



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत

A GOVT. AIDED UGC AUTONOMOUS & NAAC ACCREDITED INSTITUTE, AFFILIATED TO R.G.P.V BHOPAL (M.P)

Department of Electrical Engineering

Renewable Energy Lab (130415)

LIST OF EXPERIMENTS

1. To setup a Solar PV standalone system and calculate power in different branches of the system.
2. To set up a Solar PV Grid Connected system and calculate power in different branches of the system.
3. To set up a Solar PV Power plant with the help of a Hybrid inverter.
4. To set up a Wind Energy standalone system and calculate power in different branches of the system.
5. To set up a Solar PV- Wind Energy Hybrid standalone system and calculate power in different branches of the system.
6. Utilizing smart house as a load and analyzing load waveforms.
7. Utilizing Load analysis kit and understanding about loads connected in series.
8. Observing different weather parameters using weather station.
9. Comparing the different types of grid connected systems and analyzing their waveforms with the help of linear loads.
10. Comparing the different types of grid connected systems and analyzing their waveforms with the help of nonlinear loads.

SCAN or Click Links given below



<https://www.youtube.com/watch?v=1GSfhsYiYcQ>