

# Project Report Template

## **1 INTRODUCTION**

### 1.1 Overview

A brief description about your project

### 1.2 Purpose

The use of this project. What can be achieved using this.

## **2 Problem Definition & Design Thinking**

### 2.1 Empathy Map

Paste the empathy map screenshot

### 2.2 Ideation & Brainstorming Map

Paste the Ideation & brainstorming map screenshot

## **3 RESULT**

Final findings (Output) of the project along with screenshots.

## **4 ADVANTAGES & DISADVANTAGES**

List of advantages and disadvantages of the proposed solution

## **5 APPLICATIONS**

The areas where this solution can be applied

## **6 CONCLUSION**

Conclusion summarizing the entire work and findings.

## **7 FUTURE SCOPE**

Enhancements that can be made in the future.

## **8 APPENDIX**

### A. Source Code

Attach the code for the solution built.

# flight price prediction

## OVERVIEW

A Flight price prediction application which predicts fares of flight for a particular date based on various parameters like Source, Destination, Stops & Airline.

## PURPOSE

This model helps its users by advising them whether to buy tickets or wait for a suitable time to get the optimal deal. It uses data mining techniques like Rule Learning, Reinforcement Learning, time-series methods, and their combinations to achieve greater accuracy in predicting the fare of flights.

## ADVANTAGES AND DISADVANTAGES

It is very helpful in determining the tickets of flight booking for users  
removing the unwanted things useful in price prediction

## CONCLUSION

Machine Learning algorithms are applied on the dataset to predict the dynamic fare of flights. This gives the predicted values of flight fare to get a flight ticket at minimum cost. Data is collected from the websites which sell the flight tickets so only limited information can be accessed. The values of R-squared obtained from the algorithm give the accuracy of the model. In the future, if more data could be accessed such as the current availability of seats, the predicted results will be more accurate. Finally, we have created the entire process of predicting an airline ticket and given a proof of our predictions based on the previous trends with our prediction.