

A Project Report on

# LIFE SAVER BLOOD BANK

Submitted in partial fulfilment of VI Semester BCA

**As prescribed by**

**INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS**

Developed by

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**Under the guidance of**

**Ms. APOORVA S.**

**Assistant Professor, DEPARTMENT OF COMPUTER SCIENCE**



# CERTIFICATE

This is to certify that the project entitled, **"LIFE SAVER BLOOD BANK"**, is bonafide work done by **ABHINAYA M, BALAJI G, DHEEPIIKHA SINGH** bearing Reg No. (22IABCA085, 22IABCA092, 22IABCA099) submitted in partial fulfilment of VI Semester BCA as prescribed by Indian Academy Degree College Autonomous, during the academic year 2024-2025

**INTERNAL GUIDE HEAD OF DEPARTMENT**

**Ms. Apoorva S. Ms. Anuradha P.**

**External Examiners 1.**

**2.**

## ACKNOWLEDGEMENT

We take this opportunity to thank our respected chairman, **Dr. T Soma Shekar**, for providing a wonderful environment and excellent infrastructure.

We take this opportunity to express our gratitude to our respected principal **DR. Bharathi S,** who installed root inspiration to us.

We also express our gratitude to our respected HOD, **Ms. ANURADHA P** for her constant cooperation for developing this project.

We would like to extend our thanks and appreciation to our project guide **Ms. APOORVA S** for her constant cooperation for developing this project.

## DECLARATION

We hereby declare that this project work entitled, “**LIFE SAVER BLOOD BANK**” is submitted to the department of computer science, Indian Academy Degree College Autonomous, Bangalore for partial fulfilment of the requirement for the award of Bachelor of Computer Application degree is a result of original work carried out by ourselves.

We further declare that we have not submitted this project either in part or in full to any other university for the award for any degree.

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**ABSTRACT**

The **Life Saver Blood Bank** is a web-based application designed to manage and streamline the process of blood donation and transfusion. The system aims to bridge the gap between blood donors and recipients by providing a centralized platform for managing donor information, blood stock, and requests in real time.

The project enables users to register as donors or recipients, search for available blood groups, and request blood units. The admin has full control over the system, including managing users, monitoring blood stock, and processing blood requests. Donors can update their donation history, and recipients can track their requests.

By automating manual processes and maintaining an up-to-date inventory of blood units, the system enhances the efficiency, transparency, and responsiveness of blood banks. Developed using PHP for the backend, MySQL for database management, and HTML/CSS/JavaScript for the frontend, the system offers a secure, user-friendly interface to ensure quick access to life saving blood, especially in emergency situations.