Student Details: PENKE JNANEWSARI (N180540) @CSE Department

PROJECT TITLE: REMOTE CONTROL VEHICLE USING WIFI TECHNOLOGY

ABSTRACT OF THE PROJECT:

This project proposes the design and implementation of a remote-controlled vehicle using Wi-Fi technology, which can be controlled via computer or mobile devices. Remote-controlled vehicles are gaining popularity in security and rescue departments. We have developed a sample prototype of the working model, and further additions such as automatic driving based on machine learning will be implemented. This vehicle can be controlled by any individual using their Android mobile phone by downloading an app and connecting it to the NodeMCU module installed inside the vehicle. It is capable of detecting obstacles, and users can perform actions such as moving forward, backward, and turning left or right by issuing commands through the mobile phone app. We have constructed this toy vehicle using scrap items, thus reducing the project's cost.
Components

Experimental Setup: