

# IndiGo Cancellation Crisis – Project Kickoff Meeting

## Date

Jan 3, 2026

## Participants

- @Radhika Shukla
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## Goals

Build an end-to-end analytics system to analyze the IndiGo cancellation crisis by integrating PostgreSQL data with Power BI dashboards and designing business KPIs to measure disruption impact, recovery behavior, and operational stability.

## Background

In early 2022–2023, IndiGo experienced multiple large-scale flight disruptions due to operational constraints. This project uses aviation traffic, route concentration, cargo movement, and revenue proxies to identify cancellation patterns and quantify the severity and recovery phases of the crisis.

## Discussion topics

Time	Topic	Presenter	Notes
10 mins	Data ingestion from PostgreSQL	@Radhika Shukla	Created airline, city & revenue datasets and integrated them into Power BI
10 mins	KPI Framework	@Radhika Shukla	Defined Sensitivity Index, Recovery Strength, Crisis Severity, Operational Stability

10 mins	Dashboard Walkthrough	@Radhika Shukla	Demonstrated crisis timeline, route concentration & performance KPIs
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## ✓ Action items

- ✓ Setup PostgreSQL aviation tables – @Radhika Shukla
- ✓ Build Power BI crisis dashboard – @Radhika Shukla
- ✓ Fix month duplication in Power BI model – @Radhika Shukla
- ✓ Add advanced crisis KPIs – @Radhika Shukla
- ✓ Publish documentation – @Radhika Shukla

## 📌 Decisions

- PostgreSQL selected as the backend warehouse.
- Power BI chosen for visualization due to strong DAX & modeling support.
- Monthly granularity finalized to analyze crisis phases.

## Risks & Mitigations

Risk	Impact	Mitigation
Duplicate month values inflating KPIs	High	Resolved using Power BI data model fixes
Inconsistent airline naming	Medium	Cleaned using text filters in Power BI
Data sparsity in cargo metrics	Low	Focus shifted to passenger & load factor KPIs

## 📁 Related info

- Jira Project: **IndiGo Crisis Intelligence**
- Power BI File: *IndiGo\_Crisis\_Dashboard.pbix*
- Dataset: IndiGo cancellations & passenger trends (Jan 2022 – Dec 2023)