



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S
RESEARCH FOUNDATION
(Deemed to be University under section 3 of the UGC Act 1956)



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

List of experiments

S NO	DATE	EXPERIMENTS
1		Evaluate the efficiency of charge controller used in the Wind Energy Training System (WETS)
2		Evaluate the cut-in speed of wind turbine experimentally
3		Evaluate the Tip Speed ratio (TSR) at different wind speeds
4		Draw the turbine Power versus wind speed curve
5		Draw the curve between TSR and coefficient of power
6		Draw the power curve of turbine with respect to the rotational speed of rotor at fix wind speeds
7		Demonstrate the power analysis at turbine output (for high wind speeds)
8		Demonstrate the power analysis at different branches of wind turbine energy system (at high frequency) with AC load only
9		Demonstrate the power analysis at different branches of wind turbine energy system (at high frequency) with DC load only

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