

Visvesvaraya Technological University, Belgaum –590014



PROJECT REPORT

ON

“FAULT ANALYSIS AT DIFFERENT WIND FARMS”

(SPONSORED BY KSCST, BANGALORE)

Submitted in Partial Fulfillment of the Requirements for the Award of

BACHELOR OF ENGINEERING

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

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ABSTRACT

As we know that, the increasing power penetration in electricity system is becoming more and more significant considering the system operation, so our interest is on analyzing what kind of faults are occurring in the wind power system.

As we are getting the energy from the wind, some faults are occurring at the wind power station. Due to these faults, the efficiency of the wind energy became very less. i.e., the fault events are actual faults occurring naturally in the wind power system.

Therefore we are doing project on the fault analysis at different wind farms, which are located around the Chitradurga. By this, we are going to conclude which is the best wind farm. After doing the fault analysis around Chitradurga, also we are going to discuss the remedies to overcome the faults in a wind farm. So we have done our case study at Vestas for one-year observation i.e., from April 2008 to March 2009.