

RESEARCH LABORATORIES & CENTRALIZED INSTRUMENTATION FACILITIES
Department of Electrical and Electronic Engineering, NIT
Tiruchirappalli

S.No	Name of the Equipment	Name of the Laboratory	Short description of the Equipment (Model, Make Important Details)	Faculty In charge Contact Details
1.	Electronic Load	Power Electronics	EQT61111, Chroma make	Dr. K. Sundareswaran 0431-2503255
2.	FPGA Boards with associated tools	Hybrid Electrical Systems	University System Generator	Dr. S. Moorthi 0431-2503267
3.	Power Quality Analyzer	Hybrid Electrical Systems	Fluke 434-11 make	Dr. S. Moorthi 0431-2503267
4.	DSO	Hybrid Electrical Systems	200 MHz, TDS 2024C	Dr. S. Moorthi 0431-2503267
5.	DSO	Hybrid Electrical Systems		Dr. S. Moorthi 0431-2503267
6.	DSO	Hybrid Electrical Systems	GDS-1102B	Dr. S. Moorthi 0431-2503267
7.	FPGA Boards	VLSI Systems	Altium 3000	Dr. S. Moorthi 0431-2503267
8.	Evaluation Board & JTAG Emulator	Hybrid Electrical Systems	701019:tms 320LF2407A	Dr. M. P. Selvan 0431-2503262
9.	DSO	Hybrid Electrical Systems	Agilent make, 1004A, 60MHz	Dr. M. P. Selvan 0431-2503262

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10.	Inverter	Hybrid Electrical Systems	Single & Three Phase-85044029 & 85044010	Dr. M. P. Selvan 0431-2503262
11.	Inverter	Power Converters Research	10KW Hybrid Inverter	Dr. M. P. Selvan 0431-2503262
12.	Inverter	Power Converters Research	Voltage Source Converter	Dr. M. P. Selvan 0431-2503262
13.	DSO	Power Converters Research	Agilent make, 5034A, 300MHz	Dr. G. Saravana Ilango 0431-2503259
14.	Transformer	Power Converters Research	Three Phase, 28A, 28P-3 model	Dr. G. Saravana Ilango 0431-2503259
15.	Pico scope	Power Converters Research	100 MHz, 3205B	Dr. G. Saravana Ilango 0431-2503259
16.	Solar Analyzer	Power Converters Research	Amprobe, Solar 4000	Dr. G. Saravana Ilango 0431-2503259
17.	DSO	Power System and Smart Grid	4- Channel, 3034A, 350MHz	Dr. M. JayaBharata Reddy 0431-2503270
18.	110V Transmission Line Model	Power System and Smart Grid	110V Capacity	Dr. M. JayaBharata Reddy 0431-2503270
19.	Numerical Relay	Power System and Smart Grid	LPRO 4000	Dr. M. JayaBharata Reddy 0431-2503270
20.	110 V Phase Shift Generator	Power System and Smart Grid	110V Capacity, 200KM Distribution	Dr. M. JayaBharata Reddy 0431-2503270

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21.	Long Range RF Front End	Switched Mode Power Conversion	DRF 1278F, WRL-2501	Dr. Sishaj P. Simon 0431-2503265
22.	Power Quality & Energy Analyzer	Electric Mobility Research	434-II	Dr. P. Srinivasarao Nayak 0431-2503269
23.	FPGA Boards	Electric Mobility Research	Nano Board- NB 3000	Dr. P. Srinivasarao Nayak 0431-2503269
24.	Solar PV Panel	Control Systems		Dr. V. Sankaranarayanan 0431-2503268
25.	FPGA Boards	Hybrid Electrical Systems	Nano Board- NB 3000	Dr. P. Raja 0431-2503264
26.	Solar Simulator	Hybrid Electrical Systems	62020H150S	Dr. P. Raja 0431-2503264
27.	GPS Receiver Unit	Hybrid Electrical Systems		Dr. P. Raja 0431-2503264
28.	Energy Meter	Switched Mode Power Conversion		Dr. S. Senthil Kumar 0431-2503261
29.	PLC	Industrial Automation		Dr. S. Senthil Kumar 0431-2503261
30.	Power Quality Analyzer	Industrial Automation		Dr. S. Senthil Kumar 0431-2503261
31.	Conveyor Belt Driver System	Industrial Automation		Dr. S. Senthil Kumar 0431-2503261

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32.	Solar Simulator	Switched Mode Power Conversion		Dr. S. Senthil Kumar 0431-2503261
33.	Fabrication of Dual Cold Storage with Mid Liquid Tank	Industrial Automation		Dr. S. Senthil Kumar 0431-2503261