

## CERTIFICATE

This is to certify that this thesis entitled “MAXIMUM POWER POINT TRACKING AND REACTIVE POWER CONTROL OF A DOUBLY FED INDUCTION GENERATOR BASED WIND TURBINE SYSTEM” is being submitted by **MR. SANDIP BERA**, having **Class roll No. 001810802014** in partial fulfillment of the requirement for The award of the degree of **Master of Electrical Engineering** from JADAVPUR UNIVERSITY, KOLKATA, WEST BENGAL has been carried out by him under our Guidance and supervision. The Project in our opinion is worth of its acceptance.

### SUPERVISORS



**Prof. Madhab Roy**

Assoc. Professor

Electrical Engineering Department

Jadavpur University



**Prof. Mihir Hembram**

Assist. Professor

Electrical Engineering Department

Jadavpur University

### COUNTERSIGNED



**Prof. (Dr.) Kesab Bhattacharyya**

Head of the Department

Electrical Engineering Department

Jadavpur University

**Prof. (Dr.) Abhijit Mukherjee**

Dean of Faculty of Engineering

and Technology

Jadavpur University