



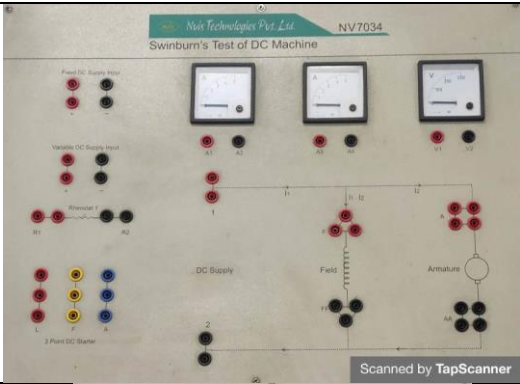
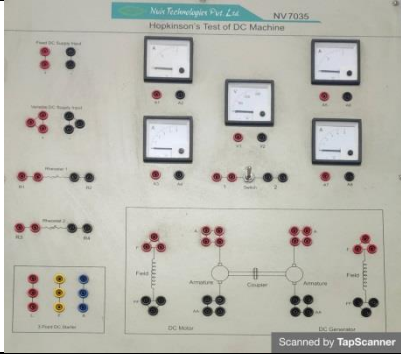
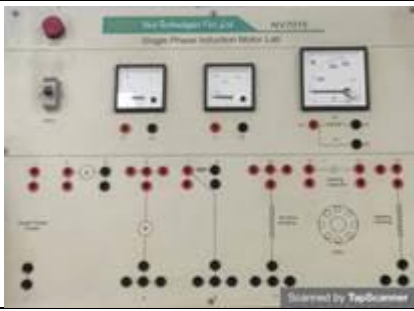

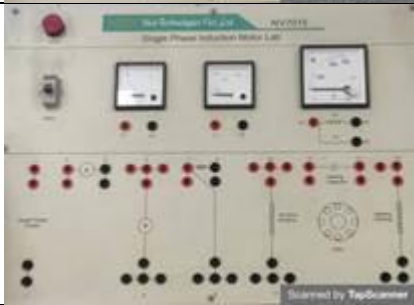
राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
National Institute of Technology

ELECTRICAL MACHINE LAB

Sl. No.	Equipment Details	Set-up / Pictures
1	DC Power Supply	
2	230V Resistive Load 1 KW in 10 steps	
3	DC machine lab with 1/2 HP M/c	
4	DC machine lab with 1 HP M/c	







राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
National Institute of Technology

5	Swinburne's test of DC machine	
6	Hopkinson's test of DC machine	
7	Single phase Induction Motor	
8	Three Phase Induction Motor	
9	Sumpner's test of two 1-phase transformers	







राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
National Institute of Technology

10	Scott Connection Trainer	
11	Three phase Variac, Dimmer Dot	
12	Continuously Variable Loading Inductor, 3-phase Rating: 10A, 415V	
13	a) Universal power supply, 60-105;	

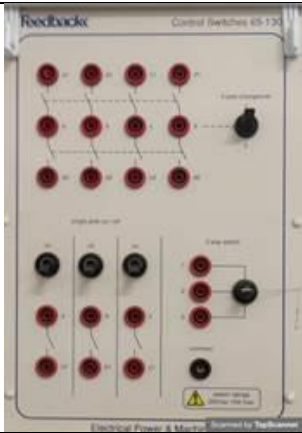





राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
National Institute of Technology

	<p>b) Variable ac/dc supply,5A, 60-121;</p>	
	<p>c) Dissectible machines tutor,Basic components, 62-100;</p>	
	<p>d) Dissectible machines Storage panel, 62-101;</p>	
	<p>e) Variable speed drive, 63-501</p>	

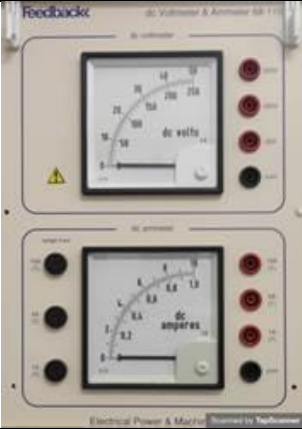

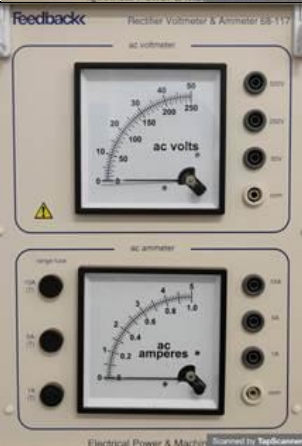


राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
National Institute of Technology

