

# **AUTOMATION OF A 'PICK AND PLACE' MECHANISM FOR FARM EGGS**

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## **ABSTRACT**

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This project is concerned with the giving automation of pick and place mechanism for farm eggs. This project will be carried out by using Programmable Logic Controller and electrical components and pneumatics equipments. Programmable logic controller language is important to develop the program to control the whole movement of the machine. Programmable logic controller receive input from electrical component such as switches and then PLC will interpret an output signal to the machine component such as solenoid valve and motor. The pneumatic equipments such air-cylinder is controlled by solenoid valve. Electrical component such as relay is used because of PLC ampere is low and to change the direction of the motor.