

# PROJECT DESIGN PHASE-2

## TECHNOLOGY STACK (ARCHITECTURE & STACK)

Date	September2022
Team Id	PNT2022MID32078
Project name	IoT based smart crop protection System for agriculture
Maximum marks	4marks

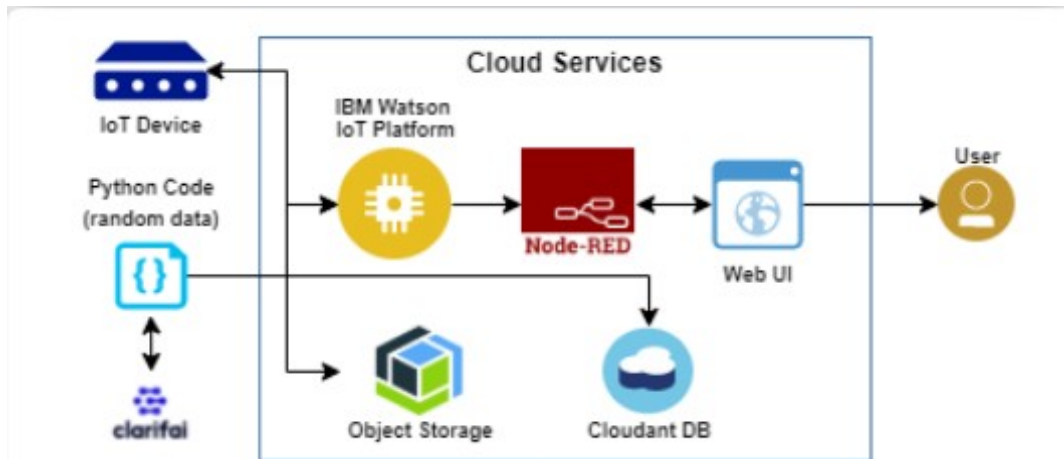


TABLE-1:

sno	components	description	Technology
1	User interface	Interacts with iot device	Html,css,angular js etc..
2	Application logic-1	Logic for a process in the application	Python
3	Application logic-2	Logic for process in the application	Clarifai
4	Application logic-3	Logic for process in the application	IBM Waston 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**

<b>sno</b>	<b>Characteristics</b>	<b>Description</b>	<b>Technology</b>
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, clarifai Database server-ibm cloud services.
4	Availability	It is increased by cloudant database	IBM cloud services