**Project Title:** Online Parking Application

**Project Sponsor:** MI Enterprises Canada **Date Prepared:** 10th Nov 2022

**Project Manager:** Hemant, Nishi, Prayas, Kiran, Sai Krishna

**Project Customer:** End User

**Project Purpose or Justification:**

* The main aim of this project is to develop the online parking application for the MI Technologies. It will help the users to reserve the parking space in advance or on arrival.

**Project Description:**

* As the total number of vehicles on Canada's roads increases, the demand for better and more efficient parking solutions is also increased.
* This not only has a direct and positive impact on parking revenue but also increases pedestrian safety, reduces parking accidents, reduces parking liability, and control the emissions from reduced average parking hours.

**High-Level Requirements:**

* A design document that shows the system architecture and system design.
* Detailed user documentation describing features
* Review and understand the Software Requirement Specification, Business Requirement Document, Functional Requirement Document
* Hiring of professional UI Developers for Android, IOS & Web applications.
* Hiring of professional Backend Developers & Testers.
* Developing the source code error-free.
* Integrating Google Maps into the application.
* Focus on the setting up the Environment for Development, QA, Stagging and Production.
* Identify the Development, testing and deployments tool

**High-Level Risks:**

* Misunderstood the requirement during the requirement gathering phase
* Not Involved the Business Owners and Stakeholders from the beginning
* Not follow the BRS/SRS/FRS document while developing the application
* Not to Assume any requirement during development and testing phase
* Not follow the requirement traceability matrix during testing
* Add the requirement in middle of the project can impact on time, scope, and cost of the project
* Team Lead Developer, Tester and critical resource leave the company can cause us the high-level risk
* If we Don’t Provide the demo to the stakeholders in every sprint can cause us the high-level risk
* Deliver the project with stringent deadlines
* Completion of the Project within the stipulated time

**Scope:**

|  |  |  |
| --- | --- | --- |
| **Project Objectives** | **Success Criteria** | **Person Approving** |
| Monitor all the teams who involved to implement this parking application. | Daily tracking of performances through effective reporting system | Project Manager |
| Identify the best tool for development, testing and deployment | Based on the project cost, we should get the best economic supporting tools for development activities | Infrastructure Operation and Project Manager |
| Monitor the Development Activities | Development work completed on time without delay the timelines | Development Manager |
| Monitor the Testing Activities | No Defect Slippage from all the Environment during testing phase and application should not have major and critical defects | Testing Manager |
| Monitor the deployment Activities | Application should be deployed successfully in all the Environments | Devops Manager |
| Monitor the web and mobile application performance | Application should be up 24/7 with no down time | Performance Manager |
| Maintenance the application | Application gets the proper upgrade notification and reflecting the new changes | Maintenance team |

**Time**:

|  |  |  |
| --- | --- | --- |
| 8 Months 15 Days | 100% | MI Enterprises Canada |

**Budget**:

|  |  |  |
| --- | --- | --- |
| Estimated Budget is of $110,000 (approx.) | Utilization of all resources to complete the project before the deadline. | Hemant, Nishi, Prayas, Sai Krishna, Kiran |

|  |  |  |
| --- | --- | --- |
| **S No** | **Summary Milestone** | **Due Date** |
| **1** | **Business analysis and Planning** | **2 Months** |
|  | Identify and Understand of the SRS, BRS and FRS document |  |
|  | Create all three-requirement document |  |
|  | Review the Requirements |  |
|  | Final Approval from the Stakeholders and owners |  |
|  |  |  |
|  |  |  |
| **2** | **Design** | **2 Months** |
|  | Detailed user documentation and identifying features |  |
|  | Detailed user documentation for system architecture & system design |  |
|  | Determining the priority order of the proposed work, building a product roadmap, and obtaining stakeholder agreement on it |  |
|  |  |  |
|  |  |  |
| **3** | **Implement Phase and Development** | **3 Months** |
|  | Start development as per the features priority |  |
|  | Once the individual features are ready do the integration and end to end development |  |
|  | Unit Testing |  |
|  | Ready for Testing |  |
|  |  |  |
| **4** | **Testing** | **2 Months** |
|  | Start Designing the Testcases based on the SRS and FRS Document |  |
|  | Functional Testing |  |
|  | Integration Testing |  |
|  | End to End Testing |  |
|  | Cover all the requirements and map with the Requirement Traceability matrix |  |
|  | Defect Retest |  |
|  |  |  |
| **5** | **Deploy** | **15 Days** |
|  | Deploy in Pre-Prod and do the Smoke Testing |  |
|  | Deploy and release the software to the production environment |  |

**Budget:**

|  |  |
| --- | --- |
| **Stake Holders** | **Role** |
| Operations Head and Managers | Performance/Hiring Approval |
| Finance Head | Hiring Approval/Any financial approval |
| CFO | Site decisions/Asia Pacific Decisions |
| Asia Pacific Operations Head | Overall Site Decisions |

**Project Manager Authority level**

**Technical Decisions:**

Project Manager, Technical Architects, Business Analysts, Stakeholders, Developers, Testers

**Approvals:**

**Project Manager Name and Signature:**

|  |  |
| --- | --- |
| **Name** | **Role** |
| Hemant Gorantla | Project Manager |
| Nishi Shrivastava | Project Manager |
| Prayas Baliyan | Project Manager |
| Sai Krishna | Project Manager |
| Kiran Pathuri | Project Manager |

**Sponsor or Originator Name and Signature:**

**Date:** 10nd Nov 2022

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