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**Affiliated to**

**Visvesvaraya Technological University, Belgaum**



***Project Report Entitled***

**“CLIENT SERVER BASED CONTROL AND  
MONITORING OF POWER DISTRIBUTION SYSTEM”**

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***Submitted by***

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## **ABSTRACT**

In this Project full online automatic monitoring and control of Power Distribution System (PDS) is incorporated with internet for global access. PDS is monitored and controlled by advanced embedded technology. In this Project, distribution transformer is used to share load according to distributed area, the area is as per load requirement. Thus the main transformer is connected to load as per norms. When master transformer is in over load condition then the excessive load is shared with the slave transformer which has been already synchronized with the master transformer. LPC2148 ARM7 controller is used to monitor voltage, current and temperature related parameters and in the process the data logging system acquires the live data and is stored for future reference.

*Index Terms*— ARM7 controller (LPC2148), Client, Distribution, Data Logger, Internet, Server, Power Distribution System (PDS).