

MICROPROCESSOR CONTROLLED CENTRAL HEATING SYSTEM

by

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Project Report

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ABSTRACT

The main purpose of this project is to design and construct a microprocessor controlled central heating system. The system reads an analog signal which is proportional to the room temperature and sends a logic signal to activate the heater if the room temperature is below the desired one. This logic signal is connected to an L.E.D. which gives a visual indication of the state of the heater (If LED is ON the heater is supposed to be switched ON and if LED is OFF this implies that heater is OFF).

The design is done to control four rooms separately, nevertheless, through some modifications - which are indicated later-control can be extended to more rooms.

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