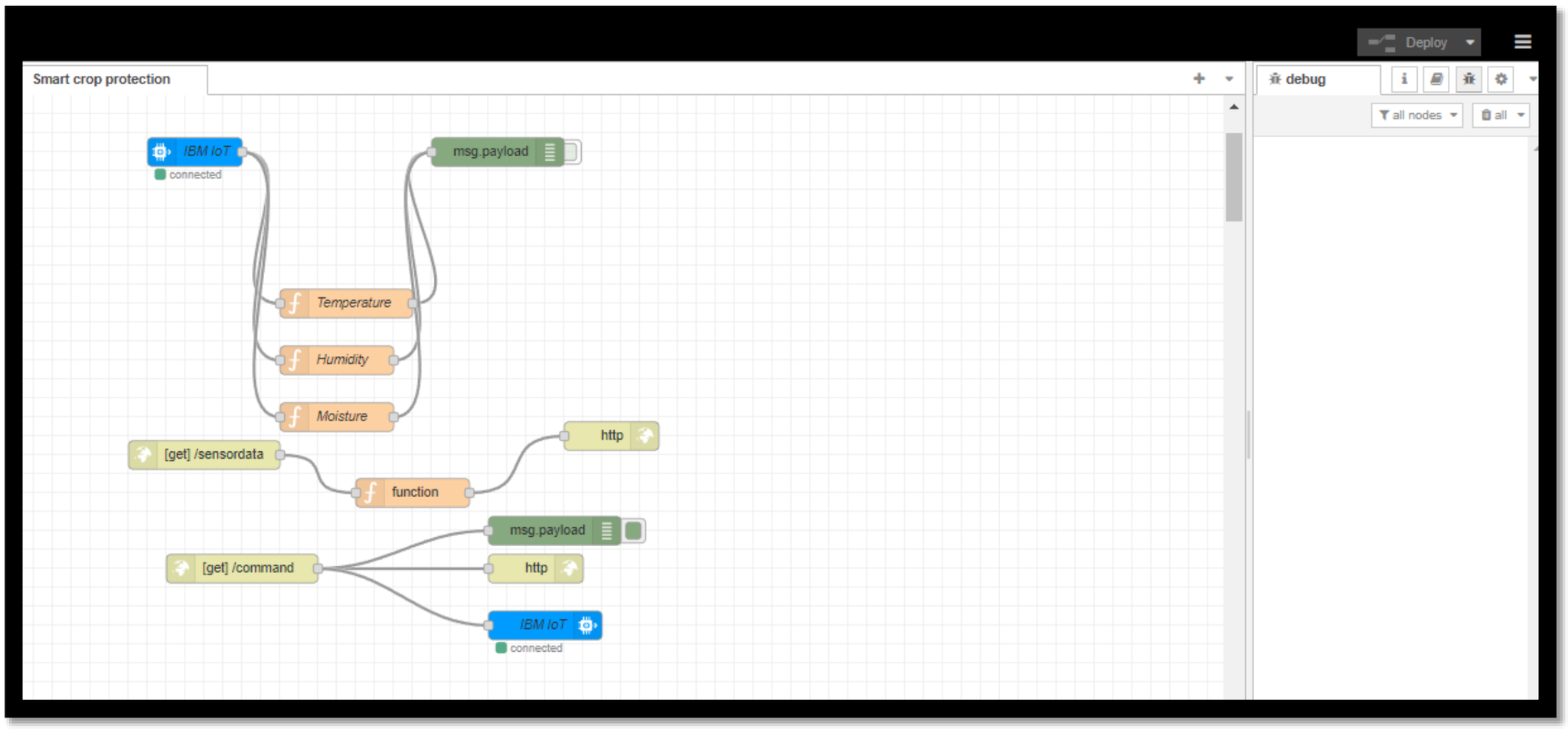
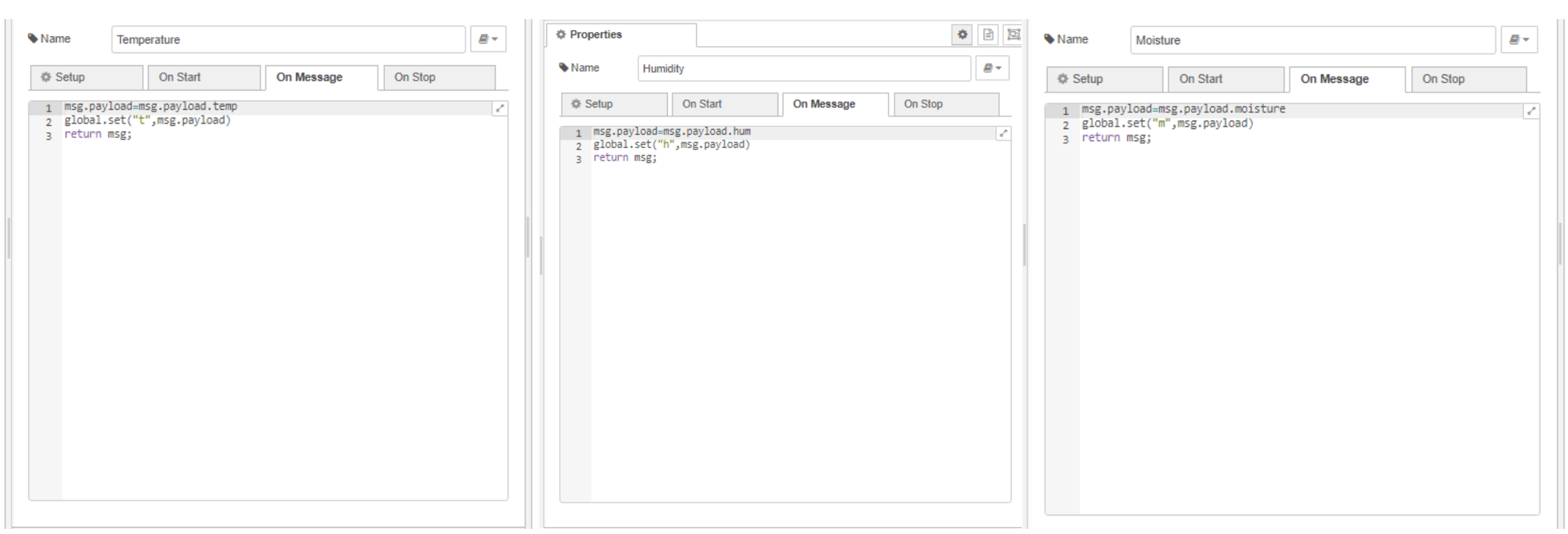
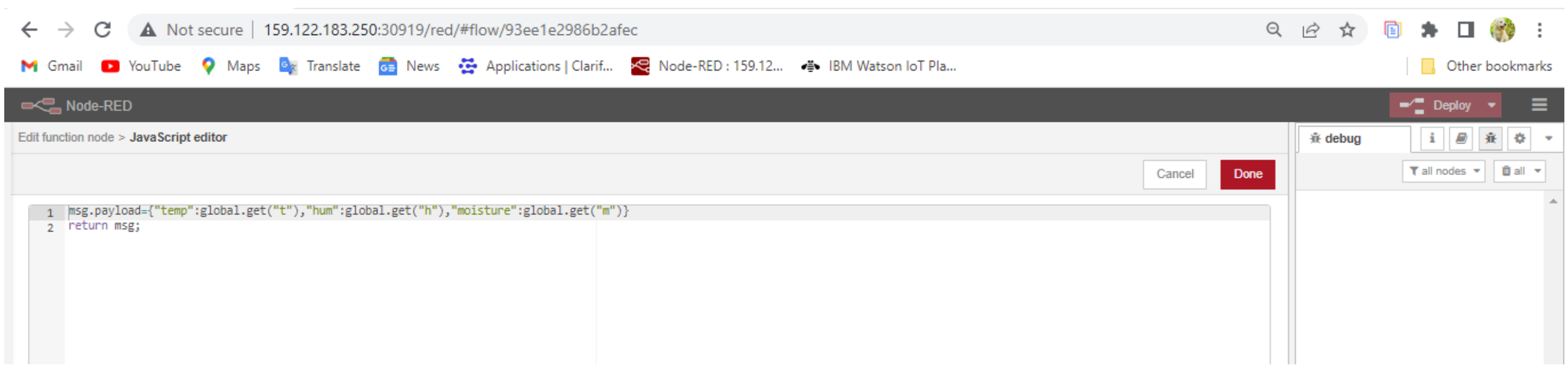
SPRINT-2	
