

WIRELESS MONITORING AND CONTROL OF VARIOUS BOILER PARAMETERS THROUGH ARDUINO MICROCONTROLLER BASED INTERFACE SYSTEM

Dr. P. Hari Krishnan¹, R.Pradeep²

¹ Assistant Professor, Anna University-Regional Campus, Coimbatore,

² PG Student (Control and Instrumentation), Anna University-Regional Campus, Coimbatore

This work describe a configuration of a Internet base data logging and managerial control of boiler drum level system. The intend and execution of this method is done by the LabVIEW software. The information of the progression variables (Pressure, Temperature, level and Flow) from the boiler system have to be logged in a record for further study and supervisory control. A LabVIEW based information logging and management program simulate the method and the generated information are logged in to the record. The internet plays a significant and very important function in the instantaneous control and monitoring of the industrial process. Internet based system control and monitoring the plant system remotely operated from anywhere without any limitation to any physical region. Internet based boiler control system is developed by a Web publish tool in LabVIEW. The use of internet as a communication medium provides the flexible and cost-effective resolution. Now, to analyse the performance of drum level control system, Internet based data logging and management control system is designed. Hence, anyone can control and monitor the boiler plant worldwide.

