Bangladesh army university of Engineering and Technology

Emergency Blood and Ambulance Management System

1 INTRODUCTION

This system Ensures quick emergency response by connecting hospitals, patients, and donors for faster ambulance and blood support.

2 OBJECTIBES

- To Automate blood donation and ambulance coordination processes.
- To Provide online platform for quick emergency requests and updates.
- Strengthen communication between hospitals, patients, and donors.

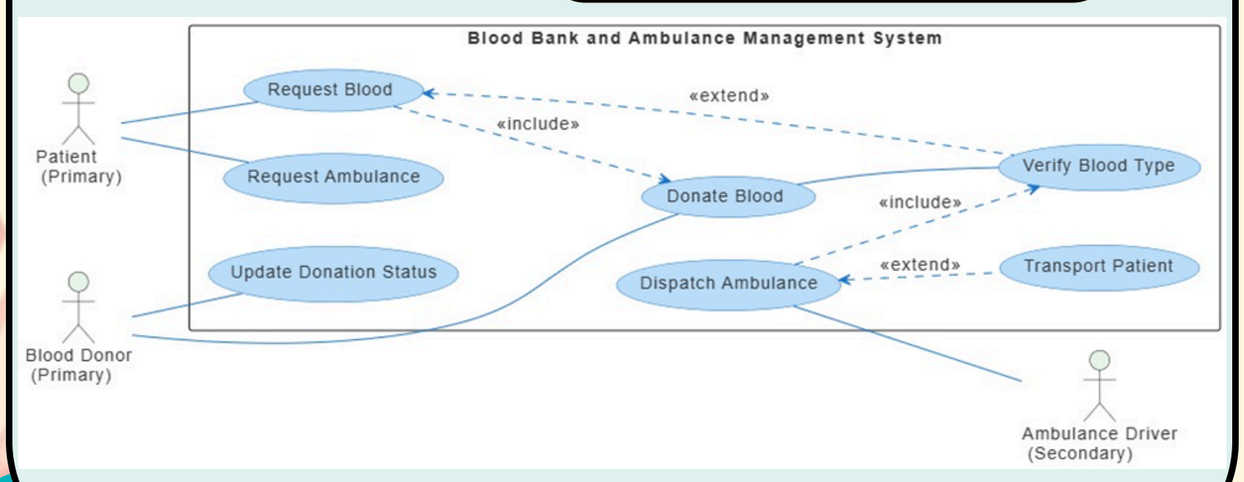
3 ANALYSIS

- Identifies delays and communication issues to improve system speed and efficiency.
- Collects data from hospitals, staff, and donors to improved communication and efficiency based on findings.

4 FEASIBILITY STUDY

- Total Cost: 2,48,000 BDT
- Total Benefit: 2,05,000BDT
- Present Value of Total Cost: 2,00,000 BDT
- Present Value of Benefit: 1,70,000 BDT

5 USE CASE DIAGRAM



6 ADVANTAGES

- Automates emergency blood and ambulance operations.
- Enables faster and more reliable access to critical medical services.
- Reduces manual work and communication delays.
- Enhances patient survival chances by quick response.
- Provides a cost-effective and efficient digital solution.

7 LIMITATIONS

- Dependent on internet connectivity (no offline functionality).
- Limited scalability in remote or underdeveloped areas.
- Requires trained operators to manage and monitor the system effectively.

8 CONCLUSIONS

The system unites donors, hospitals, and ambulances on one platform to deliver faster, smarter, and life-saving emergency healthcare.