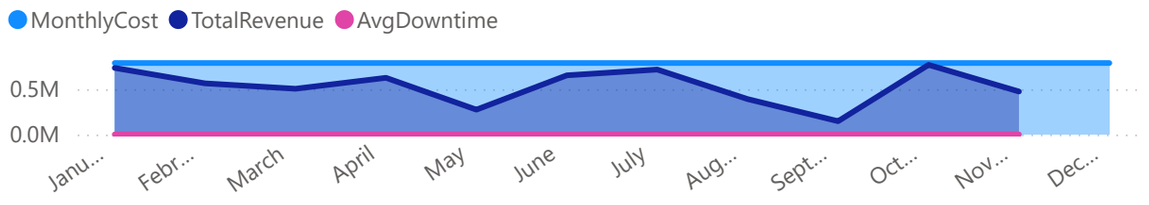
ITS'DEMO

Marketing & Operations Analytics Dashboard

Total Maintenance Cost	Total Revenue	Cost-to-Revenue Ratio	Fuel per Passenger	Revenue Loss	Average Downtime
₹ 0.79M	₹ 5.85M	₹ 0.13	18.53	₹ 4.95M	19.42

Monthly Trend



Aircraft

- Select all
- A320
- A330
- B777
- B787

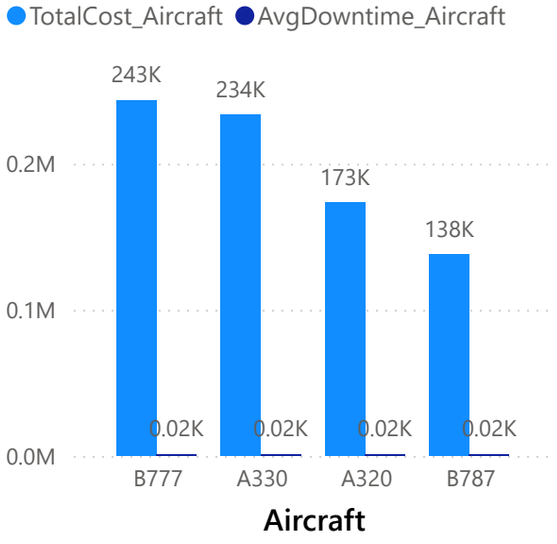
Month

01-01-2025 — 01-11-2025

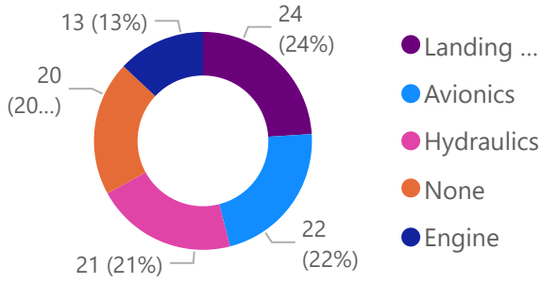
IssueType

- Select all
- Avionics
- Engine
- Hydraulics
- Landing Gear
- None

Aircraft Comparison



IssueCount by IssueType



FlightID	IssueType	Aircraft	Sum of Cost	Sum of Revenue	Sum of DowntimeHours
FL001	Landing Gear	A320	8222	50960	41
FL002	Engine	B787	3982	38084	8
FL003	None	A330	0	74351	0
FL004	None	A330	0	20690	0
FL005	Landing Gear	A330	13237	21554	22
FL006	None	A330	0	20468	0
FL007	Avionics	B787	19818	70807	45
FL008	Avionics	B777	12133	73082	43
FL009	Engine	A320	9919	62132	19
FL010	Hydraulics	A330	1672	86245	2
FL011	Avionics	B787	9622	40076	28
FL012	Avionics	A330	12031	58158	24
FL013	Hydraulics	B777	8417	37726	3
FL014	Avionics	A320	11581	81907	22
Total			**788052**	**5846777**	**1942**

Insights

- B777 shows the highest maintenance cost and downtime.
- March and July have peak downtime, indicating possible seasonal strain.
- Issue Type “Mechanical” appears most frequently and contributes to highest cost.
- Revenue loss is significantly impacted by total downtime hours.
- Fuel efficiency varies across aircraft, indicating potential optimization areas.

Recommendations

- Prioritize preventive maintenance for B777 to reduce cost.
- Investigate mechanical issues for root cause elimination.
- Balance aircraft scheduling during high-downtime months.
- Implement continuous monitoring to reduce revenue loss due to downtime.