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**Design of a Temperature Control
System**

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Abstract

In the thesis, the objective of the work describes the observation and construction of a low cost digital temperature controller. In the reaction monitoring, a temperature controller monitors and maintains the temperature in a closed loop.

For the temperature control system design is control by the PIC microcontroller. The controller is the user settings, with minimum 1 input and 2 outputs. The LM35 are the temperature sensors used in the model. The LM35 are used to measure the mock model room/ building temperature. The idea of this design is use to keep the room temperature controlling by the user, so the temperature of the room at preset temperature. Between this is a low cost temperature digital temperature design, so the air condition is not use for the design. The DC brushless Fan is been used for saved cost.