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

Date	02-11-2022
Team ID	PNT2022TMID19348
Project Name	Estimate the crop yield using data analytics
Maximum Marks	4 Marks

Technical Architecture:

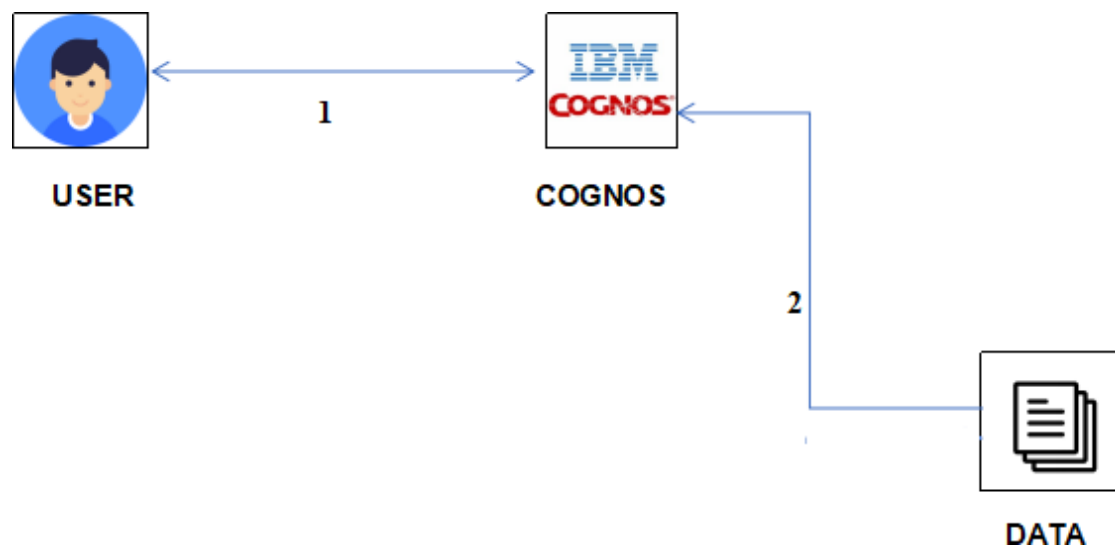# ESTIMATE THE CROP YIELD USING DATA ANALYTICS

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	User can understand from the data visualization	IBM Cognos analytics
2.	Application Logic-1	Data set uploading	IBM Cognos analytics, python
3.	Application Logic-2	Data processing	IBM Cognos analytics
4.	Application Logic-3	Data visualization	IBM Cognos analytics
5.	Application Logic-4	Dashboard creation	IBM Cognos analytics
6.	Database	Table format	MySQL, MS Excel etc.
7.	Cloud Database	Database Service on Cloud	IBM Cloud
8.	File Storage	File storage	IBM Cloud

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Data visualization	creating different types of data chart for better understanding of data story.	IBM Cognos analytics
2.	Security Implementations	It has good security	Password setup for every login
3.	Scalable Architecture	Get to incorporate with any visualizations	IBM Cognos analytics
4.	Availability	vast data in the form of columns and rows	IBM Cognos analytics
5.	Performance	better performance	IBM Cognos analytics