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Department of Information Technology
Major Project-VIII Semester (2022-23)
ABSTRACT

Title: Smart LED Camera

Security cameras known as smart LED cameras combine the capabilities of a smart device with those of a regular CCTV camera. As a result, they may record video and store it in the cloud, as well as be operated remotely using a smartphone or tablet. Although smart LED cameras are frequently used for home security, they may also be utilized for a wide range of other things, like keeping an eye on pets or elderly family members.

The system uses the ESP32 microcontroller, which provides connectivity with various sensors and devices, including the camera module. The camera module provides the system with surveillance capabilities, allowing users to capture images or videos of the surroundings. The captured images or videos can be streamed or recorded on a cloud-based platform, providing users with remote access to the surveillance data.

Smart LED cameras are a type of security camera that combines the features of a traditional CCTV camera with the functionality of a smart device. This means that they can be controlled remotely using a smartphone or tablet, and they can also record and store footage in the cloud. Smart LED cameras are a versatile and easy-to-use security camera that can help to keep your home or business safe and secure. They offer a variety of features that can be customized to meet your specific needs.

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