

GLASS CLEANING ROBOT

ABSTRACT

High-rise glass buildings won't look so good if they weren't cleaned from outside from time to time. Cleaning glass of such high rise buildings is very tricky and dangerous job. The goal of this examination is to plan and build up a minimal effort Node MCU self-governing robot cleaner utilizing mapping algorithm to clean glass space of houses or workplaces. This device will clean the glass (dry as well as wet cleaning) with high accuracy and well functionalized electronic and mechanical control system. This smart robot is based on the two modes of working, manual as well as automatically. By using Node MCU, it can be controlled using a mobile app. When it is in automatic mode, edges are detected by an IR sensor. BLTC motor is used to suck on the glass surface.

BLOCK DIAGRAM

