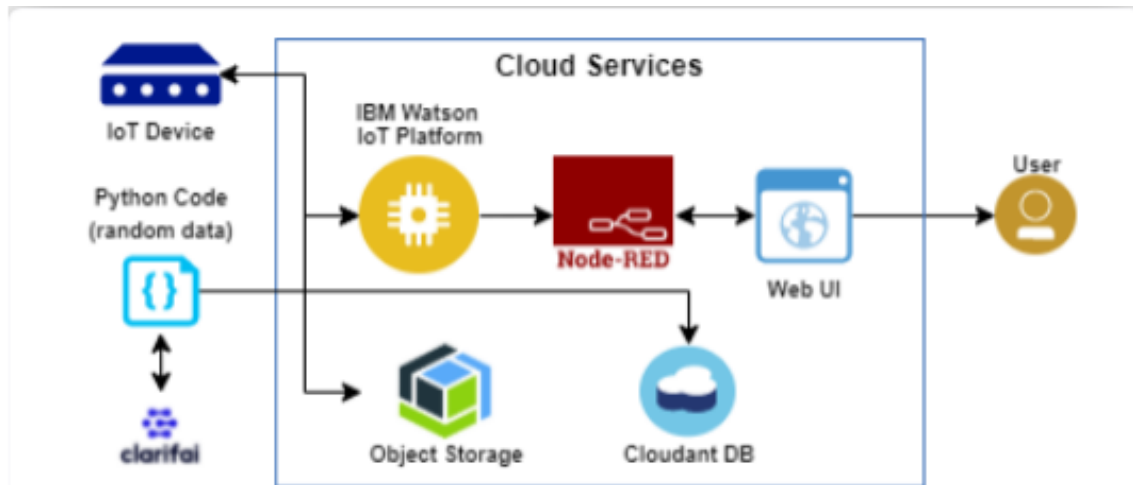


# PROJECT DESIGN PHASE-2

## TECHNOLOGY STACK (ARCHITECTURE & STACK)

<b>Date</b>	16 NOVEMBER 2022
<b>Team Id</b>	PNT2022TMID51798
<b>Project name</b>	<b>IoT based smart crop protection System for agriculture</b>
<b>Maximum marks</b>	<b>4marks</b>



**TABLE-1:**

<b>S.no</b>	<b>Components</b>	<b>Description</b>	<b>Technology</b>
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**

<b>S.no</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, clarify Database server-IBM cloud services.
4	Availability	It is increased by Cloud and database	IBM cloud services