





Metallography~ 1 Lab

Sl No	Name of the experiment	List of equipment	Photographs
1.	To study the metallurgical microscope and familiar with its component.	<ul style="list-style-type: none"> Bright field metallurgist microscope 	
2.	To study the microscope structure of given mild steel sample.	<ul style="list-style-type: none"> Mild steel sample Emery paper Glass slab Fine polishing machine Grinding Belt Metallurgical Microscope 	
3.	Preparation of the specimen to study under the microscope.	<ul style="list-style-type: none"> Cutting tool Belt grinding machine Polishing machine Etching Reagent Emery Paper Polishing cloth Abrasive 	

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4.	Preparation of the mounted samples with the help of mounted press / cold setting resins.	<ul style="list-style-type: none">• Disc polisher• Belt polisher• Sample	
5.	To study the microstructure of nonferrous metal & alloys ex: Brass sample	<ul style="list-style-type: none">• Brass sample• Emery paper• Glass slab• Fine polishing machine• Metallurgical microscope.	