**Work Done Report from January 2024 to June 2024**

**Name of the Resource:**

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| **Date** | **Tasks Performed** |
| **2024** |  |
| Jan 8 | Engaged in team interactions and participated in activities related to organizational assimilation. |
| Jan 9 | Implemented the installation of the requisite technological stack. |
| Jan 10 | Conducted a comprehensive study of the use cases delineated in the GUJ-RERA documentation. |
| Jan 11 | Initiated the process of learning JavaScript to augment the technical skill set. |
| Jan 12 | Comprehended the operational flow and discerned pivotal entities in the chosen use case. Furthermore, conducted an investigation into JavaScript features, with a specific emphasis on ES6, Events, and DOM Manipulation |
| Jan 13 | SECOND SATURDAY |
| Jan 14 | SUNDAY |
|  | Accomplished during the week:  - Cultivated an understanding of the organizational culture at NIUM.  - Participated in interactive sessions with fellow interns, the Team Leader, and colleagues.  - Attained insights into collaborative team dynamics and the creation of user-centric websites.  - Initiated the learning process for fundamental web technologies, including JS, CSS, PostgreSQL. |

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| **Date** | **Tasks Performed** |
| **2024** |  |
| Jan 15 | HOLIDAY |
| Jan 16 | Took a sick leave, duly informing Ojas sir |
| Jan 17 | Initiated the development of prototypes for RERA use cases and attended an orientation session facilitated by the CTO. |
| Jan 18 | Collaborated with Aditya to craft the Project Alteration form (Navigation bar), delving into React and React Hooks. |
| Jan 19 | Developed the form Project Details and Development Details page with assistance from Aditya, further refining the project. |
| Jan 20 | Took a sick leave, duly informing Mrs. Rajitha. |
| Jan 21 | SUNDAY |
|  | Accomplished during the week:  - Constructed a foundational prototype for GUJ-RERA's Project Alteration dashboard.  - Received training in React, React DOM, JSX, git, and React Hooks. |

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| **Date** | **Tasks Performed** |
| **2024** |  |
| Jan 22 | Leave for a project review at college, duly notifying Mrs. Rajitha mam. |
| Jan 23 | Attended College for major project, duly notifying Mrs. Rajitha mam. |
| Jan 24 | Integrated a “Add Professional” and the " Block Entry " page into the Project Alteration Dashboard. |
| Jan 25 | Added “Document upload” page into Project Alteration dashboard. |
| Jan 26 | REPUBLIC DAY |
| Jan 27 | Practiced React functionalities, and explored strategic approaches for their implementation in our project. Added “Payment Page” in the Project Alteration Dashboard |
| Jan 28 | SUNDAY |
|  | Accomplished during the week:  - Enhanced existing functionalities of the project by implementing React routing and hooks.  - Gained knowledge in Git and JavaScript promises, async/await functionalities and API calls. |

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| **Date** | **Tasks Performed** |
| **2024** |  |
| Jan 29 | Added more functionalities in Block Entry page and started working to fetching form data into console. |
| Jan 30 | Tailored and finished the Project Alteration Dashboard use-case front-end successfully. |
| Jan 31 | Attended a review meeting with Ojas sir, presented respective use-case completion and was assigned new tasks to work on backend. |
| Feb 1 | LEAVE FOR MID-EXAMS, duly informing Mrs. Rajitha , Ojas sir , Prem sir |
| Feb 2 | LEAVE FOR MID-EXAMS, duly informing Mrs. Rajitha , Ojas sir , Prem sir |
| Feb 3 | Installation and setup for PostgreSQL database , configuring essential models and schemas. |
| Feb 4 | SUNDAY |
|  | Accomplished during the week:  -Added some more functionalities in Project Alteration dashboard and completed the front-end.  -Learned about backend tools, technologies and frameworks.  -Created a database using PostgreSQL.  -Tried to integrate database with form data with Prisma Client. |

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| **Date** | **Tasks Performed** |
| **2024** |  |
| Feb 5 | Studied backend essential frameworks like Express.js and tool Prisma to facilitate data  fetching. |
| Feb 6 | Created database ,models ,schemas and tried to connect the database with form data(front-end) with assistance from seniors. |
| Feb 7 | Completed block development form data fetching through prisma by creating “inventory\_detail” model. |
| Feb 8 | Detected bugs and solved issues of database connectivity. Also merged code with Aditya . |
| Feb 9 | Had a review meeting with Ojas sir and got valuable feedback. Suggested to add one to many feature in the database. |
| Feb 10 | Referred necessary resources to do the assigned task in review meeting. |
| Feb 11 | SUNDAY |
|  | Accomplished during the week:  -Learned backend frameworks and tools.  -Completed creation of database schema and tables.  -Made a complete model for use-case “inventory\_detail” and successfully fetched data from form(front-end).  -Attended a meeting for review and did enhancement of features.  -Added relevant features In the use-case. |

