PC CONTROLLED ROBOT AND WIRELESS DATA ACQUISITION

(A PROJECT SPONSORED BY KSCST)

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ABSTRACT

This project describes an economical solution of robot control systems. The presented robot control system can be used for different sophisticated robot applications. The system consists of a PC, a microcontroller that collects data from the PC and controls the robot.A complete solution of a robot control systems is presented in this project. The robot is fully controlled by the PC and the commands from the PC are received by the microcontroller. The wireless video camera, which is embedded on the robot, captures the video and it transmits it to the PC which can be viewed over the windows. The project consists of two sub units one end is the **robot** the other end is the **PC**. The PC controls the movement of the robot and gets the information needed, back to the PC. The robot has a camera mounted on it so that it can transmit the signals to the pc. Sending and receiving is done through the transmitter and receiver.