GSM Controlled Robot (with project report)

ajay_bhargav, Mon Jan 10 2011, 03:33 am

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we already had a great start of this year with PIC Industrial and Domestic Timer project but that is not all for this year   I received one more project today from students of Terna Polytechnic College. The is named as "Cellphone operated Land Rover" but i call it GSM controlled robot   small and simple. well you can give name of your choice. Project is done by group of four students **Gaurav A.Khadasane (gaurav.k)**.

In the project the robot is controlled by a mobile phone that makes a call to the mobile phone attached to the robot. In the course of a call, if any button is pressed a tone corresponding to the button pressed is heard at the other end called 'Dual Tone Multiple frequency' (DTMF) tone. The robot receives these tones with help of phone stacked in the robot. The received tone is processed by the microcontroller with the help of DTMF decoder ic cm8870 . This ic sends a signals to the the motor driver ic l293d which derives the motor forward, reverse â ¬ ¦etc. Project is built using AVR microcontroller the ATmega16.

Project is a very simple and a good starter for robotics lover. Project also comes with complete project report and PCB layout which makes it even more easier for you to quickly start working. Here is a working sample of this project, I'm sure you'll be impressed with this simple idea

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