Project 8: Public Transportation Analysis

Phase 1: Problem Definition and Design Thinking

In this part you will need to understand the problem statement and create a document on what have you understood and how will you proceed ahead with solving the problem. Please think on a design and present in form of a document.

Project Definition: The project involves analyzing public transportation data to assess service efficiency, on time performance, and passenger feedback. The objective is to provide insights that support transportation improvement initiatives and enhance the overall public transportation experience. This project includes defining analysis objectives, collecting transportation data, designing relevant visualizations in IBM Cognos, and using code for data analysis.

Design Thinking:

1. Analysis Objectives: Define specific objectives for analyzing public transportation data, such as assessing on-time performance, passenger satisfaction, and service efficiency.

2. Data Collection: Identify the sources and methods for collecting transportation data, including schedules, real-time updates, and passenger feedback.

3. Visualization Strategy: Plan how to visualize the insights using IBM Cognos to create informative dashboards and reports.

4. Code Integration: Decide which aspects of the analysis can be enhanced using code, such as data cleaning, transformation, and statistical analysis.

Dataset Link: https://www.kaggle.com/datasets/rednivrug/unisys?select=20140711.CSV

Assignment Notebook Submission

Note:

File Naming Convention: **DAC_Phase1**

After completion upload your file to your private GitHub account. Please give access to your faculty evaluators of your college and industry evaluator [IndustryEvaluator@skillup.online] to your private GitHub repository for evaluation process

Go to the Project Submission Part 1 section and add your college code, the link of your GitHub in the space provided, upload your documents, and click on submit.