**Phase-I**

**Proposed Solution**

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| Date | 28 September 2022 |
| Team ID | PNT2022TMID15779 |
| Team Members | Notam Kedari  Moneekha G  Nithya Sree P B  Peddamallu Sai Divya |
| Project Name | Developing A Flight Delay Prediction Model  Using Machine Learning |
| Maximum Marks | 2 Marks |

**Proposed Solution:**

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| **S. No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | To develop a Flight delay prediction model using machine Learning. |
| 2. | Idea / Solution description | We use deep neural network and compare decision tree classifier with logistic regression. |
| 3. | Novelty / Uniqueness | Notify users about the delay of more than 10 minutes via a notification through the application developed. |
| 4. | Social Impact / Customer Satisfaction | optimize flight operations and minimize delays. |
| 5. | Business Model (Revenue Model) | **With the proposed model**:  Identify delay and schedule our plans accordingly and know about air traffic.  **without the proposed model**: flight delays lead to large economic and environmental losses. |
| 6. | Scalability of the Solution | The proposed solution can be used to identify delays based on the air traffic. |