**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 website traffic data to gain insights into user behavior, popular pages, and traffic sources. The goal is to help website owners enhance the user experience by understanding how visitors interact with the site. This project encompasses defining the analysis objectives, collecting website traffic data, using IBM Cognos for data visualization, and integrating Python code for advanced analysis.

**Design Thinking:**

1. Analysis Objectives: Define the key insights you want to extract from the website traffic data, such as identifying popular pages, traffic trends, and user engagement metrics.
2. Data Collection: Determine the data sources and methods for collecting website traffic data, including page views, unique visitors, referral sources, and more.
3. Visualization: Plan how to visualize the insights using IBM Cognos to create meaningful dashboards and reports.
4. Python Integration: Consider incorporating machine learning models to predict future traffic trends or user behavior patterns.

**Dataset Link:**[**https://www.kaggle.com/datasets/bobnau/daily-website-visitors**](https://www.kaggle.com/datasets/bobnau/daily-website-visitors)

**Assignment Notebook Submission**

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](mailto: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.