



**Manipal University Jaipur**  
**School of Electrical, Electronics & Communication (SEEC) Engineering**  
**Department of Electronics & Communication Engineering**

**SEMICONDUCTOR DEVICE FABRICATION LAB**

*Lab and Lab Equipment Details*

<b>Name of the Laboratory</b>	<b>SEMICONDUCTOR DEVICE FABRICATION LAB</b>
<b>Lab Descriptions</b>	The Semiconductor Device Fabrication Lab is engaged in the basic research and technology development of silicon and organic based materials and devices.
<b>Lab Resources</b>	<ol style="list-style-type: none"><li>1. TUBE FURNACES (QUARTZ TUBES) WITH HEATING CAPACITY AND ENERGY CONTROLLER</li><li>2. D.I. WATER PLANT AND R.O. PLANT</li><li>3. ULTRA SONIC CLEANER</li><li>4. SPIN COATER WITH VACUUM PUMP</li><li>5. MICROSCOPE WITH BINOCULARS</li><li>6. HOT AIR OVEN</li><li>7. THIN FILM METAL DEPOSITION SYSTEM</li><li>8. LABORATORY HEATING PLATE</li><li>9. V-I CHARACTERISTICS TESTING SET UP WITH PROBES</li><li>10. MASK ALIGNER</li><li>11. VACUUM CLEANER</li><li>12. GAS CYLINDERS WITH REGULATORS</li><li>13. REFRIGERATOR</li></ol>