

		<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
<b>15ME103L</b>	<b>ACTIVE LEARNING LABORATORY</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>
	Prerequisite				
	Nil				

### PURPOSE

To make the students to understand some basic concepts using learning through discovery method.

### INSTRUCTIONAL OBJECTIVES

To familiarise the students with basic concepts, theorems, etc.

### LIST OF EXPERIMENTS

1. Verifying Lami's theorem
2. Verifying Lami's theorem using Angle method
3. Find out unknown weight using Lami's theorem (Angle method)
4. Find out two unknown weights using Lami's theorem(Angle method)
5. Discovering Friction (Activity – I)
6. Discovering Friction (Activity – II)
7. Discovering Friction (Activity – III)
8. Discovering Friction (Activity – IV)
9. Verify Grashof's Law
10. Inversion of Four bar mechanism

**TOTAL      30**

### REFERENCE BOOKS

1. Laboratory Manual.

<b>15ME103L ACTIVE LEARNING LABORATORY</b>												
<b>Course designed by</b>		<b>Department of Mechanical Engineering</b>										
<b>1</b>	<b>Student Outcome</b>	<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>	<b>e</b>	<b>f</b>	<b>g</b>	<b>h</b>	<b>i</b>	<b>j</b>	<b>k</b>
		<b>X</b>	<b>X</b>			<b>X</b>					<b>X</b>	
<b>2</b>	<b>Mapping of instructional objectives with student outcome</b>	<b>1</b>	<b>1</b>			<b>1</b>					<b>1</b>	
<b>3</b>	<b>Category</b>	<b>GENERAL (G)</b>			<b>BASIC SCIENCES (B)</b>			<b>ENGINEERING SCIENCES AND TECHNICAL ART (E)</b>			<b>PROFESSIONAL SUBJECTS (P)</b>	
					<b>X</b>							
<b>4</b>	<b>Approval</b>	23 <sup>rd</sup> meeting of the Academic Council , May 2013										