



American International University-Bangladesh (AIUB)
Department of Computer Science Faculty of Science & Technology (FST)

PROJECT TITLE

Volunteer Coordinator System

A Software Engineering Project Submitted
By

Semester-->Fall_25-26		Section:
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1.1 Background to the Problem

Volunteer-based humanitarian activities—such as disaster response, social welfare support, relief distribution, blood donation, and community development—often rely on manual communication channels such as phone calls, messaging apps, and informal spreadsheets. These methods lead to several issues: miscommunication, duplication of tasks, difficulty tracking volunteer availability, lack of real-time updates, and limited transparency when dealing with donations or help requests. As a result, organizations often struggle to coordinate volunteers effectively during both emergency and non-emergency events.

The **Volunteer Coordinator System** aims to solve these operational challenges by creating a centralized digital platform that manages volunteers, events, help seekers, and donations in an organized and transparent manner. By digitalizing these processes, the system improves coordination, reduces response time, ensures accountability, and enhances the efficiency of community-driven efforts. The solution also supports better decision-making by providing

structured data, real-time status updates, and clear role-based access for administrators, coordinators, volunteers, and donors.

Target Group of Users

The system is designed for:

- **Volunteer Coordinators** – who plan events, assign volunteers, manage resources, and track operational progress.
- **Volunteers** – who participate in social activities, join events, and provide support during emergencies.
- **Help Seekers** – individuals requesting assistance such as food, medicine, shelter, or emergency support.
- **Organization Administrators** – responsible for monitoring activities, approving events, and ensuring operational transparency.
- **Donation Managers / Donors** – who handle or contribute monetary or material donations and require clear tracking.

This proposal can be documented and maintained in **Notion** for better collaboration, structured planning, and continuous updates throughout the Software Engineering development lifecycle.