

TEAM TOPIC – Smartphone Usage and App Trends Project

Team Members

Pintu Singh (230105)

Samyak Mittal (230091)

Suyash Parmar (230057)

Team Roles

Samyak Mittal (230091)

Lead for Data Cleaning, EDA, and Visualization

Responsibilities:

- Handle missing and outlier data
- Perform Exploratory Data Analysis (EDA)
- Create static and interactive plots (Plotly/Streamlit)
- Implement category-wise and type-wise top 5 app visualizations
- Prepare visual summaries for the final report and presentation

Leadership Rotation: Week 2

Pintu Singh (230105)

Lead for Predictive Analysis and Model Development

Responsibilities:

- Perform feature engineering (encoding categories, converting installs, etc.)
- Build predictive models (Linear Regression, Random Forest, etc.)
- Predict number of installs based on features such as rating, reviews, type, price, and category
- Evaluate model performance using R^2 , RMSE, and other metrics
- Document methodology and model pipeline clearly

Leadership Rotation: Week 1

Takes charge of the Machine Learning and prediction work

Suyash Parmar (230057)

Lead for Documentation, Literature Review, and Hypothesis Formulation

Responsibilities:

- Write the final project report and maintain TEAM_PLAN.txt
- Prepare research questions and formulate hypotheses
- Conduct literature review on smartphone usage and app trends
- Summarize EDA and predictive findings into insights
- Coordinate GitHub commits and presentation preparation

Leadership Rotation: Week 3