# Project Planning Phase

## Milestone and Activity Plan

| Date | 6 November 2022 |
|---|---|
| Team ID | PNT2022TMID01346 |
| Project Name | Developing a Flight Delay Prediction Model using Machine Learning |
| Maximum Marks | 2 marks |

| Activity Number | Activity Name | Detailed Activity Description | Assigned To | Date |
|---|---|---|---|---|
| 1 | Prerequisites | Prerequisites are all the needs at the requirement level needed for the execution of the different phases of a project. | Monisha D Deepika E Mohana Priya B Sai Krithika R | Completed |
| 2 | Data Collection | IBM provides the dataset. It is the actual dataset used to train the model for performing various actions. In this activity let's focus on gathering the dataset. | Monisha D Deepika E | Completed |
| 3 | Data Preprocessing | Data Pre processing is a technique that is used to convert the raw data into a clean data set. | Monisha D Deepika E | Completed |

| 4 | Ideation Phase | | | |
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| 4.1 | Literature Survey & Information Gathering | Literature survey on theselected project & gathering information by referring the, technical papers, research publications etc. | Monisha D Deepika E Mohana Priya B Sai Kirthika R | 23 September 2022 |
| 4.2 | Prepare Empathy Map | Prepare Empathy Map Canvas to capture the user Pains & Gains, Prepare listof problem statements. | Monisha D Deepika E Mohana Priya B Sai Kirthika R | 30 September 2022 |
| 4.3 | Brainstorming-idea generation | List the by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance. | Monisha D Deepika E Mohana Priya B Sai Kirthika R | 14 October 2022 |
| 5 | Project Design Phase 1 | | | |
| 5.1 | Proposed Solution | Preparation of proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution. | Deepika E Sai Kirthika R | 14 October 2022 |
| 5.2 | Problem Solution Fit | Prepared problem is analyzed and make effective solutions for the problem. | Deepika E Sai Kirthika R | 14 October 2022 |

| 5.3 | Solution Architecture | Prepare an architecture for solution. | Monisha D Mohana Priya B | 14 October 2022 |
|------|------|------|------|------|
| 6 | Project Design Phase 2 | | | |
| 6.1 | Solution Requirements | Prepare the Functional Requirement and Non Functional Document. | Monisha D | 16 October 2022 |
| 6.2 | Customer Journey Map | Preparation of customer journey maps to understand the user interactions & experiences with the application (entry to exit). | Deepika E | 16 October 2022 |
| 6.3 | Data Flow Diagrams | Prepare a Data Flow Diagram for Project use level 0(Industry Standard). | Sai Krithika R | 16 October 2022 |
| 6.4 | Technology Stack | Prepare Technology Architecture of the solution. | Mohana Priya B | 16 October 2022 |
| 7 | Project Planning Phase | | | |
| 7.1 | Milestones & Tasks | Prepare Milestone & Activity List | Mohana Priya B | 6 November 2022 |
| 7.2 | Sprint Schedules | Prepare Sprint Delivery Plan | Sai Krithika  R | 6 November 2022 |

| 8 | Project Development Phase | | | |
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| 8.1 | Coding & Solutioning | Sprint-1 Delivery: Develop the Code, Test and push it to GitHub. | Monisha D Deepika E Mohana Priya B Sai Kirthika R | In Progress |
| 8.2 | Acceptance Testing | Sprint-2 Delivery: Develop the Code, Test and push it to GitHub. Sprint-3 Delivery: Develop the Code, Test and push it to GitHub. | Monisha D Deepika E Mohana Priya B Sai Kirthika R | In Progress |
| 8.3 | Performance Testing | Sprint-4 Delivery: Develop the Code, Test and push it to GitHub. | Monisha D Deepika E Mohana Priya B Sai Kirthika R | In Progress |