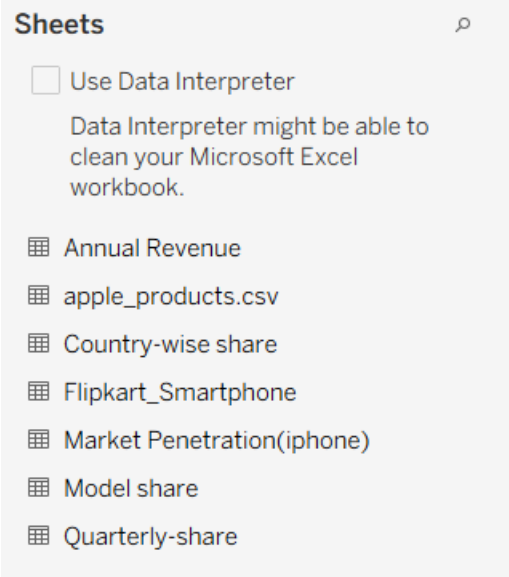# Project Development Phase
Performance Test

Date	17 February 2026
Team ID	LTVIP2026TMIDS82607
Project Name	iRevolution - Apple's iPhone Impact in India
Maximum Marks	5 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	7 datasets rendered: • apple_products.csv (62 rows × 7 cols) • Flipkart_Smartphone.csv (836 rows × 16 cols) • Annual_Revenue.csv (17 rows) • Market_Penetrationiphone.csv (15 rows) • Country-wise_share.csv (8+ rows) • Quarterly-share.csv (20+ rows) • Model_share.csv (5 rows) Sheets ☐ Use Data Interpreter Data Interpreter might be able to clean your Microsoft Excel workbook. ⊞ Annual Revenue ⊞ apple_products.csv ⊞ Country-wise share ⊞ Flipkart_Smartphone ⊞ Market Penetration(iphone) ⊞ Model share ⊞ Quarterly-share
2.	Data Preprocessing	• Column names stripped of whitespace • Empty rows removed (dropna) • Sheet names normalized (spaces→underscores) • NaN values filled for API responses • CSV export with clean formatting

3.	Utilization of Filters	Filters used in Tableau: • Region filter (country-wise) • Time period filter (year/quarter) • Product category filter • Brand filter (Apple vs competitors) • Model filter (iPhone variants)
4.	Calculation fields Used	• Average Sale Price: AVG([Sale Price]) • Average Star Rating: AVG([Star Rating]) • Revenue Growth: WINDOW_SUM() • Market Share %: SUM([Units])/TOTAL(SUM([Units])) • Discount %: ([Mrp]-[Sale Price])/[Mrp]*100
5.	Dashboard design	No of Visualizations / Graphs: 9 1. KPI Cards (Product count, Avg price, Rating, Revenue) 2. Battery Type Bar Chart 3. Brand-Price Treemap 4. Model-Wise Bubble Chart 5. Country-Wise Lined Bar Chart 6. Quarterly Share Pie Chart 7. Annual Revenue Line Chart 8. Global Market Choropleth Map 9. Product Specification Table-
6	Story Design	No of Visualizations / Graphs: 5 scenes 1. Market Entry & Penetration 2. Sales Trends & Revenue Growth 3. User Demographics & Preferences 4. Competitive Landscape 5. Cultural & Social Media Impact