Team ID	PNT2022TMID37200
Project Name	IoT Based Smart Crop Protection System for Agriculture

Node RED Flow between Watson IoT and MIT App:



Codes on the function nodes of NODE Red:

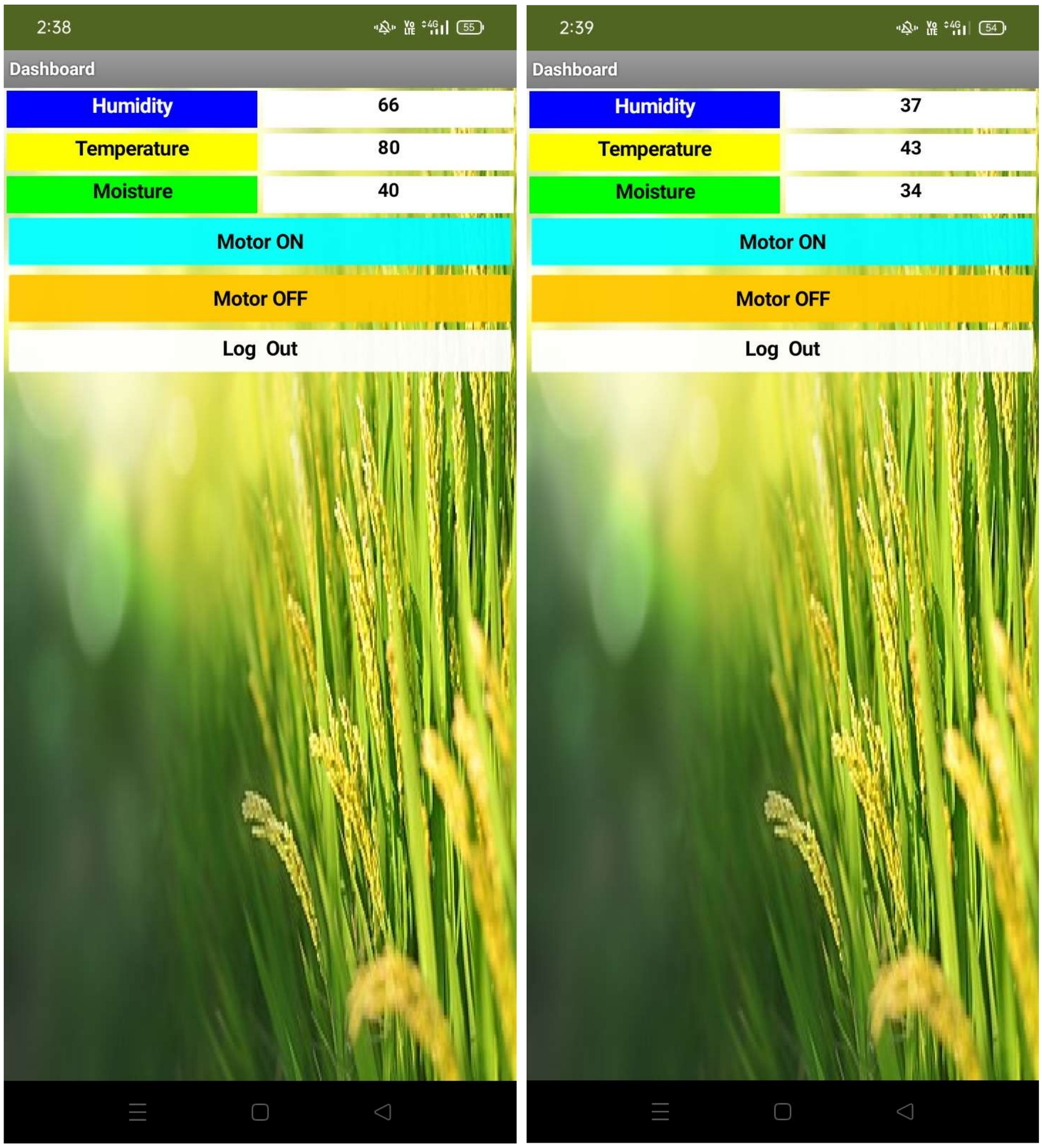




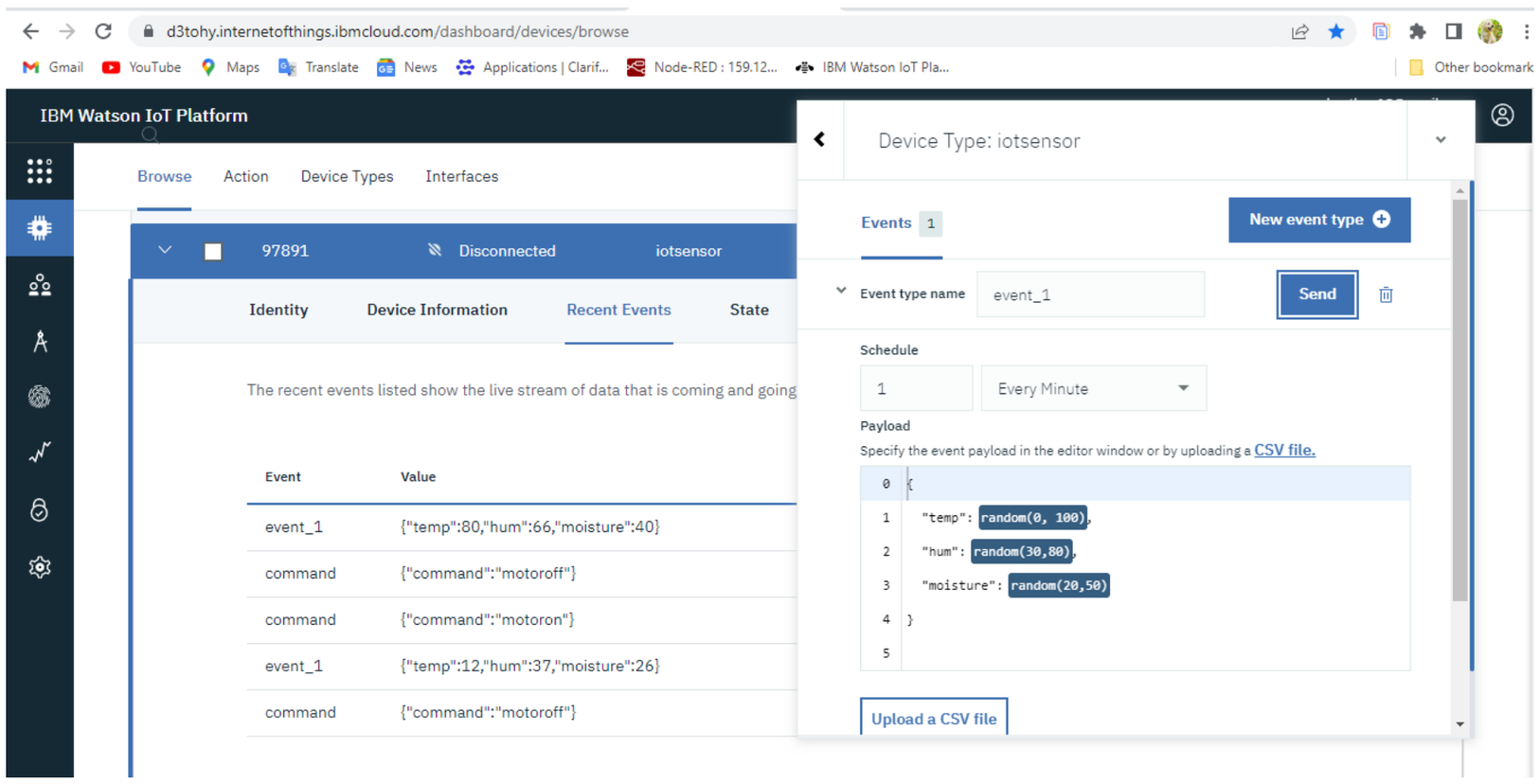
