

MOBILE CONTROLLED DC MOTOR SPEED CONTROLLER

INTRODUCTION:

The aim of the project is to control any electrical or electronic appliances by sending SMS to GSM module. Ex: Operate switches of light at home when u r away from it. Control motors or any other kind of appliances in factory just by sending SMS to GSM model and here we are controlling the speed of the DC motor.

FUNCTIONAL DESCRIPTION:

Here one can send SMS to control the speed of the DC motor to the GSM (global System for Mobile application) modem.

When GSM receives the message, Microcontroller will send the read Command (at + cmgr) to the GSM. In response to that GSM will send Mobile number, date, time, and message to the Microcontroller. Then Microcontroller will read the mobile number from which it got SMS, date, time and finally the message. According to message received the controller generates the pulse of different duty cycle which intern generates the PWM pulse which controls the speed of the motor.