Patent Search

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Abstract:

The main objective behind this invention is to develop a robot to perform the act of surveillance in domestic areas. Nowadays robot plays a vital role in our day to day life activities thus reducing human labour and human error. Robots can be manually controlled or can be automatic based on the requirement. The purpose of this robot is tc around and provide video information from the given environment and to live stream that obtained information to the user. In this invention, one can control the robot wi help of mobile or laptop through Internet of Things (IoT) and also can get the live streaming of video both in daytime as well as at night with the help of wireless camera fr robot. The robot can be controlled manually with the help of Arduino microcontroller. Along with the obtained live streamed video output, user can also obtain the presen any unusual activities through this. Thus the action of surveillance can be performed. Further advancement in our invention can provide surveillance even in defense area

Complete Specification

Description:A device which provides electricity or different kinds of power to drive an output load or various number of installed components. In the Fig.1 Shown the Arduino, Power supply web server, mobile/pc, robot, LCD and Wi-Fi module. Power offer could be a regard to supply of electricity or battery. The supply is mostly ordinarily injected to voltage consuming component, less typically to mechanical parts, and barely other parts. In this device a 12V DC power is offer to all electronics related component. There is a requirement to step down electrical device, rectifier, transformer, and filter circuit for smoothing generated 12V DC power which is shown in Fig.2. Robot is a machine which is developed to do particular task. Industries are used automated technology to perform risky jobs. This is helpful to minimize life risk of human. For example security purpose we used automated security system instead of human. For home security, we used camera which is mounted on fixed location such as doors, windows, walls. This robot is control by using PC, android mobile or a laptop via website. The camera captures video and sends it back to controller's device via internet. According to this, our system helps to controls the terrorist attack anywhere on earth except water by monitoring and controlling of robot via internet through IoT. The camera is mounted on the robot to get better visibility of the objects nearby robot. This
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