DESIGNING OF MCU BASED SAFETY LOCKER

A Project report submitted in partial fulfilment of the requirements for the award

of degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

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DEPARTMENT OF

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(NAAC Accredited, Accredited by NBA, Approved by A.I.C.T.E,

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TAMARAM (P.O), MAKAVARAPALEM (M.O) , NARSIPATNAM (R.D)

VISAKHAPATNAM DISTRICT-531113

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CERTIFICATE

This is to certify that the project entitled "DESIGNING OF MCU BASED

SAFETY LOCKER" in partial fulfilment for the of degree of Bachelor of Technology in

ELECTRONICS AND COMMUNICATION ENGINEERING, at AVANTHI INSTITUTE

OF ENGINEERING AND TECHNOLOGY, MAKAVARAPALEM, VISAKHAPATNAM is

an bonafide work carried out by P.SAI SRAVANI (18811A0421), V.RAJYA LAKSHMI SAI

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ABSTRACT:

At present, key-pad electronic lock with alarming function and embedded spy camera is gradually replacing the traditional mechanical locks which contain few password and lack of reliability, but keypad/fingerprint based electronic lock makes a great progress in terms of technology and performance. This smart lock system with embedded spy camera as security solution used to view video of a persons who tries to access locker. The system uses a camera for video surveillance, and it remotely transmits video images to the phone/computer using Wi-Fi as medium and allow door control from any location.

In this project the fingerprint sensor will take the fingerprint of the user and forward it to the micro-controller to match with its records. If the print matches with one of the fingerprints of the micro-controller's memory, if it match the data inside the controller then ask enter password then password matches then door will be open otherwise check three times for better security again if it is not matched then automatically take the pic and send to owner and alerts the buzzer for alerting neighbors.