits</b>		<b>0</b>	<b>0</b>	<b>36</b>	<b>18</b>