



राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय  
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**BASIC ELECTRICAL LAB**

Sl. No .	Equipment Details	Set-up / Pictures
1	<b>CRO</b> Make:Scientech	
2	<b>Electrical Safety Demonstrator;</b> Make: NVIS; Model: NV7000	



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3	<b>DC Voltmeter</b>	
4	<b>KCL trainer KIT; Make: NVIS; Model: NV6513</b>	



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5	<p><b>Decade Resistance box;</b> <b>Make: NVIS;</b> <b>Model: NV704</b></p>	 A photograph of a black electronic device labeled "Decade Resistance Box NV704". It features eight rotary knobs arranged in two rows of four. Each knob is labeled with ranges: X1MΩ, X100KΩ, X10KΩ, X1KΩ, X100Ω, X10Ω, X1Ω, and X1MΩ. A small digital display is visible above the knobs. An output terminal block with red and green wires is located on the right side.
6	<p><b>Decade Capacitance box; Make: NVIS; Model: NV709</b></p>	 A photograph of a black electronic device labeled "Decade Capacitance Box NV709". It has four rows of four rotary switches each, labeled from top to bottom: 100µF, 10µF, 1µF, 0.1µF; 0.01µF, 0.001µF, 100pF, 10pF; 200µF, 20µF, 2µF, 0.2µF; 0.02µF, 0.002µF, 200pF, 20pF; 400µF, 40µF, 4µF, 0.4µF; 0.04µF, 0.004µF, 400pF, 40pF; and 800µF, 80µF, 8µF, 0.8µF. On the right side, there are three output terminals labeled GND, +, and -.



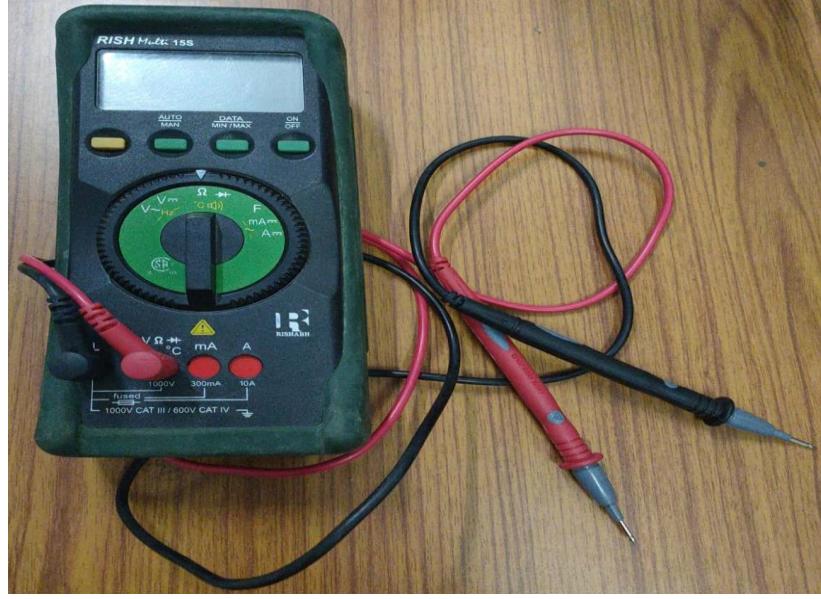
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7	<p><b>Decade inductance box; Make: NVIS; Model: NV712</b></p>	
8	<p><b>Single phase variac, output:0-270V 10A; Make: Green dot</b></p>	



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9	<p><b>Digital Multimeter;</b> <b>Make: RISH;</b> <b>Model:</b> <b>RICH15S</b></p>	
10	<p><b>AC Ammeter</b></p>	

