**GLOBAL ROBOT**

**AIM:**

The main aim of the project is to design the wireless controlled global robot using GSM communication.

**PURPOSE:**

The purpose of the project is one wants to control the direction of robot using GSM Technology.

**ROBOT SECTION:**

**MICRO CONTROLLER**

**AT89S52**

**BATTERY**

**LCD DISPLAY**

**(16 X 2 LINES)**

**MAX 232**

**MOTOR DRIVER L293D**

**GSM**

**GEAR MOTORS**

**DESCRIPTION:**

This project consists of two sections one is mobile unit and robot section.

The user can control the robo directions like FORWARD, REVERSE, RIGHT, LEFT and STOP by passing simple message from his mobile. The GSM modem placed at the robot section receive the message and according to the command received by the GSM modem the robot is moved. And the directions are displayed on LCD. The GSM Modem is connected to the microcontroller through MAX232 for voltage compatibility.

This project uses regulated 5V, 500MA power supply, 7805 three terminal voltage regulator is used for voltage regulation. Bridge type full wave rectifier is used to rectify the ac output of secondary of 230/12V step down transformer.

**HARDWARE:**

1. Microcontroller (AT89S52)
2. LCD Display (16x2 lines)
3. Max 232
4. L293D motor drivers
5. GSM modem

**SOFTWARE:**

1. Kiel U vision
2. Express PCB
3. ISP

**APPLICATIONS:**

1. Any robotic applications
2. Military applications

**RESULT:**

By this project we can control the robot directions through GSM technology from any remote location.