



## 5. Power Electronics Lab/Drives Lab

S.No	Name of the Laboratory	Name of the Equipment's	Photos
5	Power electronics lab	<ul style="list-style-type: none"> <li>• Forced commutation study unit and firing circuit</li> <li>• SCR's using r &amp; RC firing circuit</li> <li>• SCR using UJT firing circuit</li> <li>• 1-<math>\Phi</math> ACVC Trainer</li> <li>• 1-<math>\Phi</math> Fully controlled converter Bridge Kit</li> <li>• 1-<math>\Phi</math> Fully controlled converter bridge using firing circuit</li> <li>• 1-<math>\Phi</math> Parallel inverter</li> <li>• 1-<math>\Phi</math> Cyclo converter</li> <li>• Characteristics of SCR, IGBT, MOSFET</li> <li>• 3-<math>\Phi</math> Half controlled bridge converter load</li> <li>• 3ph. Half controlled bridge converter firing circuit</li> <li>• Multimeter</li> <li>• 3 1/2 digital hand-held Multimeter with temperature Measurement probe</li> <li>• 20 MHz dual trace oscilloscopes</li> <li>• SM 325, 25 mhz oscilloscopes</li> <li>• Rheostats</li> <li>• Dc ammeters</li> <li>• Ac ammeters</li> <li>• Dc voltmeters</li> <li>• Ac voltmeters</li> <li>• 1 ph. Isolation transformers</li> <li>• 1 ph. Series inverter</li> <li>• Inductive loads with tapping's</li> <li>• 1ph. Bridge inverter with R, RL Loads</li> <li>• 1ph. Loading rheostat</li> <li>• 1ph. PWM inverter control module</li> <li>• Patch cards</li> </ul>	

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Head of the Department**