Weekly Progress Reports
(Group : 6)
Annamitra

(From 15 Sept)

Week 1: (15 Sept – 21 Sept)

Summary of Tasks:

- Finalized database schema (User, Donation, NGO, Volunteer, Proof, Feedback tables).

- Set up the backend environment using Node.js and Express.

- Connected MongoDB database for initial testing.

- Defined some basic API endpoints.

Roadblocks:

- Some confusion in linking Donor–NGO–Volunteer relationships.

- Difficulty deciding which database (PostgreSQL vs MongoDB) fits better.

Upcoming Tasks:

- Finalize database choice.

- Start designing UI/UX wireframes and static pages.

Week 2: (22 Sept – 28 Sept)

Summary of Tasks:

- UI/UX team started basic wireframes (Home, About, Contact, and role-based pages).

- Created static frontend pages according to wireframes.

- Defined endpoints for these static pages.

Roadblocks:

- Difficulty finalizing layout flow for multi-role dashboards (Donor, NGO, Volunteer, Admin).

- Responsive design issues across different screen sizes and devices.

- Lack of a finalized routing structure (role-based vs global routes).

- Confusion between public and private route segregation.

Upcoming Tasks:

- Implement donation and donor-related functionality.

- Finalize required models, controllers, and helpers.

- Integrate mock frontend screens with APIs.

Week 3: (29 Sept – 5 Oct)

Summary of Tasks:

- Created donation-related model and controller.

- Added donor-related functionality.

- Implemented creation, updating, and viewing of available donations.

- Implemented donation request functionality for the NGO role.

Roadblocks:

- Faced issues managing relationships and validation between Donor, NGO, and Donation models.

- Encountered challenges handling multiple NGO requests for the same donation.

Upcoming Tasks:

- Add authentication and authorization.

- Finalize role-based access (Donor/NGO/Volunteer/Admin).

- Perform initial end-to-end backend testing.

Week 4: (6 Oct – 12 Oct)

Summary of Tasks:

- Implemented authentication (Passport local strategy-based login/signup).

- Protected URL endpoints according to user roles.

- Finalized UI for login/signup and dashboard pages.

- Started connecting the frontend with the live backend.

Roadblocks:

- Faced issues integrating Passport authentication with role-based access control.

- Encountered session handling and redirect problems during the login/signup flow.

- Faced API connection errors while linking the frontend with the live backend.

Upcoming Tasks:

- Resolve CORS and map integration issues.

- Conduct internal testing of the complete donation lifecycle.

- Start preparing test cases and a documentation draft.

Week 5: (13 Oct – 19 Oct) (Upcoming)

Planned Tasks:

- Complete UI polish and validation checks.
- Implement notification system (Firebase/SMS mock).
- Conduct user testing with dummy accounts.
- Implement additional NGO-related functionality.

Week 6: (20 Oct – 26 Oct) (Planned)

Planned Tasks:

- Perform functional and integration testing.
- Fix bugs and optimize performance.
- Finalize screenshots and video demo recording.

Week 7: (27 Oct – 2 Nov) (Planned)

Planned Tasks:

- Prepare final documentation and PPT.
- Conduct review meeting and internal presentation.
- Apply UI/UX feedback.

Week 8: (3 Nov – 20 Nov) (Final Stretch)

Planned Tasks:

- Submit final build and documentation.
- Complete presentation rehearsals.
- Final submission on **20th November 2025**.