

Design and Development of a Prototype of Industrial Robotic Arm Controlled by Touch Interface

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Abstract: *This project proposes a prototype of a industrial robotic arm to pick & place major & minor products with the help of two finger and three finger gripper which is controlled by touch interface. This project explores building a basic, controllable robotic arm for industrial purposes. Instead of using a joystick or buttons, this arm will be controlled by a touch interface. Imagine a tablet or screen where you can simply touch where you want the arm to move. This prototype will focus on the design, construction, and testing of this touch-controlled system. Developing this prototype involves two main parts: the robotic arm itself and the touch interface. The robotic arm will be constructed with lightweight materials and controlled by servo motors, allowing for precise movement. These motors will be connected to a microcontroller board, which is the brain of the system..*

Keywords: Cartesian Robot, Pick and Place, Grasp Major And Minor Products, Two and Three Finger Gripper, Servo Motors.

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