

ABSTRACT

In this case authors made smart curtain using the lot-based NodeMcu microcontroller and a website as device controllers, so they could maximize the performance of existing technology. To ease human work in everyday life, such as opening or closing curtains remotely, the role of these smart curtains can help minimize the user's time. The role of the WiFi module on the NodeMcu is very important as a connection between the device and the website. There are several components that are used including the L298N Module as a drive for direction and speed of the Dc Dinamo, the LM2596 Module as a voltage drop in the Power Supply. The website controls the entire tool using the internet connection provided by the WiFi module on Nodemcu. At the website creation stage there are several methods used, namely, Javascript as the recipient of requests on Nodemcu through the library provided, namely httpclient, Php as sending requests to javascript which is commonly called the XmlHttpRequest Api, and Mysql is used as a data store that has been sent.

Keywords: Smart Curtains, Website, Javascript, Php, Mysql.