



**SEETHALAKSHMI RAMASWAMI COLLEGE**

**(Autonomous)**

**Affiliated to Bharathidasan University**

**Tiruchirappalli**

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



**CBCS - OBE Curriculum Structure  
(For Students admitted from 2024 onwards)**

SEM	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/ EXT	CIA	SE	TOTAL
I	Core course-I		Linear Algebra	6	5	EXT	25	75	100
	Core course-II		Real Analysis	6	5	EXT	25	75	100
	Core course-III		Ordinary Differential equations	6	4	EXT	25	75	100
	Core course-IV		Graph Theory	6	5	EXT	25	75	100
	MBE-I		Optimization Techniques/Theory of Automata	6	4	EXT	25	75	100
			<b>Total credits and marks</b>	<b>30</b>	<b>23</b>				<b>500</b>
II	Core course-V		Topology	6	5	EXT	25	75	100
	Core course-VI		Complex Analysis	6	5	EXT	25	75	100
	MBE-II		Differential Geometry/Fuzzy Mathematics	6	4	EXT	25	75	100
	Core Practical		Core Practical : Object Oriented Programming in C++	6	4		40	60	100
	NME		OFFERED BY OTHER DEPARTMENTS	6	4	EXT	25	75	100
			<b>Total credits and marks</b>	<b>30</b>	<b>22</b>				<b>500</b>
	EXTRA CREDIT COURSE		<b>Extension Activity (during I Semester vacation- Report,Photo &amp; Feedback from beneficiaries)</b>		<b>1</b>	INT			<b>100</b>
	EXTRA CREDIT COURSE		<b>Internship-I (during I Semester vacation) online/offline certificate,Report &amp; Photo</b>		<b>2</b>	INT			<b>100</b>

SEM	COURSE		COURSE TITLE	HRS	CRD	INT/ EXT	INT	EX T	TOTAL
III	Core course-VII		Abstract Algebra	6	5	EXT	25	75	100
	Core course-VIII		Measure and Integration	6	5	EXT	25	75	100
	Core course-IX		Partial Differential Equations	6	4	EXT	25	75	100
	Core course X		Stochastic Processes	6	5	EXT	25	75	100
	MBE-III		Calculus of Variations and Integral Equations / Algebraic Topology	6	4	EXT	25	75	100
			<b>Total credits and marks</b>	<b>30</b>	<b>23</b>				<b>500</b>
			<b>Value Added Course- offered to the same department -Beyond class hours</b>	<b>2</b>	<b>2</b>	INT	25	75	<b>100</b>
	EXTRA CREDIT COURSE		<b>ONLINE course MOOC/SWAYAM/NPTEL- Before III Semester</b>	-	<b>2</b>	INT	-	-	<b>100</b>
	EXTRA CREDIT COURSE		<b>Internship-II (during II Semester vacation) online/offline certificate,Report &amp; Photo</b>	-	<b>2</b>	INT	-	-	<b>100</b>
IV	Core course-XI		Functional Analysis	6	5	EXT	25	75	100
	Core course-XII		Fluid Dynamics	6	5	EXT	25	75	100
	Core course -XIII		Advanced Numerical Analysis	6	4	EXT	25	75	100
	Industry Based Course		Classical Dynamics/Theory of Probability	6	4	EXT	25	75	100
	Project		Project	6	4	EXT	20	80	100
			<b>Total credits and marks</b>	<b>30</b>	<b>22</b>				<b>500</b>
			<b>GRAND TOTAL</b>	<b>120</b>	<b>90</b>				<b>2000</b>
	EXTRA CREDIT COURSE		<b>Certificate Course (IKS) offered to other departments (beyond class hours)</b>	<b>2</b>	<b>2</b>	INT	25	75	100