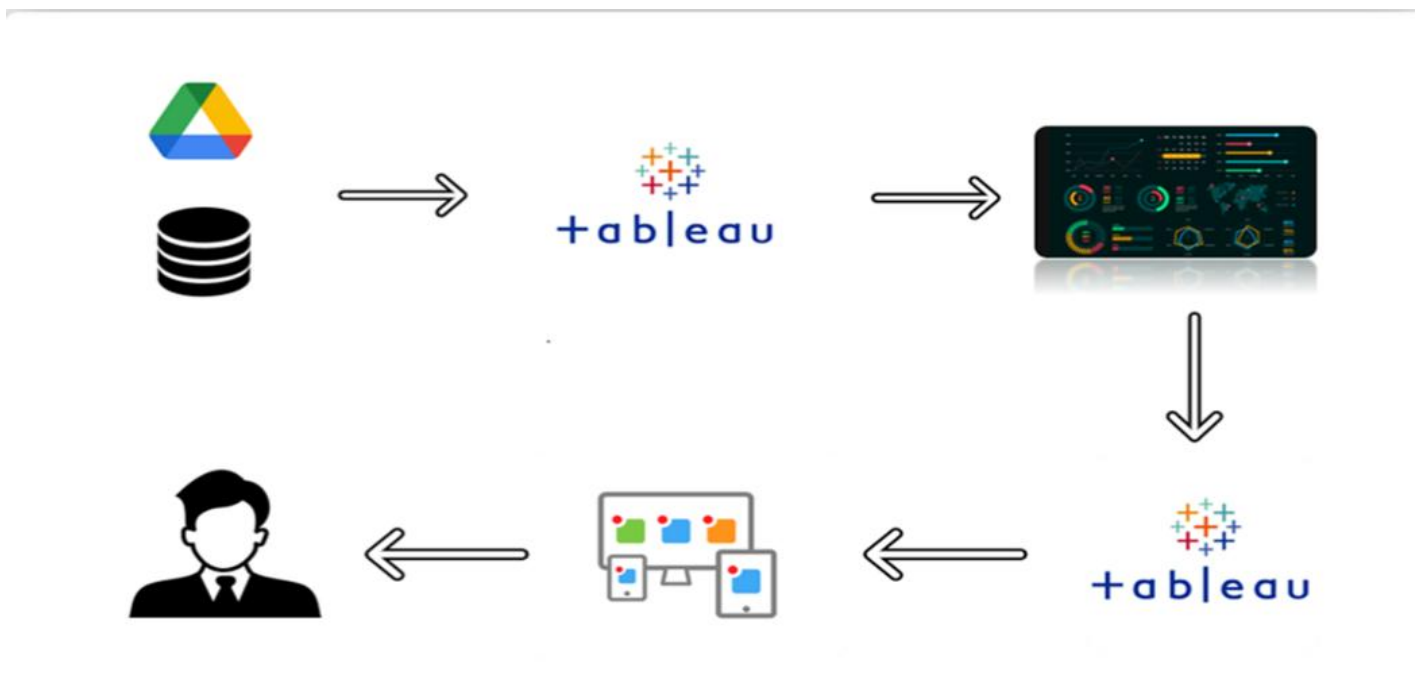


**Project Design Phase-II**  
**Technology Stack (Architecture & Stack)**

Date	22 July 2025
Team ID	PNT2025TMID10592
Project Name	I Revolution: A Data-driven Exploration of Apple's iPhone Impact in India
Maximum Marks	4 Marks

**Technical Architecture:**



**Table-1 : Components & Technologies:**

S.No	Component	Description	Technology
1.	User Interface	Website interface with dashboards and comparison tools	HTML, CSS, JavaScript, Bootstrap
2.	Application Logic-1	Data cleaning, preprocessing, and logic building	Tableau Prep Builder, Tableau Public
3.	Application Logic-2	Business logic for comparing iPhone & other brands	Excel Formulas
4.	Application Logic-3	Connecting Tableau dashboards to cleaned data	Table Public 2025.2
5.	Database	structured data storage	MySQL
6.	File Storage	Storing project dataset files	Local Filesystem
7.	Machine Learning Model	Predict iPhone demand/price trend	Future Scope
8.	Infrastructure	Hosting Tableau dashboards + static site	Tableau Public + GitHub Pages

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Tableau Public, Bootstrap for UI	Tableau Public, Bootstrap
2.	Security Implementations	No sensitive data; publicly accessible dashboards	Not Required
3.	Scalable Architecture	Easily extendable with more data/models later	Modular CSV + Tableau dashboard setup
4.	Availability	Hosted via Tableau Public (cloud availability)	Tableau Public (Free Cloud Hosting)
5.	Performance	Optimized visuals, filtered views in Tableau	<b>Tableau Filters, Extracts</b>

