

Electrical & Electronics Engineering

RESEARCH LABORATORY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute Under Kakatiya University, Warangal)

Department of Electrical & Electronics Engineering

Research Laboratory



Faculty I/c: **Dr. C. Venkatesh**
Designation: *Professor*



Faculty I/c: **Dr. V. Rajagopal**
Designation: *Professor*

Major equipment in the Lab: dSPACE DS1104 R&D controller; Power Meter PW3337 including PC; Multiwinding Transformer; Single phase resistive load with rotary switches; Three phase resistive load with rotary switches; Three phase variable inductive load; Fixed inductor with 6 tappings; IGBT based voltage source inverter

Cost of new equipment added since 2018-19: Rs. 13,86301/-

Total Cost of the Lab: Rs. 13,86301/-

Softwares available in the lab: MATLABR2023b, DS controller control desk software





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EQUIPMENT DETAILS

Sl. No.	Equipment /Software details (specifications) (Enter data as per Stock Ledger)	Date of Purchase	Date of installation	Cost (as per Ledger)
1	dSPACE DS1104 R&D controller (1 No.)	14.6.2022	30.6.2022	6,78,500=00
2	Power Meter PW3337 including PC (1 No.)	7.7.2022	17.8.2022	3,06,800=00
3	Multiwinding Transformer (1 No.)	13.05.2022	20.05.2022	1,18,000=00
4	Single phase resistive load with rotary switches - 240V, 15A (3 No.s)	22.5.2022	24.5.2022	75,048=00
5	Three phase resistive load with rotary switches - 415V, 15A (1 No.)	22.5.2022	24.5.2022	39,884=00
6	Three phase variable inductive load - 415V, 10A (1 No.)	22.5.2022	24.5.2022	51,854=00
7	Fixed inductor -15A with 6 tappings between - 0mH - 10mH (1 No.)	22.5.2022	24.5.2022	42,338=00
8	Regulated Power Supply - 0-30V, 5A, DC (4 No.s)	22.5.2022	24.5.2022	40,743=00
9	Wire wound rheostats - 50 ohms/5A (6 No.s)	22.5.2022	24.5.2022	33,134=00
10	IGBT based voltage source inverter (1 No.)	-	-	-

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