

Conferences > 2021 International Conference... ?

Surveillance Through Semi-Autonomous Bot

Publisher: IEEE

Cite This

PDF

<< Results

Rohit Kadhane ; Akshit Kumar ; Kushal Bhattad ; Ashish Srivastava All Authors

22 Full Text Views

Alerts

Manage Content Alerts

Add to Citation Alerts

Abstract

Document Sections

I. Introduction

II. System Design and Implementation

III. Result

IV. Conclusion

Authors

Figures

References

Keywords

Metrics

More Like This

Download PDF

Abstract:This paper consists of the design and implementation of the semi-autonomous surveillance bot. The idea presented in the paper is to monitor a surrounding or unknown area.... **View more**

Metadata

Abstract:
This paper consists of the design and implementation of the semi-autonomous surveillance bot. The idea presented in the paper is to monitor a surrounding or unknown area. This paper carries the different phases of realization such as the motion of the robot, obstacle avoidance, and video capturing and streaming. After the video has been captured the recorded clip is streamed to a remote server which assesses the surrounding. For the implementation of the idea, different tools were required for the execution of the precursor. For building the model, the hardware required was Raspberry Pi, infrared sensors, L293D motor driver. Raspberry Pi consisting of a Raspbian operating system running on python language for video capturing and obstacle sensing was used.

Published in: 2021 International Conference on Design Innovations for 3Cs Compute Communicate Control (ICDI3C)

Date of Conference: 10-11 June 2021 **INSPEC Accession Number:** 21142299

Date Added to IEEE Xplore: 27 September 2021

More Like This

A design of mobile robot based on Network Camera and sound source localization for intelligent surveillance system
2008 International Conference on Control, Automation and Systems
Published: 2008

ERS-210 Mobile Video Surveillance System
2005 portuguese conference on artificial intelligence
Published: 2005

Show More