UNIVERSITY PARTNER

UNIVERSITY OF WOLVERHAMPTON

Online Blood Donation System

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HERALD COLLEGE KATHMANDU | ing GROUP

Introduction

- Welcome to the Blood Donation System — a platform that connects donors and receivers.
- Streamlines blood request and donation management.
- Admins oversee system operations and programs.

Aims and objectives

- Promote voluntary blood donation.
- Provide real-time donor–receiver interaction.
- Efficient database-backed record management.
- Improve emergency response time.
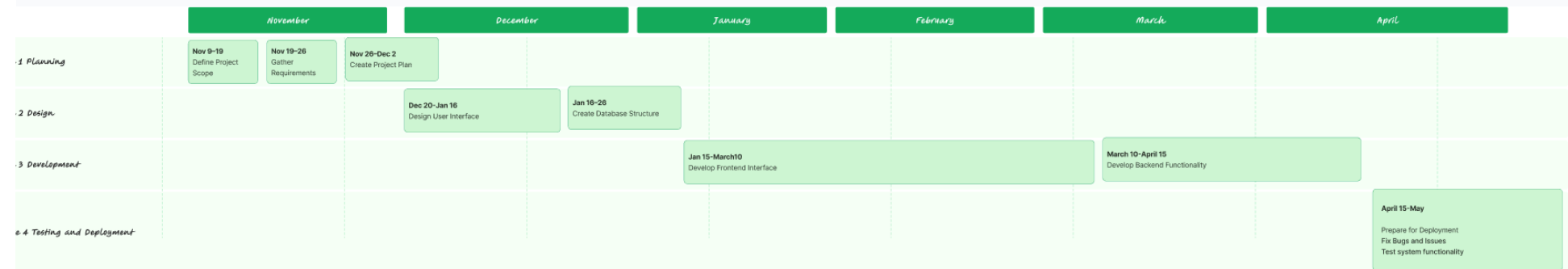- Ensure data security and privacy.

Academic Question

How can digital platforms enhance blood donation management and encourage voluntary donor participation while ensuring security, transparency, and operational efficiency?
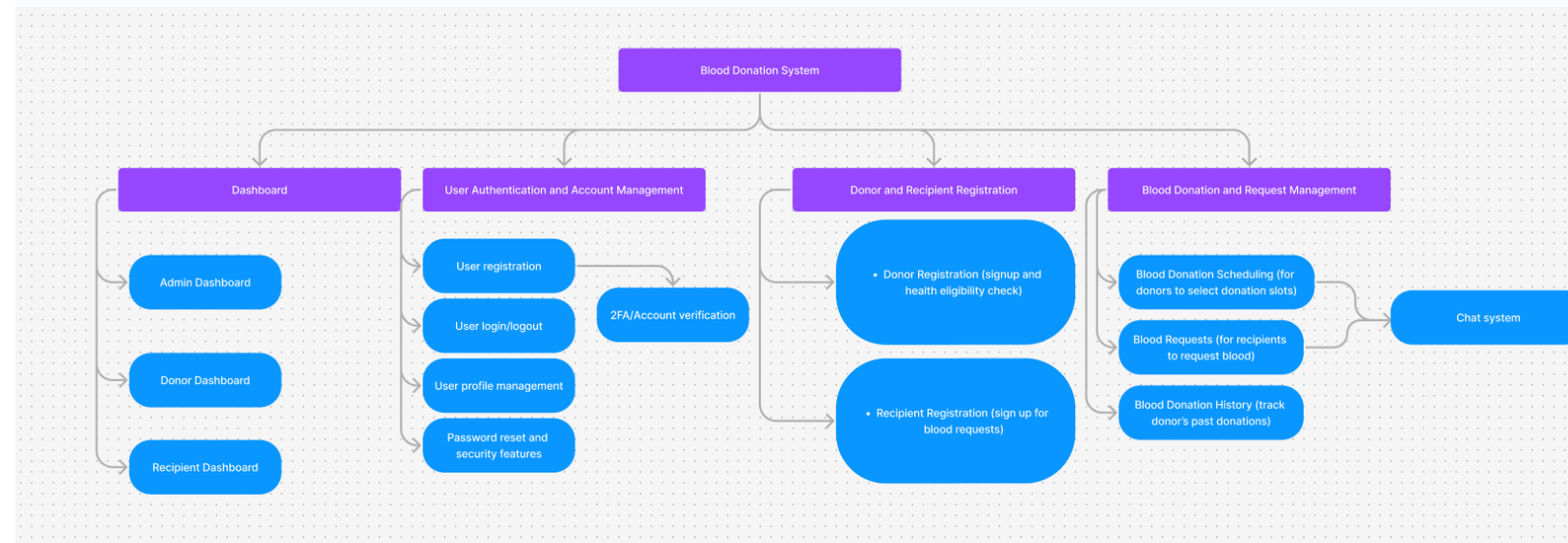
Literature Review

- Role of technology in modern healthcare.
- Volunteer motivation and donor management.
- Chat systems in health information exchange.
- Use of relational databases in health systems.

Gantt Chart

Phase	November	December	January	February	March	April
Phase 1 Planning	Nov 9-19 Define Project Scope / Nov 19-26 Gather Requirements / Nov 26-Dec 2 Create Project Plan					
Phase 2 Design		Dec 20-Jan 16 Design User Interface	Jan 16-26 Create Database Structure			
Phase 3 Development			Jan 15-March10 Develop Frontend Interface		March 10-April 15 Develop Backend Functionality	
Phase 4 Testing and Deployment						April 15-May Prepare for Deployment, Fix Bugs and Issues, Test system functionality

Functional Decompositional Diagaram

Work Breakdown Structure