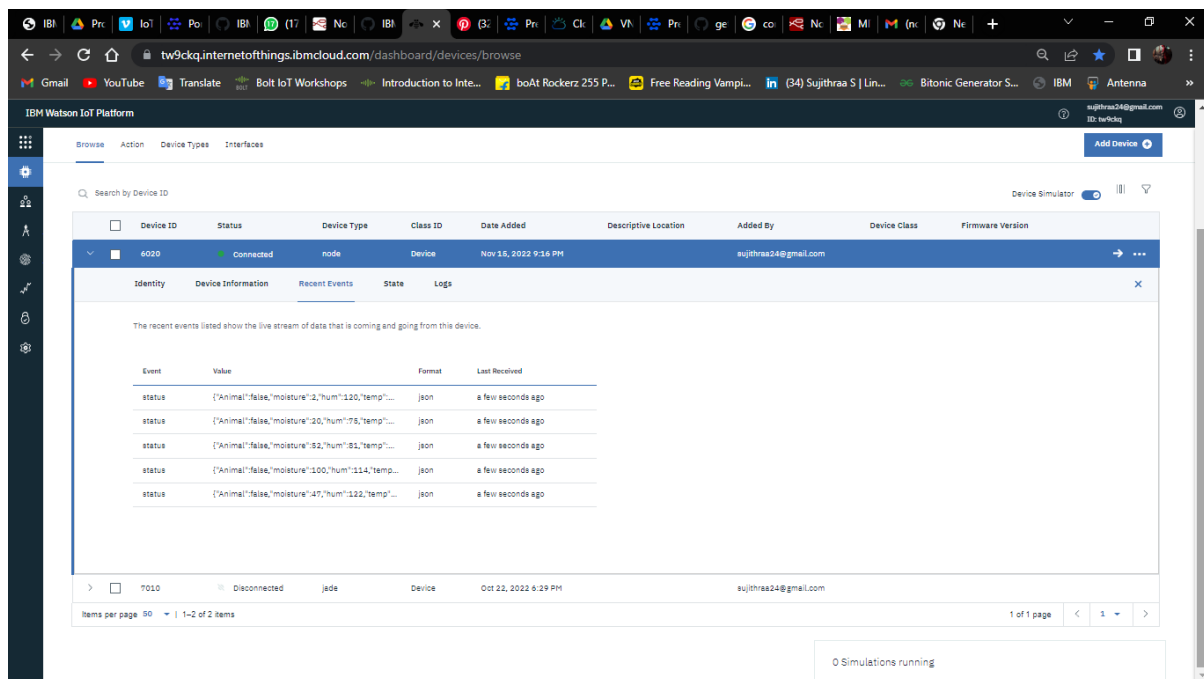


# Project Outputs

Date	18 November 2022
Team ID	PNT2022TMID30932
Project Name	IoT Based Smart Crop Protection System for Agriculture.

## ► IBM Watson IoT platform:

Random temperature, humidity, and moisture values are generated using the python code and the values are sent to the IBM cloud. IBM cloud sends those values to the node red and shown in the node red dashboard.



The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes tabs for Browse, Action, Device Types, and Interfaces. A search bar is present, and a 'Device Simulator' toggle is visible. The main content area shows a table of devices. The first device, ID 6020, is 'Connected' and of type 'node'. Below this, a 'Recent Events' section shows a stream of data points. The table below is a representation of the data shown in the screenshot.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location	Added By	Device Class	Firmware Version
6020	Connected	node	Device	Nov 16, 2022 9:16 PM		sujthraa24@gmail.com		

