A

Project Report

On

IOT BASED SMART HELMET

Submitted to

Department of

ELECTRONICS & COMMUNICATION ENGINEERING

By

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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

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project entitled "**IOT BASED SMART HELMET**" 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

An Internet of Things (IoT) Voice Controlled Home automation system is presented in this project. This project is useful for controlling electrical switches in households and industries using voice via a mobile phone. ATmega328 microcontroller is used in this project to execute all instructions from the user. In case a user cannot reach or use an electrical switch, no need to call for help. By initiating the right voice commands, the user can use any electrical device connected to the system without any mobility. In this system, the mobile software application connected to the internet communicates with the controller (system) via Wi-fi technology which allows the users' commands to be executed by the ATmega328 microcontroller.

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