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| **MINI PROJECT-II/INTERSHIP-II** | | |
| **Project Batch No : 77** | | |
| Domain of the Project | Machine Learning. | |
| Title of the Project | Flight fare prediction using machine learning. | |
| Year/Sem | IV/I | |
| Name of the Guide&  Designation | Dr . G. Ravi Kumar  (Associate Professor) | |
| Date of Submission | 15 June 2024 | |
| **Roll Number** | **Name of the Student** | **Phone Number** |
| 21H51A05P4 | A. Sai Sathwik Reddy | 9948730731 |
| 21H51A05P5 | Ajay .A | 9392404440 |
| 21H51A05P6 | B. Dali Himasri | 8096309345 |

**ABSTRACT**

As we know that aviation travel is the fastest means of travel among others which is costly, but it keeps on increasing everyday. Flight fare prediction is a critical aspect of travel planning .

To overcome this problem "Flight Fare Prediction" project aims to develop an advanced predictive model leveraging machine learning algorithms (Random Forest, Linear Regression, K-Nearest Neighbours, Decision Tree) to estimate and forecast airfare prices accurately. The unpredictable and dynamic nature of flight ticket pricing poses a significant challenge for travellers in planning and budgeting for their trips. The study initiates by meticulously examining the myriad factors impacting flight fares, encompassing departure and arrival locations, booking timings, seasonal variations, airline preferences, and historical pricing trends. Through meticulous data collection and preprocessing, pertinent features are identified and subjected to a thorough analysis to discern their influence on ticket prices.

Guide Signature Project Coordinator  **HOD-CSE**