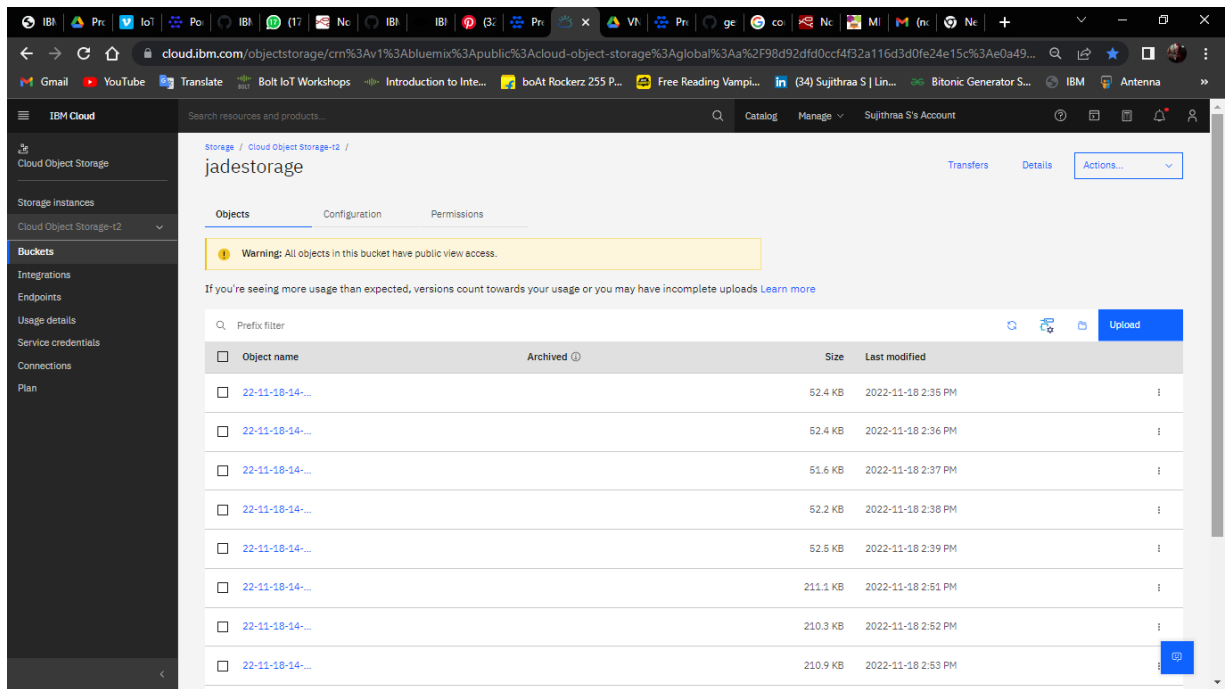
Event	Value	Format	Last Received
status	{"Animal":false,"moisture":2,"hum":120,"temp":...}	json	a few seconds ago
status	{"Animal":false,"moisture":20,"hum":76,"temp":...}	json	a few seconds ago
status	{"Animal":false,"moisture":52,"hum":52,"temp":...}	json	a few seconds ago
status	{"Animal":false,"moisture":100,"hum":114,"temp":...}	json	a few seconds ago
status	{"Animal":false,"moisture":47,"hum":122,"temp":...}	json	a few seconds ago

