



Visvesvaraya Technological University, Belgaum

A PROJECT REPORT ON

TRANSFORMER FAULT PROTECTION USING GSM

Under the Guidance of

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ABSTRACT

Transformers are a vital part of the transmission and distribution system. Monitoring transformers for problems before they occur can prevent faults that are costly to repair and result in a loss of service. Current systems can provide information about the state of a transformer, but are either off-line or very expensive to implement GSM is an open, digital cellular technology used for transmitting mobile voice and data services.

This project objective is to develop low cost solution for monitoring health condition of remotely located distribution transformers using GSM technology to prevent premature failure of distribution transformers and improving reliability of services to the customers. The performance of model developed is tested at laboratory for monitoring various parameters like transformer over load, voltage fluctuations, over temperature, oil quality and level etc.