# ABSTRACT

This report aims to give an overview of a standalone automatic fan speed controller that controls the speed of an electric fan according to our requirement. With the help of the embedded technology makes more efficient and reliable with this closed loop feedback control system. This project is the Temperature Based Fan Speed Control & Monitoring with the help of the Arduino UNO and LM35 Temperature Sensor. In this the microcontroller controls the speed of an electric fan according to the requirement & allows faster control and the LCD display makes the system user friendly. The LCD panel displays the Sensed temperature in Celsius Scale and fan speed in percentage simultaneously. This project is useful in process industries for maintenance and controlling of boilers temperature.