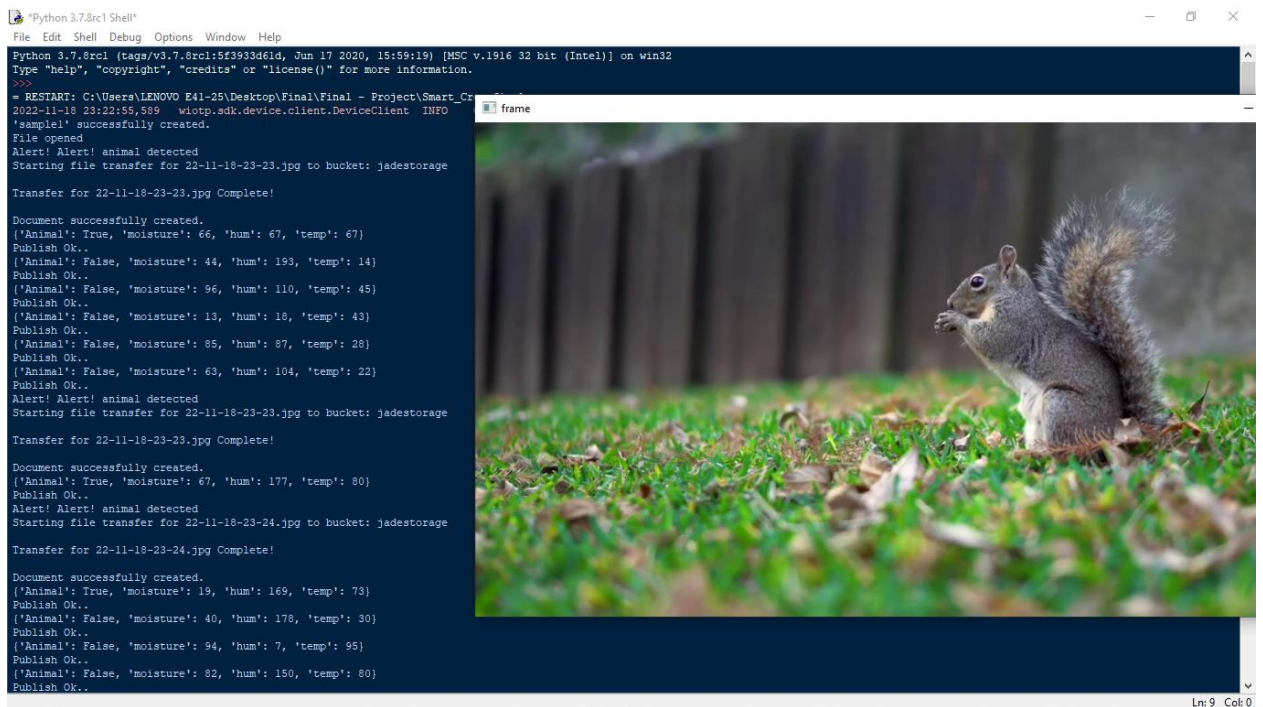
Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location	Added By	Device Class	Firmware Version
7010	Disconnected	jade	Device	Oct 22, 2022 6:29 PM		sujthraa24@gmail.com		

## ► Cloud object storage :

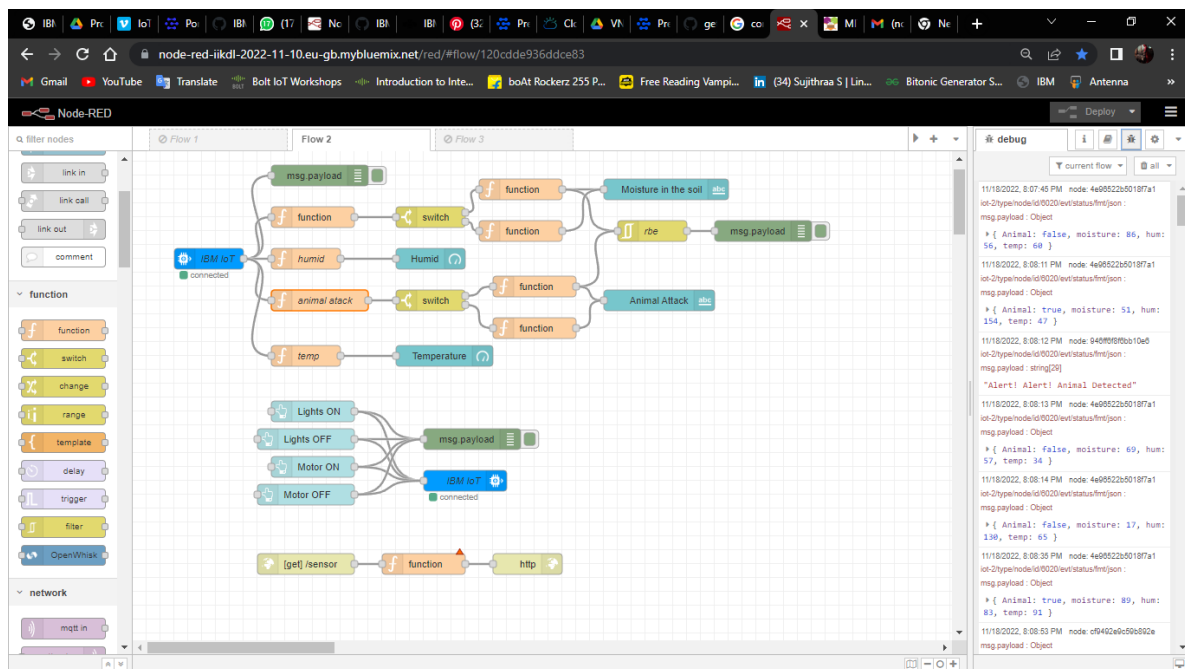
This is the cloud storage area where we can store the images of the detected animal.



