

**MCA 5291 PROJECT WORK & PRACTICE SCHOOL**

**FUNDFLOW(CROWDFUNDING)**

Biweekly Report

*Submitted by*

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Under the guidance of

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**DEPARTMENT OF DATA SCIENCE AND COMPUTER APPLICATIONS**

**Project Details**

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| *Student Details* | | | | | | |
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| *Project Details* | | | | | | |
| **Project Title** | FundFlow (CrowdFunding) | | | | | |
| Project Duration | 4 months | Start Date | | | | 02-01-2025 |
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| *Organization Details* | | | | | | |
| **Organization Name** | Abhimo Technologies | | | | | |
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| **Sl. No.** | **Date** | **Project Activity** | **Description** | | **Comments** |
| 1 | January 2 – January 15, 2025 | Training | **Introduction& Orientation** | | * **Introduction & Orientation:** Launched the initiative with a comprehensive training period that combined theoretical learning with practical exercises. An introduction to company work ethics was provided, emphasizing a culture of quality, continuous improvement, and collaborative problem-solving. * **Foundations in Web Technologies:** Covered core topics in React, Express, and MySQL. Early hands-on coding exercises were integrated from day one, reinforcing concepts such as JSX syntax, component lifecycle, and basic query formulation. * **Distributed Learning Approach:** Training was structured to spread different technology focuses over successive weeks, ensuring a balanced and in-depth understanding of each domain.   Suggestions by the guide: |
| 2 | January 16 – January 29, 2025 | Training | Advanced Training and Workshops | | * **React Advance Concepts:** Expanded into advanced topics including React hooks (useState, useEffect), Context API for state management, and component optimization. * **Express & Backend Deep Dive:** Covered more sophisticated Express concepts such as middleware chaining, routing nuances, and implementing JWT for secure access. Backend training was bolstered by practical sessions using Postman to test and validate API endpoints. * **Database Design Principles:** Interactive sessions on relational database design were conducted. Topics included normalization, entity-relationship modeling, indexing strategies, and best practices in query optimization. |
| 3 | January 30 – February 12, 2025 | Training | Practical Application and Prototyping Exercises | | * **Hands-On Coding Sessions:** Transitioned from theory to practice with live coding sessions that simulated real-world challenges, integrating the various technologies learned. * **Rapid Prototyping:** Adopted an iterative approach to prototyping, experimenting with user interface layouts and backend interactions. * **Database Workshops:** Initiated preliminary design of database schemas, drafting entity relationship diagrams, and discussing strategies to support dynamic data flows. |
| 4 | February 13 – February 19, 2025 |  | Project Assignment & Requirements Definition | | * **Project Introduction** Introduced the FundFlow crowdfunding website prototype with a clear high-level vision. The briefing highlighted the objectives of creating a seamless and transparent fundraising platform to facilitate donations and fund distribution efficiently. * **Requirements Gathering & Strategic Planning:** Defined key functionalities, including pre-planned features such as secure payment integration, campaign management, and real-time fund tracking. The session focused on outlining core modules, initial database structures, and a   cohesive approach for simultaneous frontend and backend development   * **Website Design Work:** Started designing the website layout, focusing on a clean and user-friendly interface. * **UI/UX Planning:** Created basic wireframes and mockups to outline the structure and user experience. * **Visual Elements**: Choose colors,fonts, and design styles to ensure a consistent look |
| 5 | February 20 – March 5, 2025 |  | Prototype Development Phase I | | * **Navigation & Interactions:** Planned how users will move through the site and interact with different features. * **Finalized Database Design**: Created necessary **tables and relationships** in MySQL for:   + **Users Table** – Stores user details, authentication credentials, and profile information.   + **Campaigns Table** – Contains fundraising campaign details, goals, and status.   + **Donations Table** – Tracks donation transactions, donor details, and timestamps. |
| 6 | March 6 – March 19, 2025 |  | **Database Preparation & Structuring** | | **Frontend Development & UI Implementation (React.js)**   * **Developed All Web Pages Using React.js**:   + Homepage   + Campaign Creation Page   + Donation Page   + User Profile Page   + Dashboard for Campaign Creators |
| 7 | March 20 – April 2, 2025 |  | **Frontend Development & UI Implementation (React.js)** | | * **Component-Based Architecture**: Ensured reusable components for forms, buttons, modals, and tables. * **Integrated APIs with Frontend**: Connected React frontend with backend APIs for campaign management and user authentication. * **Styling & Responsive Design**: Used CSS and React Bootstrap for a user-friendly and mobile-responsive UI. * **Testing & Debugging:**   + Initial responsiveness testing across devices.   + Minor UI bugs identified and fixed. |
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| Signature of Student | | | | Signature of External Guide | |