Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	12.10.2023
Team ID	NM2023TMIB06062
Project Name	Project - Data Dominators; Comparitive Study Of Top Global Universities In Data Analytics.
Maximum Marks	4 Marks

Technical Architecture:

The structure and components of the system, including how data flows, how various software and hardware components interact, and how users access and interact with the application.

Order processing during pandemics for offline mode

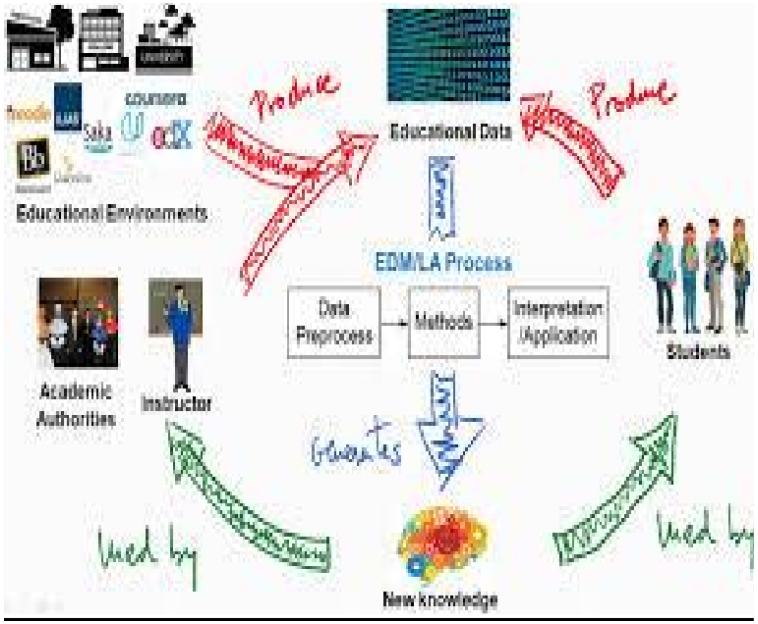

Table: Components & Technologies:

S.No	Component	Description	Technology
1.	**User Interface**	It would involve designing a website or application that provides easy access to relevant information and allows users to interact with and compare different universities.	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Application Logic-1	Website or application that facilitates easy access to information and university comparisons in the context of the "Data Dominators" project.	Java / Python
3.	Application Logic-2	"Data Dominators" website or application, focusing on user-friendly access to information and facilitating university comparisons	IBM Watson STT service
4.	Application Logic-3	The Comparative Study of Top Global Universities in Data Analytics" project involves designing a website or application that is both user-friendly and informative	IBM Watson Assistant
5.	Database	Top Global Universities in Data Analytics" project, you'll need a structured and efficient database that can store information about universities, rankings, programs, faculty, student reviews, and user profiles.	MySQL, NoSQL, etc.
6.	Cloud Database	Top Global Universities in Data Analytics" project offers flexibility, scalability, and accessibility. Amazon Web Services (AWS), Google Cloud Platform (GCP), and Microsoft Azure are popular cloud providers that offer database services	IBM DB2, IBM Cloudant etc.
7.	File Storage	Utilize cloud-based file storage solutions for reliability, scalability, and accessibility. Popular cloud providers like Amazon Web Services (AWS), Google Cloud Platform (GCP), and Microsoft Azure offer such services	IBM Block Storage or Other Storage Service or Local Filesystem
8.	External API-1	Integrate external APIs to access additional data and enrich the user experience. Here's an example of an external API that you could incorporate:	IBM Weather API, etc.
9.	External API-2	Integrating a location data API can provide users with valuable geographical context, allowing them to explore university locations, understand their proximity to other institutions or amenities, and make informed decisions about where to study.	Aadhar API, etc.

10.	Machine Learning Model	Integrating machine learning models into your project can make it more data-driven and user-centric, offering personalized recommendations and data analytics insights to users.	Object Recognition Model, etc.
11.	Infrastructure (Server / Cloud)	The infrastructure for the "Data Dominators: Comparative Study of Top Global Universities in Data Analytics" project plays a crucial role in ensuring the availability, scalability, and security of your web application and its associated databases	Local, Cloud Foundry, Kubernetes, etc.