NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2023-2024

BATCH NUMBER	BG3
TEAM MEMBERS	Yakkali Hemasri(20471A05C7) Akkisetty Sowmya(20471A0568) P.V.Geethika(20471A05A6)
GUIDE	Ch Rajani
TITLE	A Prediction Of Flight Fare Using Random Forest Algorithm
DOMAIN/TECHNOLOGY	MACHINE LEARNING
BASE PAPER LINK	https://ieeexplore.ieee.org/document/9716563
DATASET LINK	https://in.docworkspace.com/d/sIBK6ye2gAaq7rKoG?sa=00&st=0t
SOFTWARE REQUIREMENTS	Browser: Any latest browser like Chrome Operating System: Windows 10, 64 bit OS Coding Language: Python Python Distribution: Anaconda, Flask
HARDWARE REQUIREMENTS	Processor: Intel®Core™I7-7500UCPU@ 2.70GH Hard Disk: 1TB minimum RAM: 12 GB Cache Memory: 4 MB

ABSTRACT	The globe is full of transportation networks. primarily buses, trains, airplanes, etc. In addition to using the train system, some people also travel by bus and airplane. Generally speaking, ticket prices for airline travel are higher than for other modes of transportation. We can easily move from one place to another because of the journey distance, which makes them more expensive. Also, as a result of ignorance, most people spend more money and are unaware of when prices are high and low. Thus, we are able to forecast the flight cost in our project and determine when it is high and when it is low. Here, we may use the Random Forest machine learning technique to forecast the flight cost by taking into account the origin, destination, departure and arrival times, number of stops, airlines, and other factors. Using the Random Forest Algorithm, we can use this information to estimate flight fares and inform clients of either high or cheap ticket prices. High performance accuracy was demonstrated by our research in Random forest,the obtained accuracy is 82.82%.