

# MEDICAL EMERGENCY HANDLING

## A PROJECT REPORT

*Submitted by,*

SAGAR	-	20211CSE0661
BINUSHRI MD	-	20211CSE0652
ROOPASHREE A	-	20211CSE0664
KEERTHANA MV	-	20211CSE0852

*Under the guidance of,*

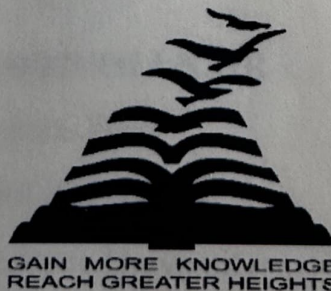
**Dr. G. Shanmugarathinam**

*in partial fulfillment for the award of the degree of*  
**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING, CYBER SECURITY**

**At**



**PRESIDENCY UNIVERSITY**  
**BENGALURU**  
**JANUARY 2025**

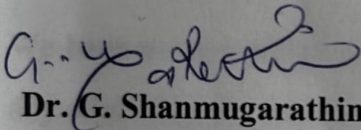


# PRESIDENCY UNIVERSITY

## SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

### CERTIFICATE

This is to certify that the Project report “MEDICAL EMERGENCY HANDLING” being submitted by “SAGAR, BINUSHRI MD, ROOPASHREE A, KEERTHANA MV” bearing roll numbers “2011CSE0661, 20211CSE0652, 20211CSE0664, 20211CSE0852” in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering is a Bonafide work carried out under my supervision.

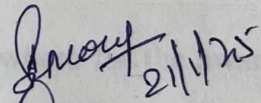


**Dr. G. Shanmugarathinam**

Professor

School of CSE&IS

Presidency University

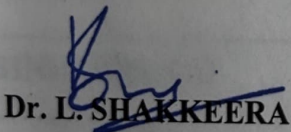


**Dr. Asif Mohammed**

Professor & HoD

School of CSE&IS

Presidency University

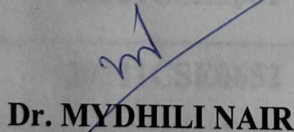


**Dr. L. SHAKKEERA**

Associate Dean

School of CSE

Presidency University

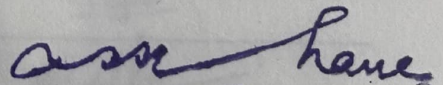


**Dr. MYDHILI NAIR**

Associate Dean

School of CSE

Presidency University



**Dr. SAMEERUDDIN KHAN**

Pro-VC School of Engineering

Dean -School of CSE&IS

Presidency University




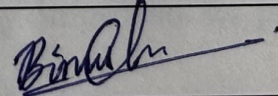
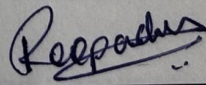
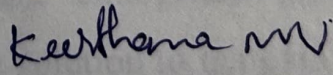
# PRESIDENCY UNIVERSITY

## SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

### DECLARATION

We hereby declare that the work, which is being presented in the project report entitled “**MEDICAL EMERGENCY HANDLING**” in partial fulfillment for the award of Degree of **Bachelor of Technology in Computer Science and Engineering**, is a record of our own investigations carried under the guidance of **Dr. G. Shanmugarathinam**, Professor, School of Computer Science Engineering & Information Science, Presidency University, Bengaluru.

We have not submitted the matter presented in this report anywhere for the award of any other Degree.

NAME	ROLL NUMBER	SIGNATURE
SAGAR	20211CSE0661	
BINUSHRI MD	20211CSE0652	
ROOPASHREE A	20211CSE0664	
KEERTHANA MV	20211CSE0852	



## ABSTRACT

Medical emergencies claim millions of lives annually in India due to delayed responses and lack of proper coordination between emergency responders, healthcare providers, and patients. This project addresses the critical need for a streamlined, efficient system to handle medical emergencies by designing an innovative **Medical Emergency Handling System 0**. The solution integrates a suite of applications aimed at parallelizing and optimizing the sequence of emergency response actions, ensuring minimal delays and efficient coordination.

The system incorporates advanced technologies to automate crucial tasks such as ambulance dispatch, hospital notification, and real-time updates to emergency contacts. By leveraging geolocation services and predictive algorithms, the platform identifies the nearest available resources, reducing response times significantly. The solution also provides seamless communication between healthcare professionals, emergency responders, and patients, bridging the gap between demand and availability of medical services.

This approach also focuses on adaptability, ensuring that the system caters to both urban and rural settings with varying infrastructure. The user-centric design makes the platform accessible and intuitive, fostering widespread adoption. Through real-time monitoring and data analytics, the system continuously improves its performance, learning from each incident to enhance future responses.

By addressing systemic inefficiencies in the current emergency management framework, the proposed project offers a transformative solution to mitigate delays in medical treatment. With the potential to save countless lives, this system is a step towards a resilient and responsive healthcare ecosystem, contributing to better outcomes during critical medical events.



## ACKNOWLEDGEMENT

First of all, we indebted to the **GOD ALMIGHTY** for giving me an opportunity to excel in our efforts to complete this project on time.

We express our sincere thanks to our respected dean **Dr. Md. Sameeruddin Khan**, Pro-VC, School of Engineering and Dean, School of Computer Science Engineering & Information Science, Presidency University for getting us permission to undergo the project.

We express our heartfelt gratitude to our beloved Associate Deans **Dr. Shakkeera L and Dr. Mydhili Nair**, School of Computer Science Engineering & Information Science, Presidency University, and **Dr. Asif Mohammed**, Head of the Department, Cyber Security, School of Computer Science Engineering & Information Science, Presidency University, for rendering timely help in completing this project successfully.

We are greatly indebted to our guide **Dr. G. Shanmugarathinam**, Professor, School of Computer Science Engineering & Information Science, Presidency University and Reviewer **Dr. Abdul Khader A**, Professor, School of Computer Science Engineering & Information Science, Presidency University for his inspirational guidance, and valuable suggestions and for providing us a chance to express our technical capabilities in every respect for the completion of the project work.

We would like to convey our gratitude and heartfelt thanks to the PIP2001 Capstone Project Coordinators **Dr. Sampath A K, Dr. Abdul Khadar A and Mr. Md Zia Ur Rahman**, department Project Coordinators and Git hub coordinator **Mr. Muthuraj**.

We thank our family and friends for the strong support and inspiration they have provided us in bringing out this project.

**Sagar**

**Binushri MD**

**Roopashree A**

**Keerthana MV**