**ABSTRACT**

A robotic arm is a mechatronic arm which is usually programmable the functions similar to human arm on a mounted stand. Robotic Arm which can be used in industries to do repetitive task such as moving the things from a conveyor to another place, in research for dangerous chemical test. This robotic arm is a human based control system using the controller application on android phone by driving servos from Arduino. Arduino Uno board is used to communicate with android phone and to drive the servo motors. This robotic arm is five degrees of freedom robotic arm which can move 180 degree and in 3 directions and can do almost all the works of gripping. First of all, this robotic arm is able to move a specific point of its workspace through x, y and z axis vales automatically if the points are given. Secondly, Bluetooth module support in robotic arm as a wireless interface between the robotic arm and the android phone so that the robotic arm can be controlled ten meter away from it. Finally, the commands can change immediately as the controller application stores the algorithms that run the robotic arm servos and Arduino receives the command by a unit.