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Abstract

The purpose of this project is to develop a multifunctional robot using arduino and Iot(internet of things). It is basically a helper bot which could be used at different places such as hospitals, mines, household chores. The functions of this robot are to pick and place material used by patients in hospital and dispose the used materials which can spread germs or bacteria of diseases, this can disposes tissues syringe, needles etc. It can also be used for surveillance since it will also have a camera. One can use this robot for patients under observation, to keep record of their activities. This robot is equipped with hardware and software. This robot can be controlled by using the remote controller and also using computer program. The main objective of this project is to develop a prototype a multifunctional robot robot that can be used as a teaching method to deliver a better understanding of basic function, operation and programming of a robot. The application of this project is also can be used in other related field such as industry, mining, medical, military and so on. This project was successfully developed and tested and the hardware and the software could be integrated and working well without error.

Keywords:
IoT,Wi-Fi shield,sensors,Arduino IDE,IP Webcam,Multi-functional robot

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