1. Abstract

Modern technology has developed so that objects could be controlled remotely from any location by the user. Remote control of devices has greatly expanded the limitations of the application of the work done. In this project it was tested how a robotic hand could be controlled wirelessly using a data glove as the controller. This could be used in the industrial sector for many applications ranging from handling of volatile chemicals, to the medical sector, assisting in surgery. The controller is an easy to use device which gives a highly accurate and precise control of the robotic hand. The robotic hand and the controller are both programmed using Arduino, in which the signals of the controller are sent wirelessly to the microcontroller on the robotic hand, which will process the signals and give the signals to the motors on the robotic hand.