## Project Report

## Mobile Phone Price Analysis

Introduction:

This project aimed to analyse the relationship between various mobile phone features and their price ranges. The dataset used consisted of entires each representing a unique mobile phone model with features such as battery power, RAM, processor speed, screen size, and more.

Objectives:

1. Identify the most correlated features with price range.
2. Visualize the relationship between features and price range.
3. Provide insights for future mobile phone pricing strategies

Methodology:

1. Install and Import.
2. Load the data.
3. Describe the data.
4. Cleaning the data for missing and nullvalues.
5. Visualization using bar plots, count plots, and scatter plots.

Key Findings:

1. The highest correlated features with price ranges.
2. 3G capability has a significant impact on price range.
3. Bluetooth support is more common in higher priced devices.
4. Screen size and resolution are strongly correlated with price range.

Conclulsion:

This analysis provides valuable insights into the relationships between mobile phone features and price ranges. The findings can inform pricing strategies for mobile phone manufactures and help consumers make informed purchasing decisions.