

Algorithm For Object Detection Using Raspberry Pi

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Abstract :

This paper presents about “Detecting the movement of object and capture the still of the object”. It describes how the system is built and implemented in the embedded device using “Raspberry Pi”. These type of system is troubled people for years because it is expensive, large size, hard to install and immovable after installed. To solve this problem, “An Object Detection Monitoring System can be designed using Raspberry Pi, PIR Sensor and Pi camera as hardware modules with help of python language and Linux shell script. The program can be developed using these languages to detect the motion of object and takes picture of it and send to mail under Internet network, same time it will record the video of motion. And It is capable of finding the ratio of detected object with in the camera frame.

Keywords: Raspberry Pi, PIR Sensor, Pi camera,