



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
**KAKINADA – 533 003, Andhra Pradesh, India**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

<b>I Year - II Semester</b>		<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
		<b>0</b>	<b>0</b>	<b>3</b>	<b>1.5</b>
<b>WORKSHOP PRACTICE LAB</b>					

**Course Objective: To impart hands-on practice on basic engineering trades and skills.**

**Note: At least two exercises to be done from each trade. Trade:**

- |                        |  |
|------------------------|--|
| <b>1. Carpentry</b>    | <ol style="list-style-type: none"> <li>1. T-Lap Joint</li> <li>2. Cross Lap Joint</li> <li>3. Dovetail Joint</li> <li>4. Mortise and Tenon Joint</li> </ol>  |
| <b>2. Fitting</b>      | <ol style="list-style-type: none"> <li>1. Vee Fit</li> <li>2. Square Fit</li> <li>3. Half Round Fit</li> <li>4. Dovetail Fit</li> </ol>  |
| <b>3. Black Smithy</b> | <ol style="list-style-type: none"> <li>1. Round rod to Square</li> <li>2. S-Hook</li> <li>3. Round Rod to Flat Ring</li> <li>4. Round Rod to Square headed bolt</li> </ol>                                     |
| <b>4. House Wiring</b> | <ol style="list-style-type: none"> <li>1. Parallel / Series Connection of three bulbs</li> <li>2. Stair Case wiring</li> <li>3. Florescent Lamp Fitting</li> <li>4. Measurement of Earth Resistance</li> </ol> |
| <b>5. Tin Smithy</b>   | <ol style="list-style-type: none"> <li>1. Taper Tray</li> <li>2. Square Box without lid</li> <li>3. Open Scoop</li> <li>4. Funnel</li> </ol>   |
| <b>6. IT Workshop</b>  | <ol style="list-style-type: none"> <li>1. Assembly &amp; Disassembly of Computer</li> </ol>  |