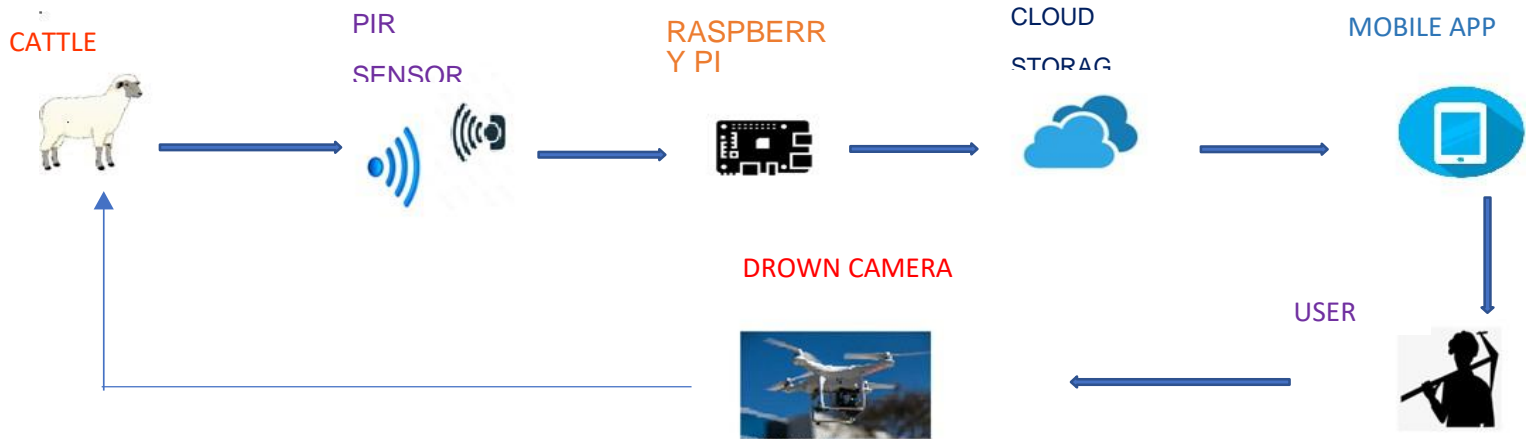


Project Design Phase-II Technology Stack (Architecture & Stack)

Date	18 October 2022
Team ID	PNT2022TMID37953
Project Name	Project - smart forming
Maximum Marks	4 Marks



S.NO	COMPONENT	DESCRIPTION	TECHNOLOGY
1.	USER interface	Sensor, cloud, mobile app.	Python code.
2.	Application logic 1	Sensor going to identify obstacles or unwanted activities	PIR sensor
3.	Application logic 2	Collected data are stored to cloud storage application	Raspberry pi
4.	Application logic 3	Information are makes to available for the users	Internet, mobile apps.
5.	Database	Sensing the obstacles distance and send it to the user	Raspberry bi
6.	Cloud database	Collect the data from raspberry and store it to cloud	Cloud storage
7.	File storage	Sense everything and store it in cloud	Cloud storage
8.	External API	Communication between user and device	Weather API
9.	Infrastructure	Local server configuration, cloud server configuration	Local, cloud

TABLE : 2 : Application Characteristics:

S.NO	CHARACTERISTICS	DESCRIPTION	TECHNOLOGY
1.	Open-Source Frameworks	Python code software were used	Python
2.	Security Implementations	User authentication	App privacy
3.	availability	Its mostly used in farming sector.	Application device