

Shree Rahul Education Society's  
**SHREE L.R. TIWARI COLLEGE OF ENGINEERING**

Kanakia Park, Mira Road(E), Thane-401107, Maharashtra.  
 Tel.: (022)65142376/65295732, Telefax: (022)28172573, Website: www.slrtee.in

**Programme Structure of B.E. in Computer Engineering, University of Mumbai (As per Semester Based Credit and Grading System)(REV-2012)**

Semester	Sr. No.	Name of the Subject	Teaching Scheme (Contact Hours)			Examination Scheme							Credits Assigned				
						Theory Marks			End Sem Exam	Exam Duration (Hours)	TW (Marks)	PR/OR (Marks)	Total (marks)	Theory (points)	Practical (point)	Tutorial (points)	Total (points)
			Internal Assessment			Test-1	Test-2	Avg.									
			TH	PR	TU.												
<b>I</b>	1	Applied Mathematics-I	4	--	1	20	20	20	80	3	25	--	125	4	--	1	5
	2	Applied Physics-I	3	1	--	15	15	15	60	2	25	--	100	3	0.5	--	3.5
	3	Applied Chemistry -I	3	1	--	15	15	15	60	2	25	25	100	3	0.5	--	3.5
	4	Engineering Mechanics	5	2	--	20	20	20	80	3	25	25	150	5	1	--	6
	5	Basic Electrical&Electronics Engg.	4	2	--	20	20	20	80	3	25	--	125	4	1	--	5
	6	Environmental studies	2	--	--	15	15	15	60	2	0	--	75	2	--	--	2
	7	Basic Workshop Practice-I	--	4	--	--	--	--	--	--	50	--	50	--	2	--	2
	<b>Total --&gt;</b>			<b>21</b>	<b>10</b>	<b>1</b>	<b>--</b>	<b>--</b>	<b>105</b>	<b>420</b>	<b>--</b>	<b>175</b>	<b>50</b>	<b>750</b>	<b>21</b>	<b>5</b>	<b>1</b>

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			Internal Assessment			Test-1	Test-2	Avg.									
			TH	PR	TU.												
<b>II</b>	1	Applied Mathematics-II	4	0	1	20	20	20	80	20	25	--	125	4	--	1	5
	2	Applied Physics-II	3	1	0	15	15	15	60	15	25	--	100	3	0.5	--	3.5
	3	Applied Chemistry -II	3	1	0	15	15	15	60	15	25	--	100	3	0.5	--	3.5
	4	Engineering Drawing	3	4	0	15	15	15	60	15	25	50	150	3	2	--	5
	5	Structure Programming Approach	4	2	0	20	20	20	80	20	25	25	150	4	1	--	5
	6	Communication Skill	2	2	0	10	10	10	40	10	25	0	75	2	1	--	3
	7	Basic Workshop Practice-II	0	4	0	--	--	--	--	--	50	0	50	--	2	--	2
	<b>Total --&gt;</b>			<b>19</b>	<b>14</b>	<b>1</b>	<b>--</b>	<b>--</b>	<b>95</b>	<b>380</b>	<b>95</b>	<b>200</b>	<b>75</b>	<b>750</b>	<b>19</b>	<b>7</b>	<b>1</b>

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			Internal Assessment			Test-1	Test-2	Avg.									
			TH	PR	TU.												
<b>III</b>	1	Applied Mathematics III*	4	--	1#	20	20	20	80	3	25	--	125	4	--	1	5
	2	Object Oriented Programming Methodology*	4	2	0	20	20	20	80	3	25	25	150	4	1	--	5
	3	Data Structures	4	2	0	20	20	20	80	3	25	25	150	4	1	--	5
	4	Digital Logic Design and Analysis	3	2	0	20	20	20	80	3	25	--	125	3	1	--	4
	5	Discrete Structures	4	--	0	20	20	20	80	3	--	--	100	4	--	--	4
	6	Electronic Circuits and Communication Fundamentals	4	2	0	20	20	20	80	3	25	25	150	4	1	--	5
	<b>Total --&gt;</b>			<b>23</b>	<b>8</b>	<b>1</b>	<b>--</b>	<b>--</b>	<b>120</b>	<b>480</b>	<b>--</b>	<b>125</b>	<b>75</b>	<b>750</b>	<b>23</b>	<b>4</b>	<b>1</b>

