PROJECT DESIGN PHASE 2

TECHNOLOGY STACK(ARCHITECTURE AND STACK)

DATE	8TH NOVEMBER 2022
TEAM ID	PNT2022TMID03196
PROJECT NAME	ESTIMATE THE CROP YIELD USING DATA ANALYTICS
MAXIMUM MARKS	4 MARKS

TECHNICAL ARCHITECTURE:

ESTIMATE THE CROP YIELD USING DATA ANALYTICS

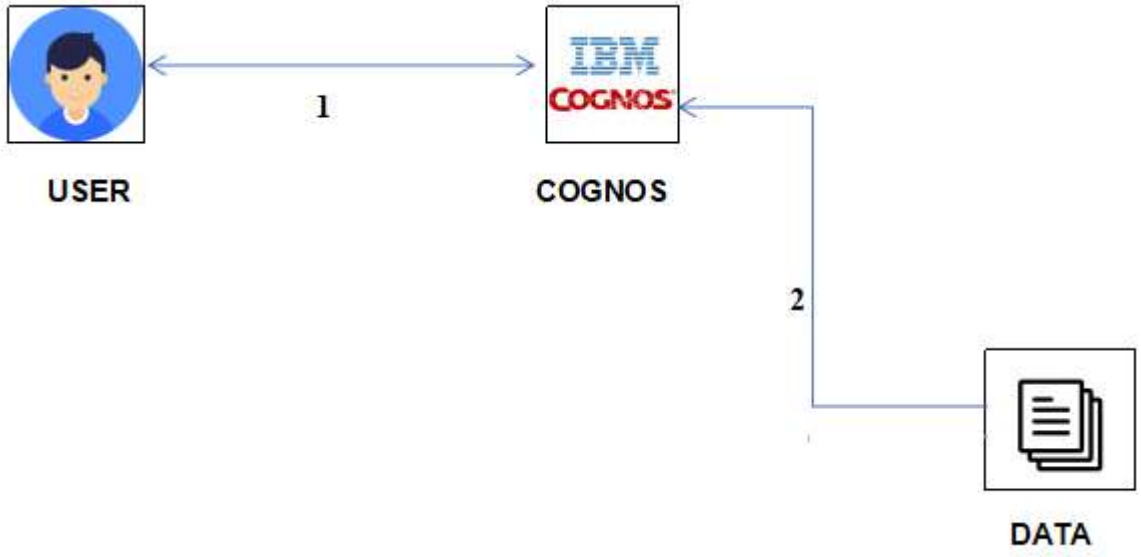

TABLE 1:

COMPONENTS AND TECHNOLOGIES:

S.NO	COMPONENTS	DESCRIPTION	TECHNOLOGY
1.	USER INTERFACE	USER CAN SEE THROUGH THE DATA VISUALIZATION CHARTS	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,NoSQL,MS EXCEL ETC.,
7.	CLOUD DATABASE	DATABASE SERVICE ON CLOUD	IBM CLOUD etc.,
	FILE STORAGE	FILE STORAGE	IBM CLOUD

TABLE 2:

APPLICATION CHARACTERISTICS:

S.NO	COMPONENTS	DESCRIPTION	TECHNOLOGY
1.	DATA VISUALIZATION	CREATING DATA CHARTS TO COMPARE	IBM COGNOS ANALYTICS
2.	SECURITY IMPLEMENTATIONS	SECURED.IT HAS GOOD SECURITY	PASSWORD SETUP FOR EVERY LOGIN
3.	SCALABLE ARCHITECTURE	GET TO INCORPORATE WITH ANY VISUALIZATIONS	IBM COGNOS ANALYTICS
4.	AVAILBILITY	AVAILABLE COLUMNS AND ROWS	IBM COGNOS ANALYTICS
5.	PERFORMANCE	VERY GOOD PERFORMANCE	IBM COGNOS ANALYTICS