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**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, RAMAPURAM**

**FLIGHT DELAY PREDICTION**

A MINOR PROJECT REPORT

SUBMITTED BY

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**ABSTRACT**

Main goal of this project is to predict airline delays caused by various factors. It leads to negative impacts, mainly economical for airline industries and airport authorities. Hence, these factors shows how necessary its to predict the delays these days.

This prediction will be helpful for giving a detailed analysis of the performance of individual airline and airports and then making a well assessed decision. More over apart from the assessment related to the passenger, delay prediction analysis will also help in important decision-making procedures necessary for every pivotal player in the air transportation system

**INTRODUCTON**

In these days many of the people’s choose to travel by air and it cause the amount of flights that fail to take off on time also increases. This growth will increase the crowded situation at airports and causes major difficulties in the airline industry. Every year approximately 20% of airline flights are cancelled or delayed, costing passengers more than 20 billion dollars in money and their time.

According to the reprot by the Total Delay Impact Study, the total cost of air transportation delay to air travelers and the airline industry in 2008 was $32.9 billion in the US, resulting in a $3 billion reduction . Hence, predicting flight delays can cause major failure operations.

Main goal of this prediction is to compare the performance of machine learning using algorithms to predict the delayed flights.