

**M.Sc. Computer Science - Programme structure Affiliated Colleges**

S.No	Paper Code	Courses	Title of the paper	T/P	Credits	Hours/ Week	Marks		
							I	E	Total
<b>I Semester</b>									
I	23MCE1C1	Core 1	Analysis & Design of Algorithms	T	5	5	25	75	100
	23MCE1C2	Core 2	Object Oriented Analysis And Design	T	5	5	25	75	100
	23MCE1C3	Core 3	Python Programming	T	4	5	25	75	100
	23MCE1E1/ 23MCE1E2	DSE-1	Advanced Software Engineering/ Embedded systems	T	3	5	25	75	100
	23MCE1P1	Practical-I	Algorithm Lab	P	3	5	25	75	100
	23MCE1P2	Practical-II	Python Programming Lab	P	3	5	25	75	100
					<b>23</b>	<b>30</b>	<b>150</b>	<b>450</b>	<b>600</b>
<b>II Semester</b>									
II	23MCE2C1	Core 4	Data Mining and Data Warehousing	T	5	5	25	75	100
	23MCE2C2	Core 5	Principles of Compiler Design	T	5	5	25	75	100
	23MCE2C3	Core 6	Advanced Java Programming	T	4	5	25	75	100
	23MCE2E1/ 23MCE2E2	DSE-3	Artificial Intelligence & Machine Learning / Block Chain Technologies	T	3	5	25	75	100
	23MCE2P1	Practical-III	Advanced Java Programming Lab	P	3	5	25	75	100
	23MCE2SP	SEC-1	Web Technology Lab	P	2	5	25	75	100
					<b>22</b>	<b>30</b>	<b>150</b>	<b>450</b>	<b>600</b>
<b>III Semester</b>									
III	23MCE3C1	Core 7	Digital Image Processing	T	5	5	25	75	100
	23MCE3C2	Core 8	Cloud Computing	T	5	5	25	75	100
	23MCE3C3	Core 9	Data Science & Analytics	T	5	5	25	75	100
	23MCE3P1	Practical-IV	Digital Image Processing using MATLAB Lab	P	4	5	25	75	100
	23MCE3E1/ 23MCE3E2	DSE-5	Network Security and Cryptography /Advanced Internet of Things	T	3	5	25	75	100
	23MCE3SP	SEC-2	Data Mining using R Lab	P	2	5	25	75	100
	23MCE3I		Internship/Industrial Activity		2	-	25	75	100
					<b>26</b>	<b>30</b>	<b>175</b>	<b>525</b>	<b>700</b>
<b>IV Semester</b>									
IV	23MCE4C1	Core 11	Distributed Operating System	T	5	5	25	75	100
	23MCE4C2	Core 12	Artificial Neural Networks	T	5	5	25	75	100
	23MCE4PR	Core 13	Project with Viva-Voce		6	10	25	75	100
	23MCE4E1/ 23MCE4E2	DSE-6	Parallel Processing / Cyber Security	T	4	5	25	75	100
	23MCE4S1	SEC-3	Robotics	T	2	5	25	75	100
	--		Extension Activity / Industrial Visit		1				
<b>Total</b>					<b>23</b>	<b>30</b>	<b>125</b>	<b>375</b>	<b>500</b>
					<b>94</b>		<b>600</b>	<b>1800</b>	<b>2400</b>
					<b>+EC</b>				

**Core Courses**

DSE – Discipline Specific Elective –Give more option to the student (Choice) and it may be conducted by