

EMPLOYEE MONITORING SYSTEM THROUGH INFRARED IDENTIFICATION

Degree Project Report



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DEDICATION

We dedicate this report to our parents and friends in recognition of their worth and to my teachers who are the guiding force for me and it is their effort and hard work that showed me the path of success and prosperity which would be there for me for the rest of my life.

ABSTRACT

Until now in industries, large organization, hospitals, offices have monitoring systems on their entrances like biometric and cameras. The operator in monitor room has the tedious task of monitoring more than 30-40 camera feeds. Instead, by using IR identification, employee tracking solutions for personnel monitoring provides visibility to individuals entering and exiting restricted areas, their location within controlled zones, and their location history. It is a complete package for detecting and tracking employees, third parties, and customers. We added security for people and assets easily, and set up security zones for automated tracking. The project has number of phases, such as implementation of IR transmitter, decoder, microcontroller, LCD interface and finally an interface with computer for simulation and tracking.

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