Technovia - Internship Overview

For the one-month internship, the goal is to independently analyze a comprehensive dataset from E-Auto Rickshaw Feeder focusing on data from selected vehicles over a selected period from ITMS powered by OneDi, encompassing vehicle location data, trip details, fare collection, and modes of payment.

1. The first week involves familiarization with the dataset, understanding its structure, and performing initial exploratory data analysis to identify patterns and anomalies. This includes data cleaning and preprocessing to ensure the dataset is ready for detailed analysis.

2. During the second and third weeks, the focus shifts to a more in-depth analysis of various aspects such as trip patterns, fare trends, passenger behavior, and operational efficiency. This includes identifying peak hours, analyzing average trip distances and durations, and studying fare collection methods and preferences. The analysis will also cover high-demand periods, underutilized autos, common routes, and travel times, providing insights into both the financial and operational facets of the transit system.

3. In the final week, the findings will be compiled into a comprehensive report and visualizations created to effectively communicate the insights. A presentation will be prepared and delivered, highlighting key findings and recommendations to the company.

Expected Outcomes

• Enhanced Analytical and Presentation Skills: Development of the ability to analyze complex datasets and present findings effectively.

• Actionable Insights for Technovia: Valuable insights and recommendations to improve the planning and operations of the ITMS product.