Abstract

A robot is a virtual or mechanical artificial agent. In practice it is usually an electro-mechanical machine, which is guided by computer or electronic programming and is thus able to do tasks. Robots are outfitted with wide reaches and slim arms, steady repeatability and precise tooling—all, of which allows them to be extremely accurate. This high precision capability makes them a good match for pick and place application. Controlling robotic arm wirelessly is very
helpful for a wide range of applications ranging from industrial to medical fields. The aim of this project is to develop a robotic arm which should be controlled by an authorized person at any time and from any place using the web technology. The robot is controlled by two methods, one through local system which has zigbee and the other through the web server which allows the client to access the robot from anywhere in the world. So the main advantage of our project is that there is no any limited distance is needed for running the robot.

References

- Antonio Yordán-Nones, "Heterogeneous Modeling and Design of a Robot Arm Control System"; University of Puerto Rico, Mayagüez, CiteSeerX.
- Tarek Mohammad, "Using Ultrasonic and Infrared Sensors for Distance Measurement"; World Academy of Science, Engineering and Technology 2009.
- Ruijie Zhang Funjun He, Zhijiang Du and Lining Sun, "An Intelligent Home

**Index Terms**

Computer Science
Artificial Intelligence

**Keywords**

Embedded Controller  Ir Sensor  Robotics  Web Server  Zigbee