







राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
National Institute of Technology

POWER ELECTRONICS LAB

Sl. No.	Equipment Details	Set-up / Pictures
1	Regulated DC Dual Power Supply	
2	Audio Function Generator	
3	Arbitrary Function Generator	
4	Cathode Ray Oscilloscope	

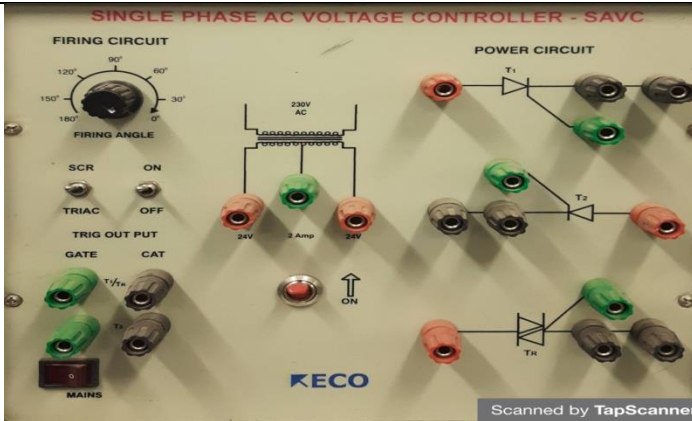




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5	Mixed Domain Oscilloscope	
6	UJT Characteristics Study Unit Set Up	
7	Characteristics Study Unit of Various Semiconductor Devices Set Up <ul style="list-style-type: none"> • SCR • DIAC • MOSFET • TRIAC • IGBT 	
8	Cosine Control Triggering Circuit Study Unit Set Up	

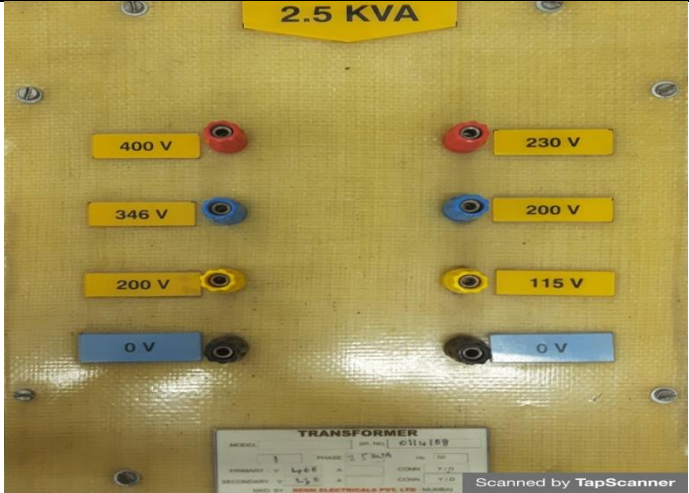




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9	Single Phase AC Voltage Controller Study Unit	 <p>Scanned by TapScanner</p>
10	Three Phase Half And Fully Controlled Bridge Converter Set Up	 <p>Scanned by TapScanner</p>
11	AC Motor PMSM Control Panel	 <p>Scanned by TapScanner</p>



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12	Three Phase Isolation Transformer	 <p>Scanned by TapScanner</p>
13	Three Phase Autotransformer	 <p>Scanned by TapScanner</p>
14	Single Phase Autotransformer	 <p>Scanned by TapScanner</p>



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15	Study of class A and class B chopper Trainer	 <p>IGBT BASED CHOPPER CIRCUIT TRAINER KIT</p> <p>Scanned by TapScanner</p>
16	Study of high frequency series resonant inverter	 <p>SERIES RESONANT INVERTER</p> <p>Scanned by TapScanner</p>
17	Study of 3-phase current source inverter Set Up	 <p>SINGLE PHASE AND THREE PHASE CURRENT SOURCE INVERTER FIRING UNIT</p> <p>SINGLE PHASE AND THREE PHASE CURRENT SOURCE INVERTER POWER UNIT</p> <p>Scanned by TapScanner</p>



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18 Study of 3-phase dual converter in non-circulating mode Set Up



19 Study of force commutated inverter Set Up

