VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI – 590 018

A MINI PROJECT REPORT ON

"HEALTH MONITORING SYSTEM"

BY

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This is to certify that, the Mini Project entitled **"HEALTH MONITORING SYSTEM"** for the subject code **21CSMP67** has been successfully completed and report submitted by **SANNIDHI(4AL21CS128)** during the academic year 2023–2024. It is certified that all corrections/suggestions indicated presentation session have been incorporated in the report and scored___93___Marks out of 100.

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ABSTRACT

The Smart Health Monitoring System is designed to transform healthcare delivery by integrating advanced technology to monitor patient health, facilitate communication between doctors and patients, and streamline the management of healthcare data. This system includes specialized interfaces for doctors, patients, and administrators, each addressing their specific needs to ensure a seamless healthcare experience.

For doctors, the system offers a comprehensive health dashboard that provides real-time data on patient metrics, such as previous records. This enables early detection of health issues and supports informed decision-making. Doctors can access detailed medical records, manage appointments, and utilize communication.

Patients benefit from a user-friendly interface that gives them access to their complete medical history, lab results, and appointment management. They can also receive and manage prescriptions electronically, track vital signs in real-time, and use secure communication tools to interact directly with their doctors. This empowers patients to take a proactive role in their health management and ensures they have easy access to necessary medical services.

Administrators are equipped with tools to manage the overall operation of the system, including user account management, data security, and compliance with privacy standards. They oversee data storage, backup, and integrity, and use reporting tools to generate insights on system performance and patient outcomes. By integrating these features, the Smart Health Monitoring System aims to enhance healthcare delivery, improve patient outcomes, and provide a secure, efficient platform for all stakeholders.

By integrating these components, the Smart Health Monitoring System aims to enhance healthcare delivery, improve patient outcomes, and streamline the management of health data. The system's secure, efficient, and user-friendly platform addresses the critical needs of patients, doctors, and administrators, fostering a more connected and responsive healthcare environment. Overall, this system represents a significant advancement in healthcare technology, offering a holistic approach to health monitoring and management that benefits all stakeholders involved.