

A

Project Report

On

ACCIDENT PREVENTION AT HILL STATION

Submitted to

Department of

ELECTRONICS & COMMUNICATION ENGINEERING

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
SUMATHI REDDY INSTITUTE OF TECHNOLOGY FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to JNTUH, Accredited by NBA)

Ananthasagar (Vill), Hasanparthy (M), Warangal.

2022-23



Rajan

PRINCIPAL

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project entitled "ACCIDENT PREVENTION AT HILL STATION" carried out by the following students of III Year B.Tech in Electronics and Communication Engineering during the academic year 2022-23.

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ABSTRACT

The main aim of this project is to implement a code protected lock that provides a great benefit over a traditional lock, as well as great security. The system consists of a keypad, LCD along with a microcontroller and servo motor. Users can perform operations such as opening and closing the lock changing the current password through the keypad.

This project is to make a lock which will ensure security as well as cost efficient implementation. Code protected lock comprises of keypad as input, LCD display as output device and micro controller as controlling unit. The lock system is protected by a password/code which is set by the user. The lock is opened only when the correct code is inserted. On the other hand, password, changing option is somehow more security, that code along with the old code is needed. Thus, the enhanced security of the system is ensured.



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