

## P.B.R. VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE (AUTONOMOUS)



(Affiliated to J.N.T.U.A, Approved by AICTE and Accredited by NAAC)
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## 5. Power Electronics Lab/Drives Lab

S.No	Name of the Laboratory	Name of the Equipment's	Photos
5	Power electronics lab	<ul> <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-Φ ACVC Trainer</li> <li>•1-Φ Fully controlled converter Bridge Kit</li> <li>•1-Φ Fully controlled converter bridge using firing circuit</li> <li>•1-Φ Parallel inverter</li> <li>•1-Φ Cyclo converter</li> <li>•Characteristics of SCR, IGBT, MOSFET</li> <li>•3-Φ Half controlled bridge converter load</li> <li>•3ph. Half controlled bridge converter firing circuit</li> <li>•Multimeter</li> <li>•31/2 digital hand-held Multimeter with temperature Measurement probe</li> <li>•20 MHz dual trace oscilloscopes</li> <li>•SM 325,25mhz 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>	Kavali, Andhra Pradesh, India 8-20-20, Janathapet North Ist Line Rd, Vaddi Palem, Janathapet, Vaddi Palem, Kavali, Andhra Pradesh, India Lant 14-915284 Long 78-98-9033* 24-171/23-03-43 PM GMT +05-90  Kavali, Andhra Pradesh, India 8-20-20, Janathapet North Ist Line Rd, Vaddi Palem, Janathapet, Vaddi Palem, Kavali, Andhra Pradesh 52-4201, India Lat 14-9192-48 Long 78-98-98-16