# PREDICTIVE ANALYTICS MODELING

A Large Australian Airlines

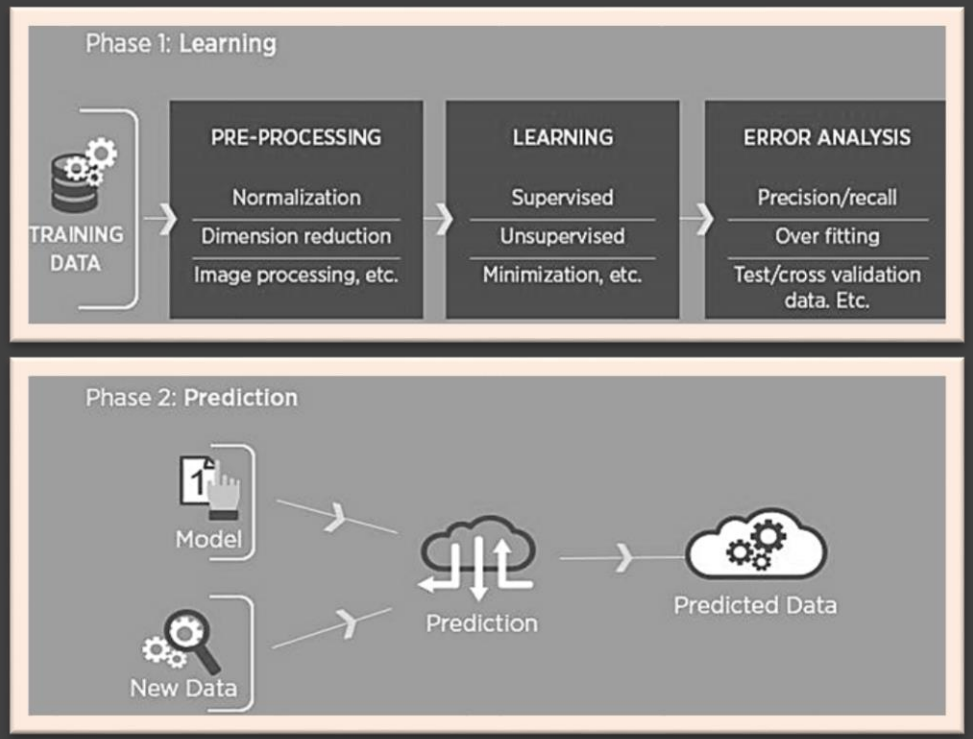
## THE CLIENT PROBLEM STATEMENT

Client wanted to test and build an innovative proof of concept to see how machine learning and analytics can help to predict crew absenteeism for better disruption management

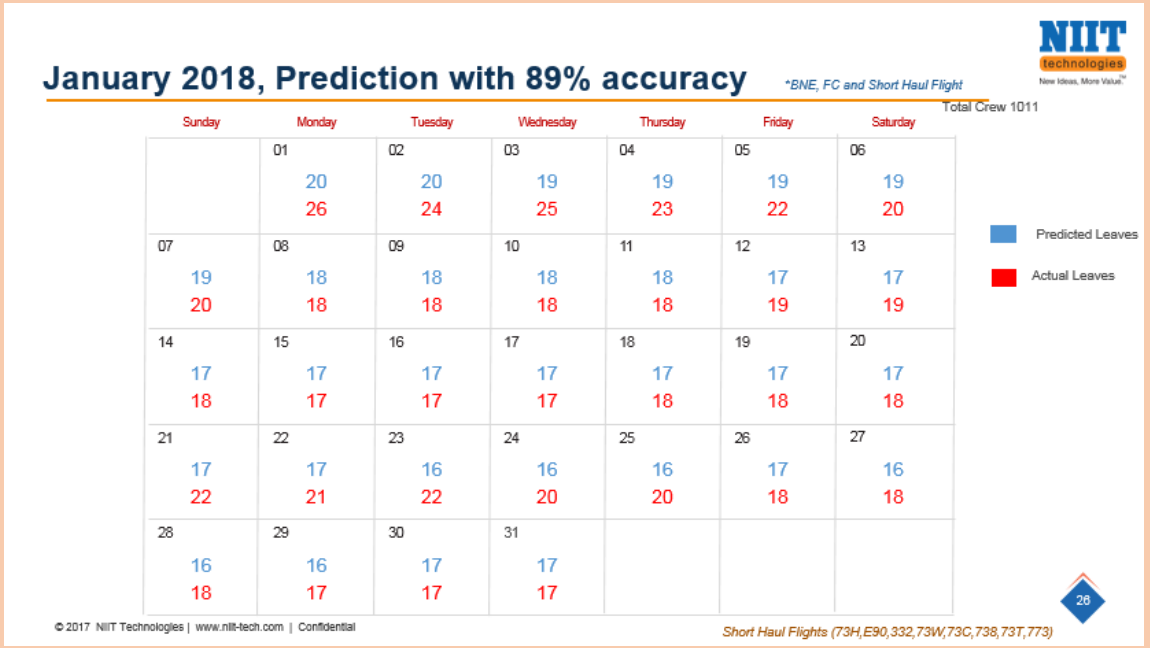

NIIT technologies

# SOLUTION

- It is the machine learning based approach for predicting the absence of crew before the roster planning exercise by leveraging several internal and external parameters such as age, holiday, weather, historical leave patterns, fly duty details etc.




# CREW LEAVES PREDICTION




# BUSINESS OUTCOME

- Better management of disruptions resulting from crew absence
- Improved roster utilization and efficiency
- Improved customer experience and operational efficiency