



DTMF/GSM BASED ROBOT

## DTMF /GSM BASED ROBOT

*Conventionally, Wireless-controlled robots use RF circuits, which have the drawbacks of limited working range, limited frequency range and the limited control. Use of a mobile phone for robotic control can overcome these limitations. It provides the advantage of robust control, working range as large as the coverage area of the service provider, no interference with other controllers and up to twelve controllers.*

*Although the appearance and the capabilities of robots vary vastly, all robots share the feature of a mechanical, movable structure under some form of control.*

*The Control of robot involves three distinct phases: perception, processing and action. Generally, the preceptors are sensors mounted on the robot, processing is done by the on-board microcontroller or processor, and the task is performed using motors or with some other actuators.*

### AIM

To construct a DC motor based Robot that can be controlled from any distance just by pressing some buttons on a cell phone.

### PRINCIPLE USED :

- Dual Tone Multi-Frequency, or DTMF, is a method for instructing a telephone switching system of the telephone number to be dialled, or to issue commands to switching systems or related telephony equipment.

It is perhaps the most widely known method of Multi Frequency Shift Keying (MSFK) data transmission technique. It is used for