Gesture Controlling Robotic Hand

1) Development of a robotic arm, which is operated and controlled wirelessly with the help of hand gestures.

The complete robotic assembly is made into 2 parts, first, a transmitter assembly put on the gloves comprising of APC-220 Module, Arduino board, gyroscope, accelerometer and second, a receiver(for robotic arm) comprising of APC-220 module, Arduino board, servo motors and arm mounted on circular revolving base made of acrylic sheets.

2)

a) For transmitting end (robotic glove put on hand):

   i) APC-200 module transmitter

   ii) Arduino Mega -2560

   iii) Gyroscope

   iv) Accelerometer

   v) Gloves

b) Receiving end (robotic arm):

   i) APC-220 module receiver

   ii) 6 nos. Servo motors

   Iii) Arduino UNO 328p

   iv) Chassis   ███████

   v) Gears

3) We are interested to do this and know a bit about robots. And we don't know what we want to learn from this project, but this question will be well answered at the end of the project, what we have learnt from this project. as we may learn many things which are not know to us now.