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| **Date** | **Tasks Performed** |
| **2024** |  |
| Feb 12 | Created models for remaining sub use cases. |
| Feb 13 | LEAVE for Exams in college, duly informing Ms.Rajitha mam. |
| Feb 14 | Learned about various joins and models in backend to establish relation between tables. |
| Feb 15 | Made project id as primary key and passed as a foreign key to inventory details table . |
| Feb 16 | Started working on GET request for Block Entry sub use case.. |
| Feb 17 | SICK LEAVE due to infection. |
| Feb 18 | SUNDAY |
|  | Accomplished during the week:  -Created essential models for all sub use cases.  -Learned about models in backed and prisma .  -Established the required relationship between the tables project detail and inventory detail.  -Worked on GET request for Block Entry section. |

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| **Date** | **Tasks Performed** |
| **2024** |  |
| Feb 19 | Installed required dependencies for applicant console of Ts-bpass website. |
| Feb 20 | Studied the applicant console front end code to understand the functionality and flow of execution of the program. |
| Feb 21 | Explored mantine.dev which was used in the application and acquired understanding of Typescript. |
| Feb 22 | Leave for a project review at college, duly notifying Mrs. Rajitha mam, Ojas sir, Prem sir. |
| Feb 23 | Leave for a project review at college, duly notifying Mrs. Rajitha mam, Ojas sir, Prem sir. |
| Feb 24 | Added the 'logout.ts' file within the 'pages/api' directory of Next.js code . |
| Feb 25 | SUNDAY |
|  | Accomplished during the week:  - Installed required dependencies for the applicant console of the Ts-bpass website.  - Studied the front-end code of the applicant console to comprehend its functionality and execution flow.  - Explored Mantine.dev to gain understanding of TypeScript, a tool used in the application development process. |

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| **Date** | **Tasks Performed** |
| **2024** |  |
| Feb 26 | Imported given csv file in locations table of postgresql database of Ts-bpass website. |
| Feb 27 | Fetched Mandals details in SiteDetails components using district name and fetched villages using mandals name. |
| Feb 28 | Fetched Mandals details in SiteDetails components using district id and fetched villages using mandals id. |
| Feb 29 | Fixed the related bugs in the component. |
| Mar 1 | Added radio button in Plotdetails component asking “was VLTA paid”. |
| Mar 2 | Validated the VLTA number using the given API. |
| Mar 3 | SUNDAY |
|  | Accomplished during the week:  -Understood the insights of Sitedetails and Imported csv file in location table in postgresql.  -Fetched districts from backend (database) ,fetched Mandals in input mandal input using district name.  -Similarly fetched villages using mandal name.  -Fetch all details using unique Ids .  -Initiated VLTA number validation using designated API. |

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| **Date** | **Tasks Performed** |
| **2024** |  |
| Mar 4 | Explored TS-bpass website and made a list of missing fields. Distributed work among fellow interns. |
| Mar 5 | Added assigned missing features and fixed related bugs in the site details which were raised due to vlt components. |
| Mar 6 | Added features like “Site Photographs” and “Documents” file upload in the plot details sub component. |
| Mar 7 | Added missing questions and input fields. |
| Mar 8 | HOLIDAY |
| Mar 9 | SECOND SATURDAY |
| Mar 10 | SUNDAY |
|  | Accomplished during the week:  - Initiated exploration of the missing fields and details In the application TS-bpass.  -Added missing fields or features in plot details sub components.  -Added missing questions and input fields. |

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| **Date** | **Tasks Performed** |
| **2024** |  |
| Mar 11 | Understood and implemented git merging. Resolved merge conflicts, after merging different branches. |
| Mar 12 | Learned about Next js routing through documentation. |
| Mar 13 | Installed Postman API, used to test existing API’s and used it to refine test cases . |
| Mar 14 | I comprehended the backend of a Next.js codebase, facilitating my understanding of its functionality and structure. |
| Mar 15 | SICK LEAVE ,duly informing Mrs.Rajitha, Mr.Ojas sir, Mr.Prem sir |
| Mar 16 | Worked with the team to improve existing features and functionalities for implementation and upgrades. |
| Mar 17 | SUNDAY |
|  | Accomplished during the week:  - I learned and applied Git merging, resolving conflicts post-merge.  - Next.js routing was understood via documentation. Installed Postman API for testing and refining cases.  - Gained comprehension of Next.js backend structure.  - Collaborated on enhancing existing features with the team. |