

SOLAR POWERED AUTOMATIC CONTROLLER WITH COOLING SYSTEM

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ABSTRACT

This project is to design and develop a “Solar powered automatic temperature controller with cooling system”. This project will present the design, construction, development, control and analysis that can be implemented for a room. This project is focused on a system to automatically control the number of fan to turn on and off according to the surrounding temperature. This temperature controller system contains combination of sensor, controller and motor with integration of embedded controlled programming which means in this case using PIC16F877A as the main controller. This project also presents the use of solar energy as the main source of power and construction of hardware and software development.