PROJECT DESIGN PHASE-2

TECHNOLOGY STACK (ARCHITECTURE &STACK)

Date	**3 OCTOBER 2022**
Team Id	**PNT2022TMID32056**
Project name	**IoT based smart crop protection System for agriculture**
Maximum marks	**4marks**

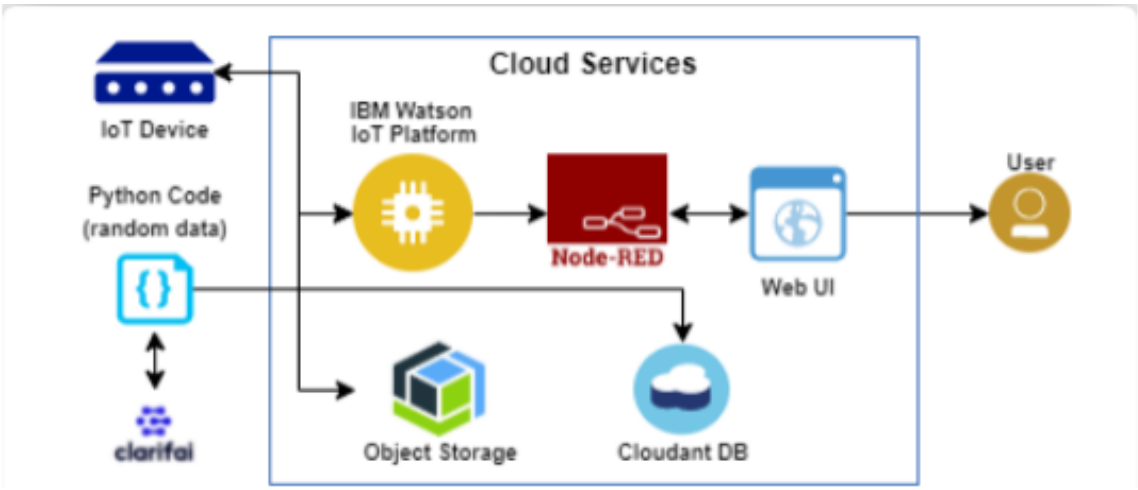

TABLE-1:

S.no	Components	Description	Technology
1	User interface	Interacts with IOT device	HTML, CSS, JS
2	Application logic-1	Logic for a process in the application	Python
3	Application logic-2	Logic for process in the application	Clarify
4	Application logic-3	Logic for process in the application	IBM Watson IOT platform
5	Application logic-4	logic for the process	Node red app service
6	User friendly	Easily manage the net screen appliance	Web UI

TABLE-2: APPLICATION AND CHARACTERISTICS

S.no	Characteristics	Description	Technology
1	Open source framework	Open source framework used	Python
2	Security implementations	Authentication using encryption	Encryptions
3	Scalable architecture	The scalability of architecture consists of 3 models	Web UI Application server-python, clarify Database server-IBM cloud services.
4	Availability	It is increased by Cloud and database	IBM cloud services