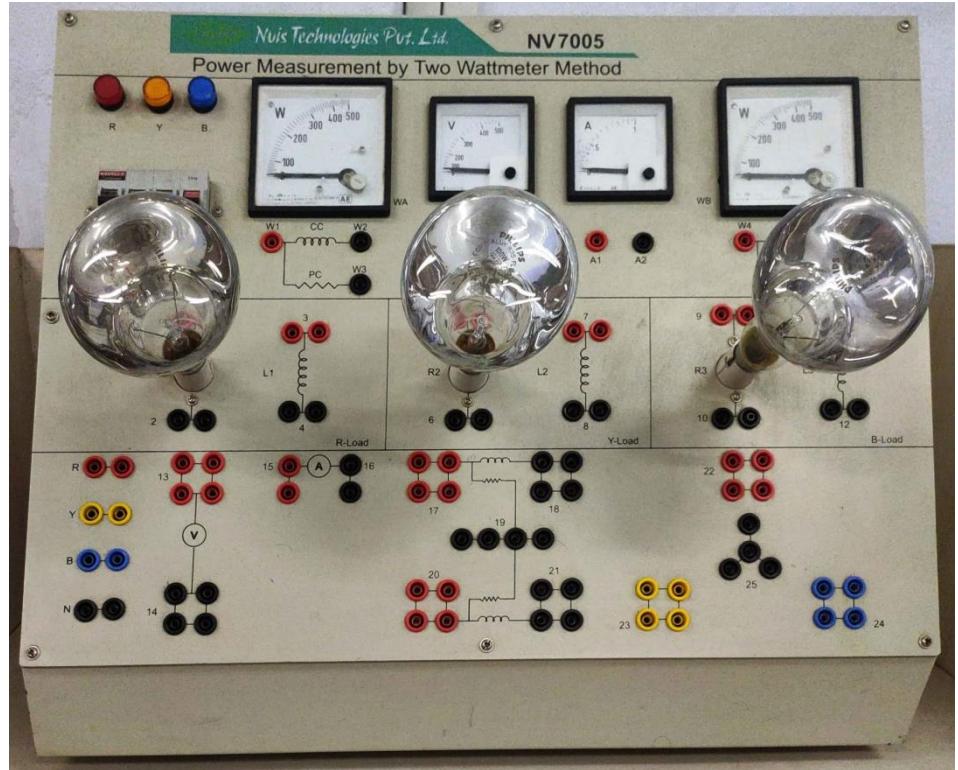


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11 AC voltmeter

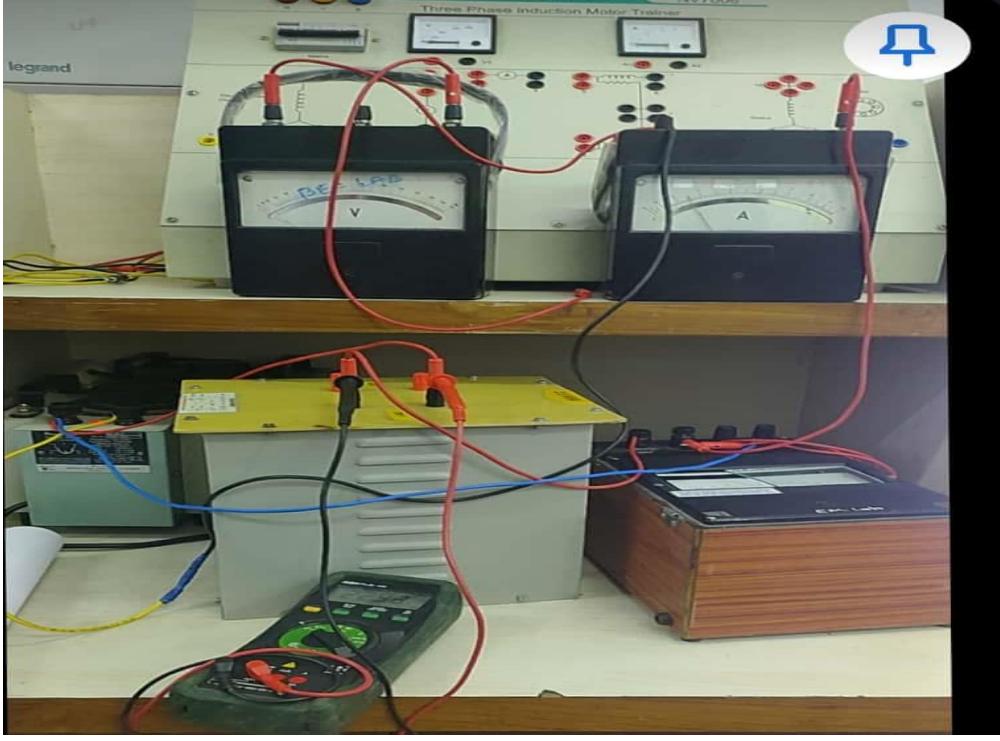


12 Power measurement by two wattmeter method trainer





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13	<p><b>Open circuit (OC) test;</b> <b>Auto-transformer,</b> <b>Rating:2.5kVA</b></p>	
14	<p><b>Short circuit(SC) test;</b> <b>Auto-transformer,</b> <b>Rating:2.5kVA</b></p>	