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			Internal Assessment			Test-1	Test-2	Avg.									
			TH	PR	TU.												
<b>IV</b>	1	Applied Mathematics IV*	4	--	1	20	20	20	80	3	25	--	125	4	--	1#	5
	2	Analysis of Algorithms	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5
	3	Computer Organization and Architecture*	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5
	4	Data Base Management Systems	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5
	5	Theoretical Computer Science	4	--	--	20	20	20	80	3	--	--	100	4	--	--	4
	6	Computer Graphics	3	2	--	20	20	20	80	3	25	25	150	3	1	--	4
	<b>Total --&gt;</b>			<b>23</b>	<b>8</b>	<b>1</b>	<b>--</b>	<b>--</b>	<b>120</b>	<b>480</b>	<b>--</b>	<b>125</b>	<b>100</b>	<b>825</b>	<b>23</b>	<b>4</b>	<b>1</b>

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			Internal Assessment														
			TH	PR	TU.	Test-1	Test-2	Avg.									
V	1	Microprocessor	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5
	2	Operating Systems	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5
	3	Structured and Object Oriented Analysis and Design	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5
	4	Computer Networks	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5
	5	Web Technologies Laboratory	--	4	--	--	--	--	--	--	25	50	75	--	2	--	2
	6	Business Communication and Ethics	--	4	--	--	--	--	--	--	50	--	50	--	2	--	2
	<b>Total --&gt;</b>			<b>16</b>	<b>16</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>80</b>	<b>320</b>	<b>--</b>	<b>175</b>	<b>150</b>	<b>725</b>	<b>16</b>	<b>8</b>	<b>--</b>

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			Internal Assessment														
			TH	PR	TU.	Test-1	Test-2	Avg.									
<b>VI</b>	1	System Programming and Compiler Construction	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5
	2	Software Engineering	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5
	3	Distributed Databases	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5
	4	Mobile Communication and Computing	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5
	5	Elective-I (Project Management)	--	4	--	--	--	--	--	--	25	50	75	--	2	--	2
	6	Network Programming Laboratory	--	4	--	--	--	--	--	--	50	--	50	--	2	--	2
	<b>Total --&gt;</b>			<b>16</b>	<b>16</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>80</b>	<b>320</b>	<b>--</b>	<b>175</b>	<b>150</b>	<b>725</b>	<b>16</b>	<b>8</b>	<b>--</b>

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			Internal Assessment															
			TH	PR	TU.	Test-1	Test-2	Avg.										
<b>VII</b>	1	Digital Signal Processing	4	2	--	20	20	20	80	3	25	--	125	4	1	--	5	
	2	Cryptography and System Security	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5	
	3	Artificial Intelligence	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5	
	4	Elective-II	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5	
	5	Network Threats and Attacks Laborator	--	4	--	--	--	--	--	--	--	25	50	100	--	2	--	2
	6	Project - I	--	6	--	--	--	--	--	--	--	50	50	75	--	3	--	3
	<b>Total --&gt;</b>			<b>16</b>	<b>18</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>80</b>	<b>320</b>	<b>--</b>	<b>175</b>	<b>175</b>	<b>750</b>	<b>16</b>	<b>9</b>	<b>--</b>	<b>25</b>

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			Internal Assessment														
			TH	PR	TU.	Test-1	Test-2	Avg.									
<b>VIII</b>	1	Data Warehouse and Mining	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5
	2	Human Machine Interaction	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5
	3	Parallel and Distributed Systems	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5
	4	Elective-III	4	2	--	20	20	20	80	3	25	25	150	4	1	--	5
	5	Project-II	--	12#	--	--	--	--	--	--	50	50	100	--	6	--	6
	5	Cloud Computing Laboratory	--	6	--	--	--	--	--	--	25	--	25	--	1	--	1
	<b>Total --&gt;</b>			<b>16</b>	<b>22</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>80</b>	<b>320</b>	<b>--</b>	<b>175</b>	<b>150</b>	<b>725</b>	<b>16</b>	<b>11</b>	<b>--</b>