**A DISSERTATION ON**

**IMPLEMENTATION OF VIRTUAL SCADA SYSTEM USING LabVIEW**

Submitted for the partial fulfillment of degree of

***M.TECH. IN CONTROL & INSTRUMENTATION***

**Submitted By**

**Uttam Kumar**

**(Roll No- 09/C&I/2010)**

Under the Guidance of

**Dr. Narendra Kumar**

**(Associate Professor, Electrical Engg. Dept., DTU)**

**&**

**Dr. Vinay Kumar Chandna**

**(Associate Professor, ITS Engg. College, Gr. Noida)**

****

**Delhi Technological University**

**Bawana Road, Delhi-110042**

**CERTIFICATE**

This is to certify that the project work that is being presented in this dissertation entitled **“Implementation of Virtual SCADA system using LabVIEW”** has been carried out by “**Uttam Kumar**” student of M.Tech (C&I), Delhi Technological University. This work was completed and carried out under my supervision and forms a part of M.Tech (Control & Instrumentation) course. He has completed his work with sincerity.

**Dr. Narendra Kumar**

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**UTTAM KUMAR**

Roll No. : 09/C&I/2010

M.Tech. (control & instrumentation)

Delhi Technological University, Delhi

**ABSTRACT**

There are large numbers of SCADA applications in the industry. SCADA is a type of supervisory control and its different aspects and horizon are developing continuously so it is difficult to define what exactly it incorporates. To study the status of any system and control it we can use it. A virtual SCADA will help us to understand the working of a system.

In this thesis a realization method of Virtual SCADA system is suggested using LabVIEW.

**LIST OF ABBREVIATIONS**

LabVIEW Laboratory Virtual Instruments for Engineering Workbench

NI National Instruments

RMS Root Mean Square

VI Virtual Instruments

SCADA Supervisory Control And Data Acquisition

SVT Sound and Vibration Toolkit

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