	f) Control switches,63-130		 A control panel with multiple rows of red and black terminals and switches. The top row has four red terminals. Below are two rows of three red terminals each. There are also several black terminals and a large black knob on the right side.
	g) Variable Resistance 200Ω,3A, 67-113;		 A panel featuring a large circular potentiometer with a white dial and black markings. Below the dial are two black terminals and a small black knob. A circuit diagram is visible at the bottom left.
	h) Resistor/Capacitor Unit, 67-190		 A panel with various terminals and components. It includes a 100V 60V terminal, a 100V 60V terminal, and several terminals labeled with values like 100Ω, 200Ω, 500Ω, 1000Ω, 10kΩ, 20kΩ, 50kΩ, 100kΩ, 200kΩ, 500kΩ, 1000kΩ. There are also several capacitors and a large black knob.
	i) Electronic Single and 3 Phase measurement, 68-100		 A panel with a digital display at the top showing '0.00'. Below the display are several terminals labeled L1, L2, L3, N, and a large black knob. There are also several warning symbols and a circuit diagram.

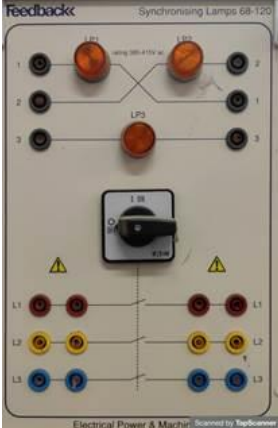
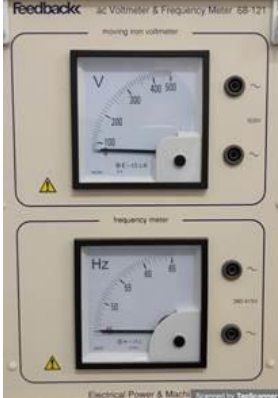




राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
National Institute of Technology

	j) DC Voltmeter and Ammeter, 68-110		
	k) DC Milliammeter Centre Zero, 68-113		
	l) Rectifier Voltmeter and Ammeter, 68-117		







राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
National Institute of Technology

	m) Synchronising Lamps, 68-120	
	n) AC Voltmeter and Frequency meter, 68-121	
	o) Lead Storage, 91-245	
14	Load Test of DC Shunt Generator, 7.5HP	



राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
National Institute of Technology

15	Load Test of DC Series Generator, 7.5HP	
16	Load Test of DC Compound Generator, 7.5HP	
17	Brake: Retardation Test on DC Shunt Motor, 7.5HP	
18	Regulation of Three Phase Salient Pole Alternator by ZPF Method/Parallel Operation of Alternators, 5KVA	

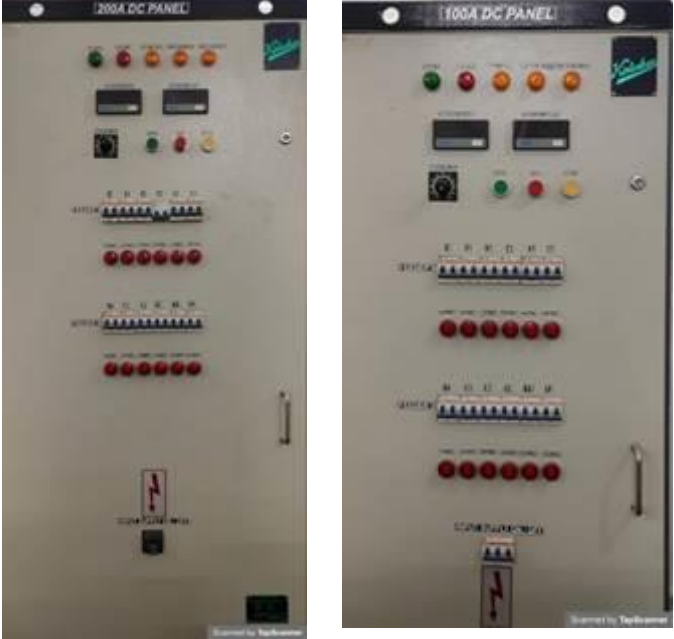


राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
National Institute of Technology

19	V and Inverted V Curves for Three Phase Synchronous Motor, 7.5HP	
20	AC Distribution panel 200 Amp, 415V	
21	Three Phase Slip Ring Induction Motor a) Three Phase Slip Ring Induction Motor Electricals, Thane b) Control Panel	
22	Three Phase Cylindrical pole alternators. a) Three Phase Cylindrical pole alternator Electricals, Thane b) DC Motor Thyristor speed controller	



राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
National Institute of Technology

23	DC Thyristor Controlled Regulated Power Supply	
----	--	--