

HANDY CAR

The objective of this project is to build a toy that can be controlled by hand gestures wirelessly. User will be able to control the speed of the toy car by wearing the controller glove and performing hand gestures.

For this project we are going to use two MSP430 microprocessors; one on the glove and one on the car, Gyro sensor to control the speed of the toy car, a trans receiver pair to transmit the data from the gyro sensor to the toy car. We will use a servo motor and DC motors for moving the car.

A gyro sensor will be attached to the glove. This sensor is interfaced with the MSP 430 launch pad. The sensor will give dynamic values of the “yaw” movements of the hand gestures to the microprocessor. The processor will transmit this data to another microprocessor on the car using a RF trans receiver pair. The values obtained from the receiver will be used to control the speed of the car.

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