HAND GESTURE CONTROLLED ROBOT USING ARDUNIO

A MINI PROJECT REPORT

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ABSTRACT

This paper presents a Hand Gesture Controlled Robot using Arduino, which can be controlled by simple hand gesture. According to the movement of the person hand, the accelerometer start moves. It is based on axis of accelerometer and robot move in four direction forward, backward, left and right. For sensing Human motion, we use infrared sensor, it's range is 790mm wavelength from human body. This type of robot widely used in military application, industrial robotic, construction field. In such a field, it is very risky and complicated to handle the machines through switches or remote, sometimes operator may be confused so this new concept introduce to control the machine with the movement of hand which will simultaneously control the robot. Keywords: Arduino Technology, gesture, Accelerometer, Infrared sensor.