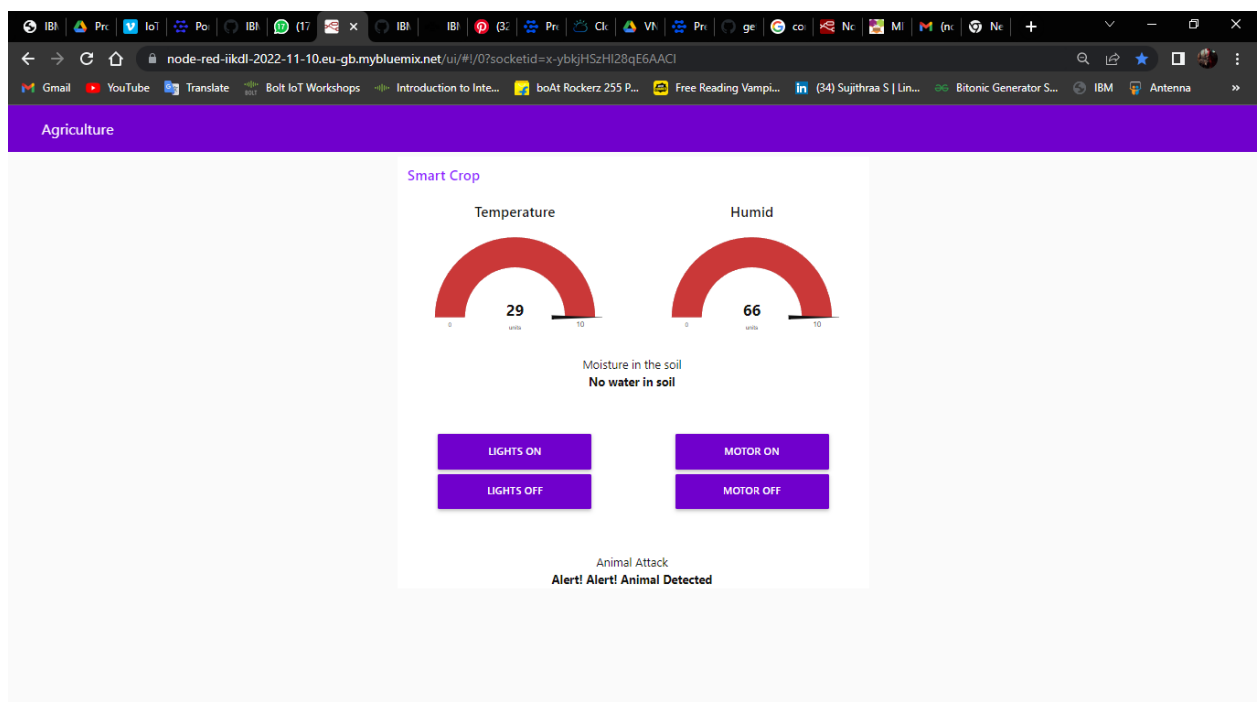
## ► Python code testing:



