MEDIPORTAL

*Submitted for partial fulfillment of the requirements for the award of*

# BACHELOR OF TECHNOLOGY

**in**

# COMPUTER SCIENCE & ENGINEERING

by

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**(Engineering Tier-I Accredited by NBA)**

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June 2024

# DECLARATION

We, Mr./Mrs. **PUSAPATI MOHANA SIVA ARUN KUMAR**, Mr. /Mrs. **KARUMANCHI CHINNU** , hereby declare that the Mini Project Report entitled **“MEDIPORTAL”** done by us under the guidance of Dr. N. Sri Hari, Associate Professor, CSE at Vasireddy Venkatadri Institute of Technology is submitted for partial fulfillment of the requirements for the award of Bachelor of Technology in Computer Science & Engineering. The results embodied in this report have not been submitted to any other University for the award of any degree.

DATE : 5-6-24

PLACE : Nambur

SIGNATURE OF THE CANDIDATE (S)

# ACKNOWLEDGEMENT

We take this opportunity to express my deepest gratitude and appreciation to all those people who made this project work easier with words of encouragement, motivation, discipline, and faith by offering different places to look to expand my ideas and helped me towards the successful completion of this project work.

First and foremost, we express my/our deep gratitude to **Sri. Vasireddy Vidya Sagar,** Chairman, & **Sri. Mahadev Vasireddy,** Vice-Chairman, Vasireddy Venkatadri Institute of Technology for providing necessary facilities throughout the B.Tech programme.

We express my/our sincere thanks to **Dr. Y. Mallikarjuna Reddy**, Principal, Vasireddy Venkatadri Institute of Technology for his constant support and cooperation throughout the B.Tech programme.

We express my/our sincere gratitude to **Dr. V. Ramachandran**, Professor & HOD, Computer Science & Engineering, Vasireddy Venkatadri Institute of Technology for his constant encouragement, motivation and faith by offering different places to look to expand my ideas.

We would like to express my sincere gratefulness to our Guide, **Dr. N. Sri Hari**, Associate Professor, CSE for his insightful advice, motivating suggestions, invaluable guidance, help and support in successful completion of this project.

We would like to express our sincere heartfelt thanks to our Project Coordinator, **Mr. M. China Pentu Saheb**, Associate Professor, CSE for his valuable advices, motivating suggestions, moral support, help and coordination among us in successful completion of this project.

We would like to take this opportunity to express my thanks to the **Teaching and Non- Teaching** Staff in the Department of Computer Science & Engineering, VVIT for their invaluable help and support.

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**CERTIFICATE**

This is to certify that this **Mini Project Report** is the bonafide work of **Mr./Mrs. PUSAPATI MOHANA SIVA ARUN KUMAR, Mr. /Mrs. KARUMANCHI CHINNU,** bearing Reg. No. **22BQ1A05I0, 23BQ5A0511,** respectively who had carried out the project entitled **“MEDIPORTAL"** under our supervision.

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# NOMENCLATURE

# ABSTRACT

**MediPortal: A Comprehensive Healthcare Management System**

The healthcare industry faces numerous challenges in managing patient information, scheduling appointments, handling medical records, and ensuring effective communication between patients and healthcare providers. To address these challenges, MediPortal has been developed as an innovative and comprehensive healthcare management system. This project aims to streamline the administrative processes of healthcare facilities, improve patient care, and enhance communication within the healthcare ecosystem.

MediPortal offers a wide range of features designed to meet the needs of both patients and healthcare providers. Key functionalities include patient management, where patient records and medical histories are securely stored and easily accessible; appointment scheduling, which allows patients to book, reschedule, or cancel appointments online; and electronic health records (EHR) that provide a centralized and secure repository for all patient-related data.

Additionally, MediPortal supports telemedicine, enabling virtual consultations that expand access to healthcare services. The system also includes robust billing and payment processing features, facilitating seamless transactions and insurance claims. Secure messaging tools ensure that communication between patients and healthcare providers is both efficient and confidential.

By integrating reporting and analytics capabilities, MediPortal provides healthcare providers with valuable insights into patient care and operational efficiency. These insights support informed decision-making and help to improve overall healthcare outcomes.

MediPortal is designed to be user-friendly, scalable, and secure, making it suitable for a variety of healthcare settings, including hospitals, clinics, and private practices. Through the adoption of MediPortal, healthcare providers can achieve greater efficiency, enhance patient satisfaction, and ultimately deliver higher quality care.

# INTRODUCTION