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**ROBOTIC ARM VEHICLE**

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## **ABSTRACT**

Humans have invented variety of robot to help us in many ways. One of the thing that popular concept today is about robot that will work like human arm .Robotic arm usually located at factory because it can work longer and faster than human which is make the product better and neat. . Hence, even though it have great capability, it will only do specific task that they were programmed. By adding the vehicle to robotic arm, we try to make more flexible and innovative. This project consist of driver motor, four servo motor, DC power supply , Nodemcu and Arduino Uno , two DC motor and a mobile application. Driver motor is used to take a low-current control signal which is from control circuit, and then turn into a higher-current signal that can driver DC motor. Servo motors is used for the movement of robotic arm as we place it at the joint and DC power supply used for supplies a constant DC voltage to Nodemcu and Arduino Uno. Next, Nodemcu is used to process input and output and data sending via internet while Arduino Uno acts as ports for servo motors. Lastly, DC motors is used for the wheel of car to move and the application is used to give commands to robotic arm vehicle by using internet. The aim of this project is to help the workers at factory and laboratory in order to create an environment that will become more productivity.

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