HEALTHCARE BOOKING HUB

A PROJECT REPORT

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in partial fulfilment of the requirements

for the award of the degree

of

MASTER OF COMPUTER APPLICATIONS

DEPARTMENT OF COMPUTER APPLICATIONS

KONGU ENGINEERING COLLEGE

(Autonomous)

PERUNDURAI, ERODE – 638 060

DECEMBER 2024

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BONAFIDE CERTIFICATE

This is to certify that the project report entitled "**HEALTHCARE BOOKING HUB**" is the bonafide record of project work done by **HARINI MADURA M (Reg.No: 24MCR030), JEEVA A (Reg.No: 24MCR044)** and **KEERTHANA M (Reg.No: 24MCR055)** in partial fulfilment of the requirements for the award of the Degree of Master of Computer Applications of Anna University, Chennai during the year 2024-2025.

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Submitted for the end semester viva voce examination held on _____

INTERNAL EXAMINER **EXTERNAL EXAMINER**

DECLARATION

We affirm that the project report entitled **"HEALTHCARE BOOKING HUB"** being submitted in partial fulfilment of the requirements for the award of Master of Computer Applications is the original work carried out by us. It has not formed the part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

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We certify that the declaration made by the above candidates is true to the best of my knowledge.

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ABSTRACT

The project seeks to create a seamless and user-friendly platform for patients and doctors to efficiently organize appointments. Patients can search for doctors based on specialties, view their calendars, and book appointments. Doctors may manage their schedules, see patient appointments, and adjust their availability.

This project aims to create a Doctor's Appointment Web Application utilizing the MERN stack, which comprises MongoDB, Express.js, React.js, and Node.js. The backend, written in Node.js and Express.js, handles API calls for user authentication, appointment booking, and doctor administration.

MongoDB is the database, which stores user profiles, appointment details, and doctor information in a scalable manner.

The React.js frontend provides a dynamic and responsive user experience, allowing for real-time interactions and updates.

This technology reduces the traditional inconveniences of appointment scheduling by providing a digital, user friendly solution that increases productivity for both healthcare practitioners and patients.

ACKNOWLEDGEMENT

We respect and thank our correspondent **THIRU.A.K.ILANGO, B.Com.,M.B.A.,LLB.,**and our Principal **Dr.V.BALUSAMY B.E(Hons)., M.Tech, PhD.** Kongu Engineering College, Perundurai for providing us with the facilities offered.

We convey our gratitude and heartfelt thanks to our Head of the Department **Dr.A.TAMILARASI MSc., MPhil., PhD.,** Department of Computer Applications, Kongu Engineering College, for her perfect guidance and support that made this work to be completed successfully.

We also wish to express my gratitude and sincere thanks to our project coordinators **Dr.T.KAVITHA MCA., M.Phil., PhD.,** Assistant Professor (Sr.G), Department of Computer Applications, Kongu engineering College, who have motivated us in all aspects for completing the project in the scheduled time.

We would like to express our gratitude and sincere thanks to our project guide **Dr.M.JAGADEESAN MCA., M.Phil., PhD..,** Associate Professor, Department of Computer Applications, Kongu Engineering College for giving his valuable guidance and suggestions which helped us in the successful completion of the project.

We owe a great deal of gratitude to our parents for helping overwhelm in all proceedings. We bow our heart with heartfelt thanks to all those who thought us their warm services to succeed and achieve our work.

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LIST OF ABBREVIATIONS

MERN	MongoDB, Express JS, React and Node
JSJS	Java Script
HMS	Hospital Management System
CPU	Central Processing Unit
TB	Terabyte
GB	Gigabyte
VGA	Video Graphic Array
CSS	Cascading Style Sheets
HTML	Hypertext Markup Language
JSON	JavaScript Object Notation
BSON	Binary JavaScript Object Notation
API	Application Programming Interface
IOT	Internet of Things
HTTP	Hyper Text Transfer Protocol
URL	Uniform Resource Locator
EJS	Embedded JavaScript Templates
SMS	Short Message Service
AI	Artificial Intelligence