

All Purpose Robot for Floor Cleaning and Mopping with Metal Detector

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Abstract: Robots are being extensively used in various fields of work. They have taken over dangerous, boring, and monotonous jobs. While cleaning is still done with the help of maids and janitors in institutes and big building complexes which strains and tires them? Hence the need for an autonomous floor cleaning robot. The existing floor cleaning robots are bulky and are not very user-friendly. They tend to be on the expensive end. Automatic floor cleaner is a compact robotics system which provides floor cleaning service at big industrial floor, co-operate offices, sports stadium, bus stands, railway platform and educational institute for reducing human efforts. A robot which is capable of efficient dust cleaning and mopping of the floor of a given room is the main aim of the robot. Robots are being developed that will be useful for colleges, offices, and industries in order to be economically feasible. This helps to keep the workspace clean without physical labour. Also, the device will clean the room with a single switch of a button.

Keywords: Floor Cleaning, Smart Robot, Floor Mopping, Metal Detection, NodeMCU.

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