

## Project Design Phase - II

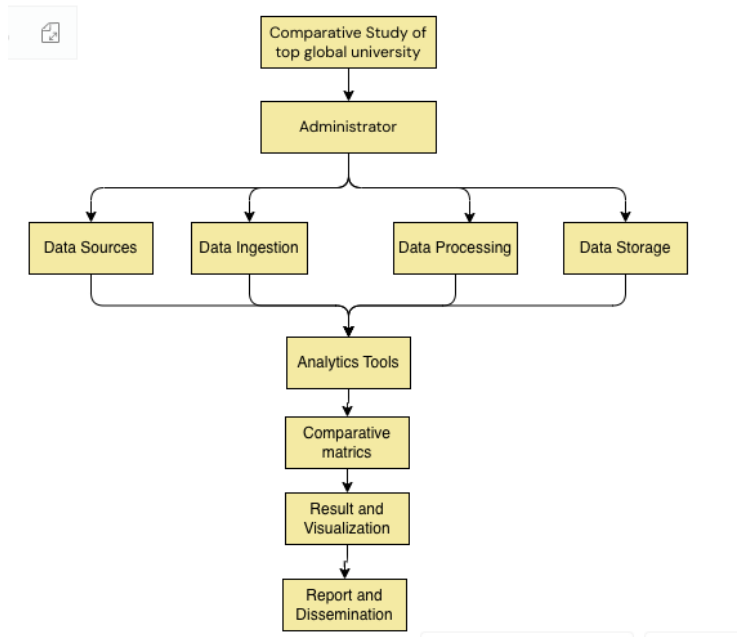
### Data Flow Diagram & User Stories

Date	22 October 2023
Team ID	NM2023TMID07074
Project Name	Project: DATA DOMINATORS: A COMPARATIVE STUDY OF TOP GLOBAL UNIVERSITIES IN DATA ANALYTICS
Maximum Marks	4 Marks

#### Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

#### DataFlow Diagram:



## User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Data Analyst	-Data Collection -Data Preprocessing	USN-1	Gather relevant data from multiple sources, including university websites, publications, and databases. Extract data in various formats, such as text, tables, or images. Cleanse and preprocess data to ensure its quality and consistency. Handle missing data and outliers appropriately. Work with databases to store and retrieve data efficiently. SQL skills may be required for data retrieval and manipulation.	Define a clear and transparent method for selecting the universities to be included in the study. This could be based on rankings, reputation, or other relevant criteria. Clearly define the methods and statistical techniques that will be used to process and analyze the data. This could include regression analysis, factor analysis, or other statistical approaches.	High	
Researcher	-Research Objective -Literature Review Data Collection	USN-2	Clearly define the research questions or hypotheses that the study aims to address. These questions will guide the entire research process. Conduct a comprehensive literature review to understand the existing knowledge and research in the field of data analytics and university rankings. Identify and collect relevant data, including information about universities, data analytics programs, faculty, research		Medium	

			output, student demographics, funding, and other pertinent variables.			
Project Manager	User Authentication and Profile Management User Management Project Oversight Risk Management Review and Approval	USN-3	The Project Manager holds a vital role in maintaining the quality of comparative study reports by reviewing and approving reports generated by Data Analysts. Additionally, they are responsible for actively monitoring project progress and employing effective risk management strategies to ensure project success.	The Project Manager should diligently review comparative study reports, providing constructive feedback and approving them only when they meet project quality standards. Simultaneously, they must actively identify potential risks, establish effective risk mitigation strategies, and monitor project progress to ensure risks are addressed.	High	
Student	User Profile and Access Course Enrollment and Registration	USN-4	As a student, I want a seamless experience where I can efficiently manage my user profile, providing my personal and academic details, and securely access academic resources. Additionally, I need the capability to easily browse, access course information, and enroll in classes, with the flexibility to modify my course selections, enabling a personalized and hassle-free academic journey.	The system should allow students to securely log in to their user profiles, ensuring that their personal and academic information remains protected. Additionally, students should be able to easily select and enroll in courses, with the flexibility to add, drop, or modify their course selections, providing a seamless and secure registration process.	Medium	