

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE Opp: Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506015, TELANGANA, INDIA

काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६०१५, तेलंगाना, भारत कर्डडेंक रेन्टवेंडड ठिक्कूर कर्तु ठिक्कुटक्क०, उठलाई - २०६००० वरलाह, क्टववेंडक

(An Autonomous Institute under Kakatiya University, Warangal) (Approved by AICTE. New Debti: Recognised by UGC under 2(f) & 12(B): Spansored by EKASILA E

### **Electrical & Electronics Engineering**

# **RESEARCH LABORATORY**

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL

(An Autonomous Institute Under Kakatiya University, Warangal)



#### KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Opp: Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506015, TELANGANA, INDIA काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६०१५, तेलंगाना, भारत కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, కరంగలి - ఇంఓ ందిన కెలంగాణ, భారకరేశము

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## Department of Electrical & Electronics Engineering

# Research Laboratory



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



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





#### **DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

#### **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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### **Electrical & Electronics Engineering**



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



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

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