



# SEETHALAKSHMI RAMASWAMI COLLEGE

(Autonomous)

Affiliated to Bharathidasan University

Tiruchirappalli

Accredited with A+ by NAAC (4<sup>th</sup> Cycle)



**M.Sc. COMPUTER SCIENCE**

**Revised CBCS - OBE - BASED Curriculum Structure**

*(For students admitted from 2021 onwards)*

SEM	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/ EXT	CIA	SE	TOTAL
<b>I</b>	Core Course-I	P211CSMT01	Java Programming	6	5	EXT	25	75	100
	Core Course-II	P211CSMT02	Linux Operating System	6	5	EXT	25	75	100
	Core Course-III	P211CSMT03	Design and Analysis of Algorithms	6	5	EXT	25	75	100
	MBE-I	P211CSME01:1	Artificial Intelligence and Machine Learning	5	4	EXT	25	75	100
	Core Practical-I		<b>Practical-I:</b> Linux	3	-	-	-	-	-
	Core Practical-II		<b>Practical-II:</b> Java and Visual C# Programming	4	-	-	-	-	-
			<b>TOTAL</b>	<b>30</b>	<b>19</b>				<b>400</b>

SEM	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/ EXT	CIA	SE	TOTAL
<b>II</b>	Core Course-IV	P212CSMT04	Internet of Things	6	5	EXT	25	75	100
	Core Course-V	P212CSMT05	Programming with Visual C#	6	5	EXT	25	75	100
	MBE-II	P212CSME02:1	Software Testing	5	4	EXT	25	75	100
	Core Practical-I	P212CSMP01	<b>Practical-I:</b> Linux	4	4	EXT	40	60	100
	Core Practical-II	P212CSMP02	<b>Practical-II:</b> Java and Visual C# Programming	4	4	EXT	40	60	100
	NME	P212CSNE01	Offered by other Departments	5	4	EXT	25	75	100
			<b>TOTAL</b>	<b>30</b>	<b>26</b>				<b>600</b>

SEM	COURSE		COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOTAL
<b>III</b>	Core Course-VI	P213CSMT06	Mobile Communications	6	5	EXT	25	75	100
	Core Course-VII	P213CSMT07	Computer Networks and Network security	6	5	EXT	25	75	100
	Core Course-VIII	P213CSMT08	Data Mining Concepts and Techniques	6	5	EXT	25	75	100
	MBE-III	P213CSME03:1	Distributed Technologies	5	4	EXT	25	75	100
	Core Practical-III		<b>Practical-III:</b> Data Mining	3	-	-	-	-	-
	Core Practical-IV		<b>Practical-IV:</b> Distributed Technologies	4	-	-	-	-	-
			<b>TOTAL</b>	<b>30</b>	<b>19</b>				<b>400</b>

SEM	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOTAL
<b>IV</b>	Core Course-IX	P214CSMT09	Embedded Systems	6	5	EXT	25	75	100
	Core Course-X	P214CSMT10	Principles of Big Data	6	5	EXT	25	75	100
	MBE-IV	P214CSME04:1	Web Services	5	4	EXT	25	75	100
	Core Practical-III	P214CSMP03	<b>Practical-III:</b> Data Mining	4	4	EXT	40	60	100
	Core Practical-IV	P214CSMP04	<b>Practical-IV:</b> Distributed Technologies	3	4	EXT	40	60	100
	Project	P214CSPJ01	Project	6	4	EXT	20	80	100
			<b>TOTAL</b>	<b>30</b>	<b>26</b>				600
			<b>GRAND TOTAL</b>	<b>120</b>	<b>90</b>				<b>2000</b>

<b>TOTAL DISTRIBUTION OF HOURS, CREDITS &amp; MARKS FOR PG PROGRAMME</b>			
<b>SEMESTER</b>	<b>HOURS</b>	<b>CREDITS</b>	<b>TOTAL MARKS</b>
I	30	19	400
II	30	26	600
III	30	19	400
IV	30	26	600
<b>TOTAL</b>	<b>120</b>	<b>90</b>	<b>2000</b>

<b>LIST OF MAJOR BASED ELECTIVE COURSES</b>									
<b>SEM</b>	<b>COURSE</b>	<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>HRS</b>	<b>CRD</b>	<b>INT/EXT</b>	<b>CIA</b>	<b>SE</b>	<b>TOT</b>
I	MBE-I	P211CSME01:1	<b>Artificial Intelligence and Machine Learning</b> / Advanced Computer Architecture	4	4	EXT	25	75	100
II	MBE-II	P212CSME02:1	<b>Software Testing</b> / Advanced Database Management Systems	5	4	EXT	25	75	100
III	MBE-III	P213CSME03:1	<b>Distributed Technologies</b> / Parallel Processing	4	4	EXT	25	75	100
IV	MBE-IV	P214CSME04:1	<b>Web Services</b> / Android Applications	4	4	EXT	25	75	100

<b>NME OFFERED BY THE DEPARTMENT TO OTHER DEPARTMENT STUDENTS</b>									
<b>SEM</b>	<b>COURSE</b>	<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>HRS</b>	<b>CRD</b>	<b>INT/EXT</b>	<b>CIA</b>	<b>SE</b>	<b>TOT</b>
I	NME	P212CSNE01	Principles of Java Programming	5	4	EXT	25	75	100