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**Faculty of Technology and Engineering**

**Chandubhai S. Patel Institute of Technology**

**Department of Computer Science & Engineering**

Project Problem Statement for Project-III

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| Project Group ID: CSPIT/CSE/Batch Name/Group ID | | | |
| Student ID: | 22CS013 | 22CS042 |  |
| Name: | Melita Castelino | Rahul Mistry |  |
| Project Title: | Sevika – Sahyog Seva Samarpan | | |
| Domain of Project Definition: | This project falls under the domain of community and social service empowering individuals to volunteer and connect with NGOS and render their service in various fields. | | |
| Technology/Methodologies to be used in project: | **Front-end:** React Native / React.js / Next.js  **Back-end:** Node.js with Typescript / Express.js  **Database:** MongoDB  **Authentication:** Google / Phone / Email and Other Social Auth  **Real-time Communication:** WebSocket / Socket.io  **Push Notifications:** Firebase Cloud Messaging (FCM)  **Version Control:** Git **/** Github  **Code Editor:** Visual Studio Code (VSCode) **/** Android Studio  **Design Collaboration:** Figma / Adobe XD  **UI Framework:** Shadcn **/** Tailwind CSS / Material UI  State Management: Redux / Zustand  API Testing : Postman / Insomnia  Logging: Morgan / Winston  Coding Language: TypeScript / JavaScript | | |
| Project Objectives | * Providing a user-friendly app – based platform for individuals to select their field of service/volunteering. * To help the NGOs find volunteers who are ready to serve selflessly. * A platform for those who wish to sponsor or donate anything. * Volunteers with similar interest can connect and form community. * NGOs can give reviews to the volunteers and volunteers can rate the NGOs too. * NGOs can generate requests. * Profile Management System. * The volunteering tasks that are available and the volunteers required for the same. * Resource Distribution System wherein the users can donate or contribute and volunteers can distribute the resources to the needy. * Volunteer approval system where in a volunteer will first be approved if his eligible or not then only will be allowed to volunteer for a certain task | | |
| Brief Description about project: | Sevika is a user-friendly Android and IOS App for individuals who wish to volunteer on any field in their leisure time. This app connects volunteers, NGOs and individuals who are ready to serve the community selflessly. Users can select their specific field of volunteering and the app will help them to such NGOs and campaigns. This app aims to provide help to people through different acts of service like literacy volunteering & distribution of resources to the needy. We are committed to maintain Sevika as a free and accessible resource for everyone dedicated to make a positive impact. | | |
| SWOT analysis chart for the Project |  | | |
| Project Deliverables | * Functional and secure frontend and backend. * User-Friendlymobile application. * A Well Designed UI/UX which enhances user engagement. * NGO Portals and company portals. * Volunteer Task Management System. * Comprehensive feedback system for NGO and volunteers. * User Referral and Reward System. * Volunteer Approval System. * Real time chat functionality using socket.io * Multilingual Support. * Feature enhancement based on NGO feedback. | | |
| Gantt chart with Project Timeline and Team Roles |  | | |

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| **Student 1 Sign** | **Student 2 Sign** | **Student 3 Sign** |

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| Assessment Rubric to evaluate Difficulty level of Project:   |  |  | | --- | --- | | Criteria | Marks | | Scope and Complexity |  | | Technical Challenges |  | | Resource Requirements |  | | Quality level of Gantt Chart |  | | Quality level of SWOT analysis chart |  | | Innovation and Creativity |  | | Total (Out of 30) |  |   Assessment Rubric to evaluate quality of Project Problem Statement:   |  |  | | --- | --- | | Criteria | Marks | | **Clarity of Problem Statement** |  | | **Relevance to Project Objectives** |  | | **Clarity of Language and Presentation** |  | | **Overall Impression** |  | | ****Total (Out of 20)**** |  |   **Mentor’s Comments:**  **Mentor’s Sign:**  **HOD’s Sign with Comments:** |