**Connection and output:**

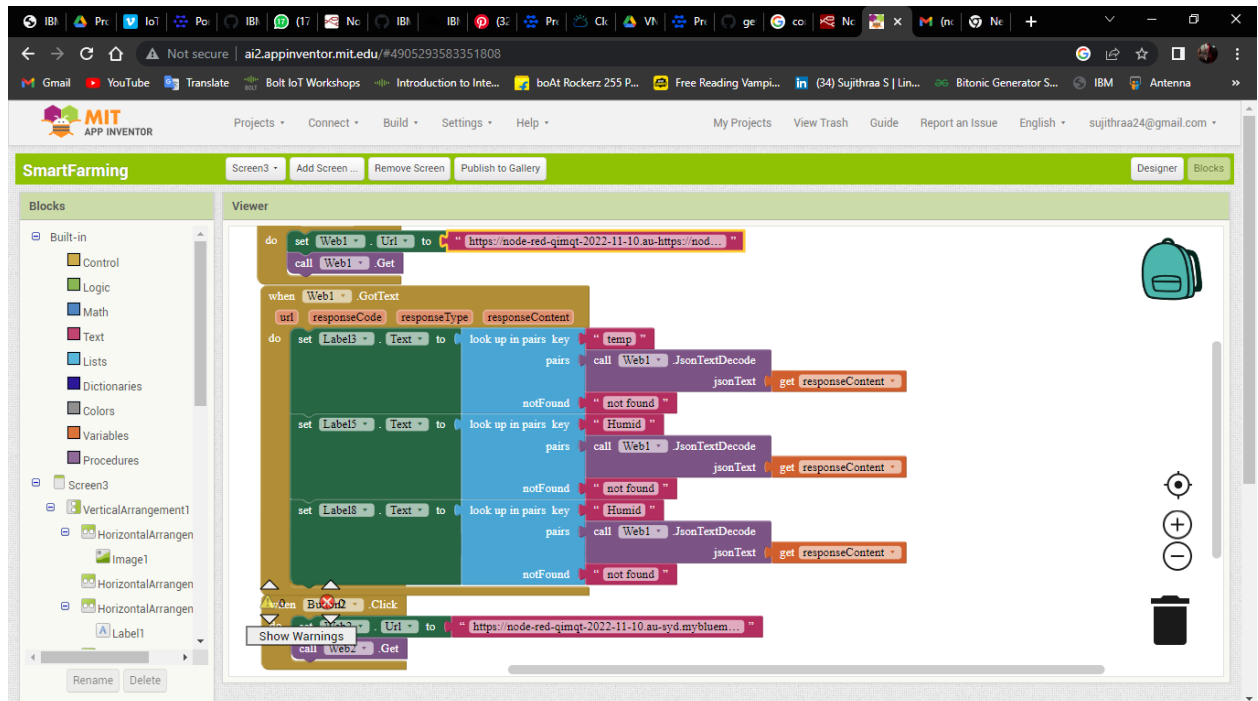


**Web application testing:**



## ► Mobile Application testing:

*Mobile application creation :*

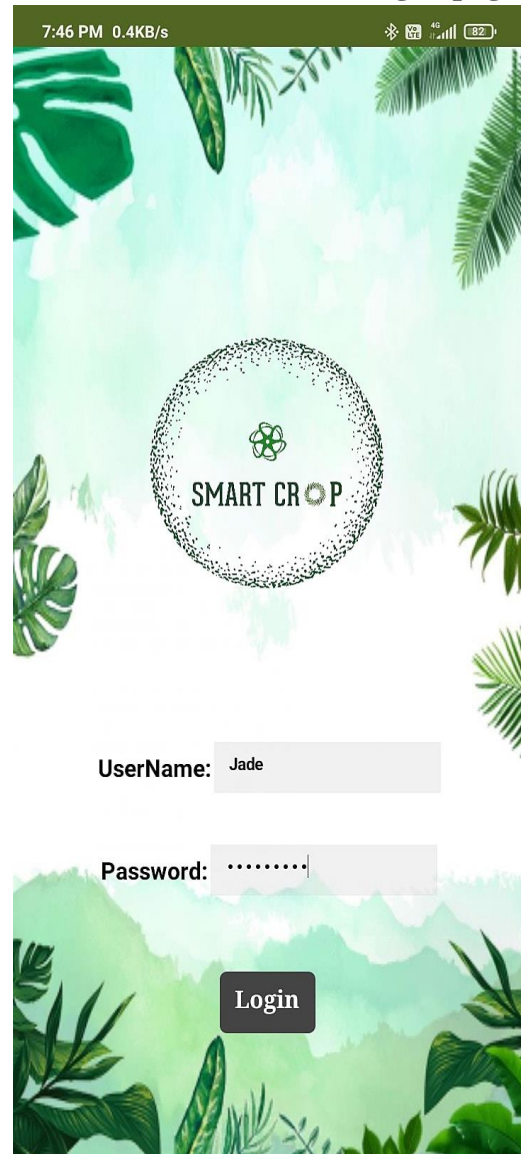


## *Mobile Application:*

### App interface:



### Login page:



## Dashboard Page:

