

**PROJECT PLANNING PHASE**  
**MILESTONE & ACTIVITY LIST**

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|---------------|---|
| Date          | 05 November 2022  |
| Team ID       | PNT2022TMID12801  |
| Project Name  | Developing a Flight Delay Prediction Model using Machine Learning |
| Maximum Marks | 8 Marks   |

| S.NO | MILESTONE             | DESCRIPTION   | DURATION | WORKING STATUS |
|------|-----------------------|---|----------|----------------|
| 1    | Prerequisites         | Prerequisites are all the requirements at the requirement level necessary for carrying out the various project phases.  | 1 week   | Completed      |
| 2    | Data Collection       | IBM provides the Dataset. It is the real dataset that was used to train the model to carry out different tasks and to concentrate on assembling the dataset in this task.   | 1 week   | Completed      |
| 3    | Data Pre-processing   | Data preprocessing is a method for transforming raw data into clean data sets.  | 3 weeks  | Completed      |
| 4    | Ideation phase        | The act of generating ideas and solutions through activities such as sketching, prototyping, brainstorming, writing in the head, coming up with the worst-case scenario, and a variety of other ideation approaches is known as ideation. | 1 week   | Completed      |
| 5    | Project design phases | Project design is the initial stage of a project where the  | 1 week   | Completed      |

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|---|---------------------------|--|--------|------------|
|   |                           | main characteristics, structure, success factors, and primary deliverables are planned out. The objective is to create one or more designs that can be applied to achieve the intended project objectives.   |        |            |
| 6 | Train the model on IBM    | The first phase in machine learning is model training, which produces a functioning model that can subsequently be validated, tested, and implemented.   | 1 week | In process |
| 7 | Project planning phase    | The project manager collaborates with the team to develop the technical design, task list, resource plan, communications plan, budget, and initial schedule for the project during the planning phase. The project manager also establishes the roles and responsibilities of the project team and its stakeholders. | 1 week | In process |
| 8 | Project Development Phase | The process of planning and allocating resources to fully develop a project or product from concept to go-live is known as project development.  | 1 week | In process |
| 9 | Application Building      | Unlike software programs that operate locally and natively on the operating system (OS) of the device, web applications (or web apps) are application software that run on a web browser.  | 1 week | In process |