

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

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**MINI PROJECT REPORT**

**OF**

**BLOOD BANK MANAGEMENT SYSTEM**

**Submitted by**

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**Under the Guidance**

**of**

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**DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING**  
**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**

**MOODBIDRI- 574225, KARNATAKA**

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**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**

**MOODBIDRI- 574225, KARNATAKA**



**DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING**

## **CERTIFICATE**

*Certified that the mini project work entitled "**BLOOD BANK MANAGEMENT**" is a bonafied work carried out by*

**ANANYA**

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in partial fulfilment for the award of **BACHELOR OF ENGINEERING** in **INFORMATION SCIENCE AND ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM** during the year 2022-2023 It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.

**Ms Lolakshi P K**

**Project Guide**

A handwritten signature in black ink, appearing to be "Lolakshi", written over a horizontal line.

**Dr. SUDHEER SHETTY**

**Head of Department**

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## **ABSTRACT**

Blood bank management system is an error free, secure and reliable web application. It can assist the admin to concentrate on their other activities rather to concentrate on record keeping. Thus, it will help the organization in better utilization of resources. The organization can maintain computerized records without redundant entities. That means, this need not to be distracted by information that is not relevant while being able to reach the information. The aim is to automate the existing manual blood bank management system by the help of computerized equipment and full-fledged web application, fulfilling their requirements so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically, the project describes how to manage for good performance and better services for the user/patient by providing blood belonging to a particular blood group required by the user. In the modern world, manually storing and maintaining information about the patient, donor and blood banks is difficult and time consuming, error prone. So, adapting a database system and computerized technology is very necessary, so we are developing a database system through which a blood bank and user can connect and also doctor who act as an admin can maintain their database. This system will automate the operation of the blood bank management system and make simpler. Conducting volunteer blood donation camps on regular basis will increase the stock o blood units in blood bank which is needed for optimum functioning of the blood bank management system. The website will consist of two modules that are admin module and user module. The admin is a doctor who has the privilege to add a donor, delete a donor etc. The user is the patient who needs the blood in emergency situation. Our project will help the patient to get the details of matching donors' blood available in blood bank.