

SRI VENKATESWARA ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated
to JNTUA, Anantapuramu)

KARAKAMBADI ROAD, TIRUPATI -517501

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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Project Abstract

On

Personal Healthcare Management System

Submitted By

AREM TEJA

209E1A0509

AVULAPATI NIRANJAN

209E1A0511

CHITTAMURI POOJITHA

209E1A0544

GEDDAM MOUNIKA

209E1A0562

Section: CSE-A

Batch No: 4



Under the guidance of, Ms I.Madhavilatha M.Tech,Assistant Professor

Signature of Guide

Signature of HOD

-----For Project Coordinator purpose-----

Submitted Date: _____

Submission Time: _____

Signature of Project Coordinator

Personal Healthcare Management System

Abstract

The Personal Health Management System seamlessly blends machine learning and web development to empower users in tracking and enhancing their well-being. The journey begins with a straightforward registration process, where users provide essential details like name, gender, and a secure password. The system reinforces security through captcha verification.

Upon successful registration, users proceed to the login page, where they enter their name and email. Once authenticated, they gain access to the home page-a hub of diverse health metrics. Users can input data on exercise routines, water intake, sleep duration, weight, blood pressure, heart rate, and measuring mood using facial mood recognition using Machine Learning.

The innovative aspect of the project lies in its machine learning capabilities. The system analyses the entered health data and provides personalised insights. The results are categorised as the score, offering users a clear snapshot of their well-being.

This project not only emphasises active user participation in health tracking but introduces streaks as a motivational element, promoting daily logins for sustained engagement. The incorporation of facial mood recognition, streaks, and the Health Score feature adds a gamified and personalised dimension to the user's health management experience.

Technologies:

- 1. Web Development** - HTML, CSS, JavaScript, React, Node.js, MongoDB
- 2. Machine Learning** - TensorFlow.js