ABSTRACT

The purpose of these system is to switch the control of an air conditioner from its remote to an arduino board. Using IR Receiver, Transistor, and IR Emitter, the command that has been obtained from IR emitter will be processed and replicated so that it can match the command from the remote itself. And then the command that has been processed can be used for a unique algorithm or system that can control the air conditioner automically from afar without remote, and keeping its room temperature in accordance to efficiently used the power its consumed.

Keywords : Arduino, Air Conditioner, IR Emitter, IR Receiver, IR Signal, IR Remote, Transistor