Abstract

An Electric Vehicle Supply Equipment (EVSE) is the equipment which is used to charge Electric Vehicle (EV). This paper describes about how a web page can reduce the time and workload for testing the test scripts created for the complete system. Car simulator board is being used to simulate the action of the EV. It is not feasible to test number of test cases again and again as it is time consuming and increases manual work. Automation of the test cases is the main aim of this paper. To automate this test cases a web page is developed with the help of MEAN stack. It will also be helpful to automatically login to the mobile and web applications. An algorithm is explained for this complete process. It also explains about the implementation of the webpage. Modbus is being used to connect the program written in the system into the microchip. This does not imply that automation will completely replace manual testing, but will provide adequate support to the testing life cycle.


Index Terms

Computer Science

Software Engineering
Keywords

Electric Vehicle Charging System (EVSE), Test automation, MEAN Stack, Test cases.