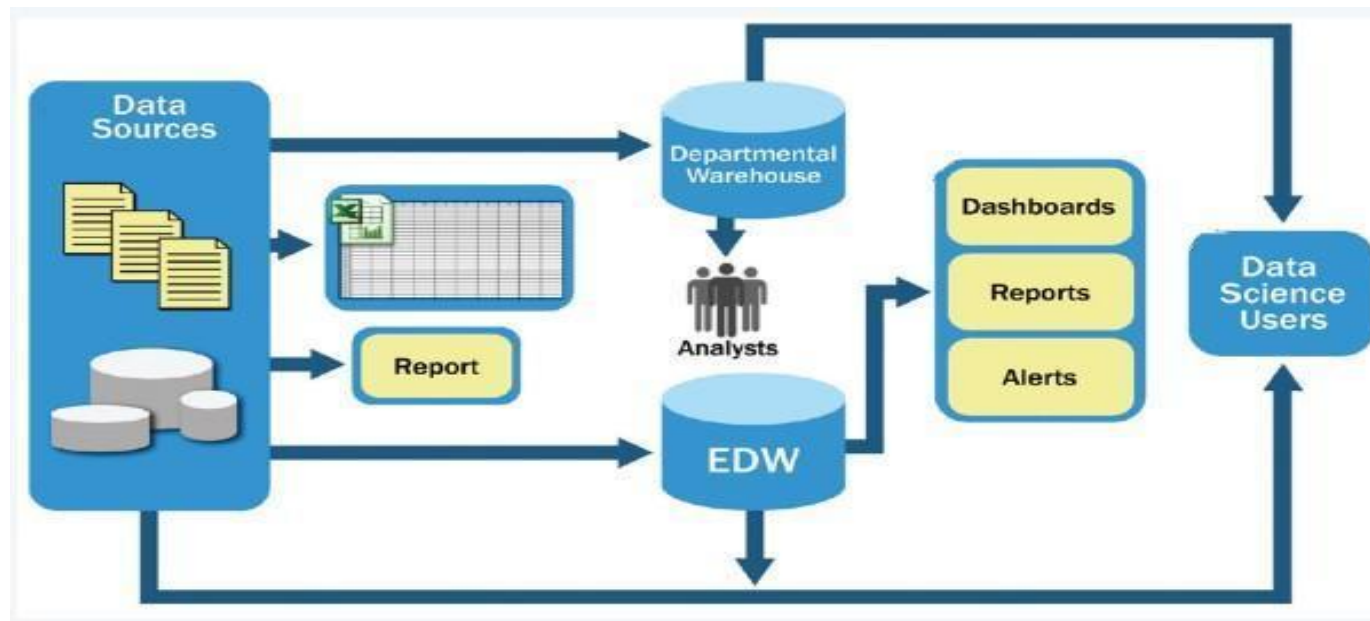


**Project Design Phase-II**  
**Technology Stack (Architecture & Stack)**

Date	30 October 2023
Team ID	NM2023TMID06838
Project Name	Project - Analysing the Performance & Efficiency of The Radisson Hotels using Data Visualization Techniques using IBM COGNOS
Maximum Marks	4 Marks

**Technical Architecture:**

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2



**Table-1 : Components & Technologies:**

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI .	HTML, CSS, JavaScript.
2.	Application Logic	Logic for a process in the application	Python
3.	Database	Data Type, Configurations etc.	MySQL
4.	Cloud Database	Database Service on Cloud	IBM Cloud
5.	Machine Learning Model	Purpose of Machine Learning Model	Object Recognition Model
6.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Python Flask
2.	Scalable Architecture	Justify the scalability of architecture	Load Balancers
3.	Availability	Justify the availability	Load Balancers
4.	Performance	Design consideration for the performance of the application.	Profiling and optimization