

S. No	Name of the Equipment	Quantity (nos.)	Capacity	Purpose	Location	Prof. Incharge for the equipment
1	UTM (Universal Testing Machine)	1	100 KN Displacement Control	Tension,Compression,Flexural Test	E.M.LAB	Prof.Amit Kumar Das
2	Shake table 150-kgf	1	Max Force 1550 N Frequency Range 5 To 5000 Hz	Test The Response Of Structure To Verify Sesmic Performance		
3	LDS Magnetic Amplifier With Portable Shaker V406 Amp	1	Sine Force,Peak 98.0 N Max. Sine Force Peak 196 N Frequency Range 5 To 9000 HZ	For Vibration And Excitation		
4	MTS Linear Servo Hydraulic Actuator With Controller	1	Stroke Length 250MM Force Compression 107 KN Force Tension 66KN, Load Cell 100KN	Static And Fatiuge Applications		
5	MGC Plus System	1		Data Acquisition System To Measure Strain,Stress, Displacemnt,Force,Voltage etc.		
6	Dual Channel FFT Analyzer Ad 3542	1		For Dyanamic Applications,Sound And Vibraton Analysis		
7	P3 Strain Indicator & Recorder	4	Portable Battery Operated Instrument	Strain Measurement		
8	load cell & Indicator	5	20 KG And 4 KN	For Load Measurements		
9	Linear Variable Differential Transformer (LVDT) and Signal Conditioner	2 & 1 Each	Range +/- 12.5 MM	To Measure The Linear Displacement		
10	Linear Variable Differntial Transformer with Programmable Multi Channel Conditioner	2 & 1 Each	Range +/- 50 MM	To Measure The Linear Displacement		
11	Linear Potentiometer	5	Range +/- 12.5/25 MM	To Measure The Linear Displacement		
12	PCB Piezoelectric Accelerometer ICP Type	10	Sensitivity (+/- 10%) 100mv/g (10.2 mv/m/s ²) Measurement Range +/- 50g pk (+/-490 m/s ² pk) Resolution 0.00015 g rms (0.0015 m/s ² rms Frequency Range (+/-5%) 0.5 to 10,000 HZ	For Vibration Measurement		
13	B&K Accelerometer Pizeoelectric	15	Type 43445,8306,4366,4370,4381,4393,4321 With Differnt Sensitivities	For Vibration Measurement		
14	Mitutoyo Dial Gauges With Stands	8	Range 25.4 mm,Resolution 0.001 mm	To Measure The Linear Displacement		
15	Portable Digital Strain Indicator	1		For Strain Measurement		
16	Strain Gauge Installation Tester	1		For Strain Measurement		
17	Ten Channel Switch And Balance Unit	5		For Strain Measurement		
18	Charge Amplifier Type 2634,2635,4366	8		Measurement Of The Electrical Input Charge		
19	Inverter Base Welding Machine	1	300 Amps	For Welding Purpose		
20	Digital Storage Oscilloscope	1		Signal Conditioner		
21	Belt And Drive Sander	1		For Surface Finishing And Polishing Purpose		
22	Bench Type Drilling Machine	1		For Drilling Work		
23	Weighing Scale	1	60 KG			