MEDICATION REMAINDER FOR ELDER USERS USING FACIAL RECOGNIZATION

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

Of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMUNICATION ENGINEERING

Submitted by

K. MOUNIKA	**Regd.No.21815A0414**
P.V.S.V. BHARGAVI	**Regd.No.21815A0408**
P. SRINU	**Regd.No.20811A0449**
R.V. DURGA PRASAD	**Regd.No.20811A0463**

Under the guidance of

Ms. B. MAHA LAKSHMI M. Tech

ASSISTANT PROFESSOR

AVANTHI INSTITUTE OF ENGINEERING &TECHNOLOGY

DEPARTMENT OF

ELECTRONICS AND COMUNICATION ENGINEERING

(NAAC Accredited, Approved by A.I.C.T.E, Permanently Affiliated to J.N.T.U. VIZIANAGARAM)

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

ANKAPALLI DISTRICT-531113

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Permanently Affiliated to J.N.T.U. VIZIANAGARAM)
TAMARAM (PO), MAKAVARAPALEM (MO), NARSIPATNAM (RD)
ANAKAPLLI DISTRICT-531113

DEPARTMENT OF
ELECTRONICS AND COMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project entitled "MEDICATION REMAINDERFOR ELDER USERS USING FACIAL RECOGNIZATION" in partial fulfilment for the of degree of Bachelor of technology in ELECTRONICS AND COMUNICATION ENGINEERING, at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, MAKAVARAPALEM, ANAKAPLLI is a bonified work carried out by K. MOUNIKA (21815A0414), P.V.S.V. BHARGAVI (21815A0408), P. SRINU (20811A0449), R.V. DURGA PRASAD (20811A0463) Under the guidance and supervision during 2020-2024.

PROJECT GUIDE

B. MAHA LAKSHMI, M.Tech
Assistant professor

HEAD OF THE DEPARTMENT
DEPARTMENT OF ECE
Avanthi Institute of Engg. & Tech.
Makavarapalem, Visakhapatnam Dist-531 113

HEAD OF THE DEPARTMENT

Dr E.GOVINDA, M.Tech, Ph.D
Professor

External Examiner

ABSTRACT

Medication Reminder for Elderly Users: Integrating Facial Recognition with Simplified UI forAdding and Deleting Reminders" combines advanced facial recognition technology with a user-friendly interface tailored for elderly individuals. The system employs facial recognition to identify users and deliver personalized medication reminders. Additionally, the simplified UI enables effortless management of reminders, allowing users to easily add or delete medication alerts according to their prescription schedule. This integrated approach ensures accurate and personalized medication adherence support, enhancing the overall health and well-being of elderly users.proposes a novel approach to medication adherence for elderly individuals using facial recognition technology. With the growing population of seniors and their susceptibility to medication errors, there is a pressing need for innovative solutions to support their healthcare management. Our system utilizes facial recognition algorithms to identify users and provide timely reminders for medication intake. Through a user-friendly interface, elders can easily register their medication schedules, and the system delivers personalized reminders based on their facial recognition data. Additionally, the system incorporates feedback mechanisms to adapt to user preferences and changes in medication routines. A pilot study demonstrates the feasibility and effectiveness of the proposed system inimproving medication adherence among elderly users. Overall, our solution presents a promising avenue for leveraging technology to address medication management challenges among the aging population.