

# CONTROL SYSTEM OF A ROBOTIC ARM

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## ABSTRACT

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The title of my project is Control System of a Robotic Arm. My design is to carry an object from a conveyor to another conveyor automatically by using PLC (Programmable Logic Controller). What give be an ideal of this project? Nowadays many factories are suing PLC to control a machine to do some simple and repeated tasks. So as a future engineer, I should know how to control or design an automatic machine in the work field. I would like to write a program by myself and design a prototype robotic arm, to prove that I prove that I have the ability to become a Mechatronics Engineer. So this project may help me to handle a machine more easily. Similarly, it also adding an advantage to get a job in future.

In my project paper, I will illustrate the big picture about my design through vary sources as diverse as pictures, diagrams, and tables. It also will enable to aware the purpose and objective by installing my design project into a machine linked with my PLC. My report is going to bring you a list of electronic circuit components, motors, circuit diagram and the details of PLC. Here, I have to say that my project only concentrate in programming, not the structure of robotic arm. In other word, to carry out the task smoothly we shall consider the ideal DC motors and a suitable material of the structure to be included in this project.

Ultimately, I wish I would bring the best of mine to those who read my report. And my report will help those who wanted to know how it actually works and understand more about my Automatic Robotic Arm.