

## ABSTRACT

At this final project will be designed by system in control the long distance using SMS ( Short Message Service) being based on microcontroller. Controller implementation use AT89C52 microcontroller. At transmitter shares used by hand phone (HP). Whereas of receiver used by hand phone which connected with microcontroller. Microcontroller for processing of data command from HP then will activate electrical object/device of domestic. If transmitter sending SMS for activation relay hence the receiver to set in blaze a relay. Then the receiver will deliver report in the form of SMS that relay have been activated. If on the contrary transmitter to send SMS to deactivate relay. If done to command fail hence the receiver will send report in the form of fail SMS.

This design appliance used as controller of long distance, what applicable to animate/ put-off the light. The lamp used to represent a just example. Application from this system is applicable at electrical equipments of other domestic with operation character in logic control