

Mini Project Presentation: Blood Donation & Acceptance Management System

Slide 1: Title Slide

Blood Donation & Acceptance Management System A Mini Project in C Language B.Tech
1st Year

Slide 2: Introduction

- Blood donation is a vital process to save lives.
- Many people face difficulty finding suitable donors in emergencies.
- Traditional systems are manual, slow, and lack proper tracking.
- This project aims to create a computerized system for managing donors and receivers.

Slide 3: Purpose of the Project

- To maintain a digital record of donors and receivers.
- To remind donors about their eligibility for the next donation.
- To ensure blood availability for needy patients.
- To provide insurance and priority benefits for donors.
- To encourage more people to donate blood regularly.

Slide 4: Need for the System

- Traditional manual registers are inefficient.
- Difficult to find a donor quickly in emergencies.
- No automatic system for checking donor eligibility.
- No record of benefits provided to donors.
- This system provides fast searching, donor reminders, and priority allocation.

Slide 5: Objectives

1. Build a simple donor and receiver management program in C.
2. Provide eligibility checks before donation.
3. Match donor blood groups with receiver requests.
4. Provide insurance and reminder features.
5. Show donation statistics and records.

Slide 6: Project Scope

- Donor Registration Module.
- Receiver Request Module.
- Donation & Reminder Management.
- Insurance Benefits Tracking.
- Blood Requirement Fulfillment.
- Statistics Report.

Slide 7: How I Will Complete the Project

1. Define donor and receiver structure in C.
2. Store details in arrays or files.
3. Create menus using loops and switch-case.
4. Implement eligibility checks and reminders.
- 5.

Implement receiver-donor matching. 6. Add insurance and priority features. 7. Test with sample data.

Slide 8: Advantages Over Traditional System

- Fast searching: Instantly find matching donor.
- Automated reminders: No manual tracking needed.
- Eligibility check: Prevents unsafe donations.
- Insurance benefits: Motivates donors.
- Statistics available: Helps authorities plan blood drives.

Slide 9: Benefits to Society

- Saves precious lives by providing timely blood.
- Encourages more people to become regular donors.
- Builds trust with insurance and priority benefits.
- Promotes a culture of social responsibility.
- Helps hospitals and NGOs maintain better records.

Slide 10: Future Enhancements

- Integration with hospital databases.
- SMS/Email reminders to donors.
- Mobile app for real-time donor search.
- Advanced analytics on blood demand and supply.

Slide 11: Conclusion

- This project shows how basic C programming can solve a real-world problem.
- It improves over traditional systems with reminders, automation, and donor benefits.
- It is useful not only for students as a project but also for society at large.

Slide 12: Thank You

Questions?