SOIL PARAMETER MEASURMENT and SMART IRRIGATION SYSTEM:

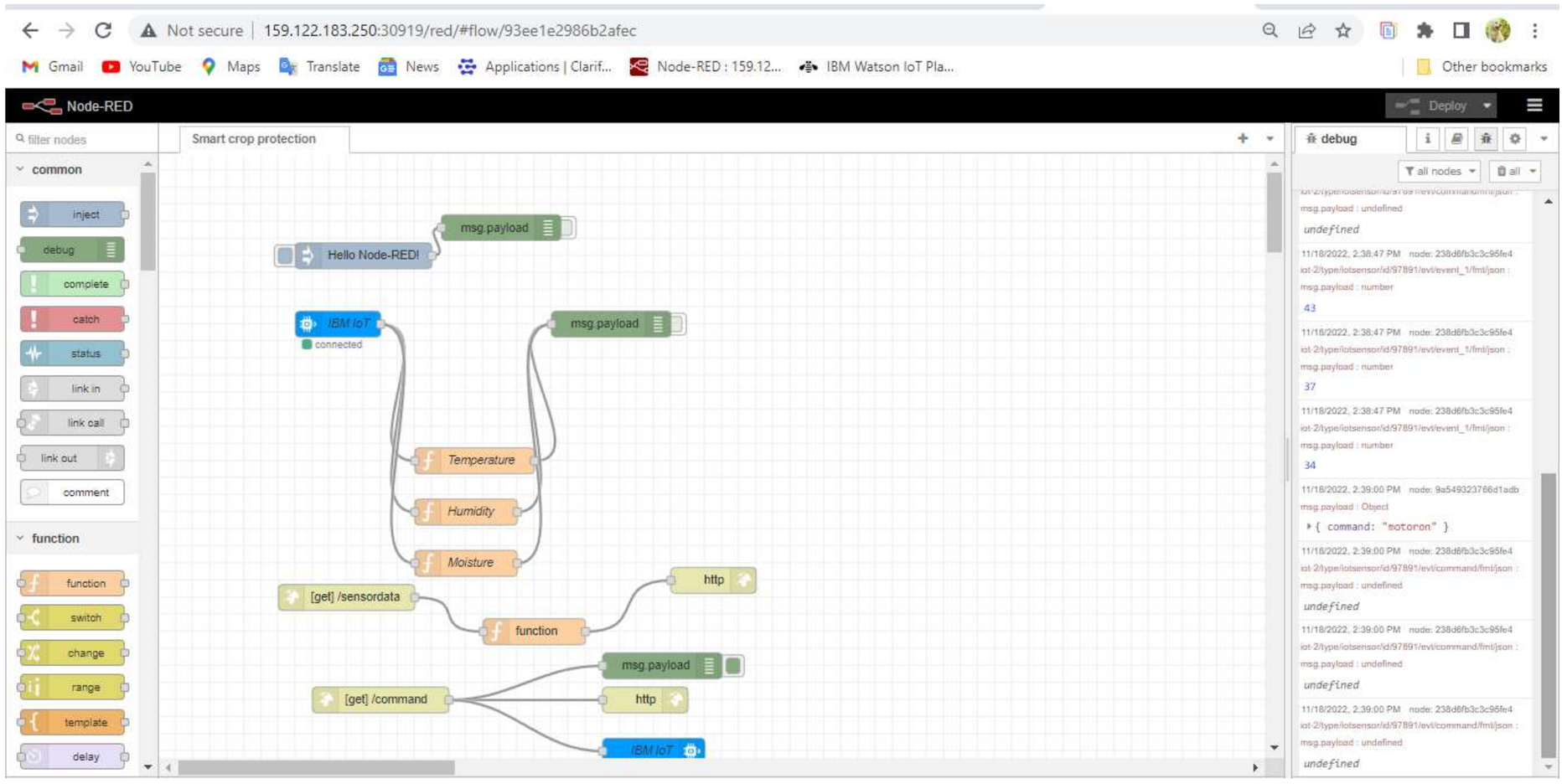
Parameters like temperature, humidity and moisture is generated randomly in IBM Watson IoT Platform and send to the MIT App through Node Red.

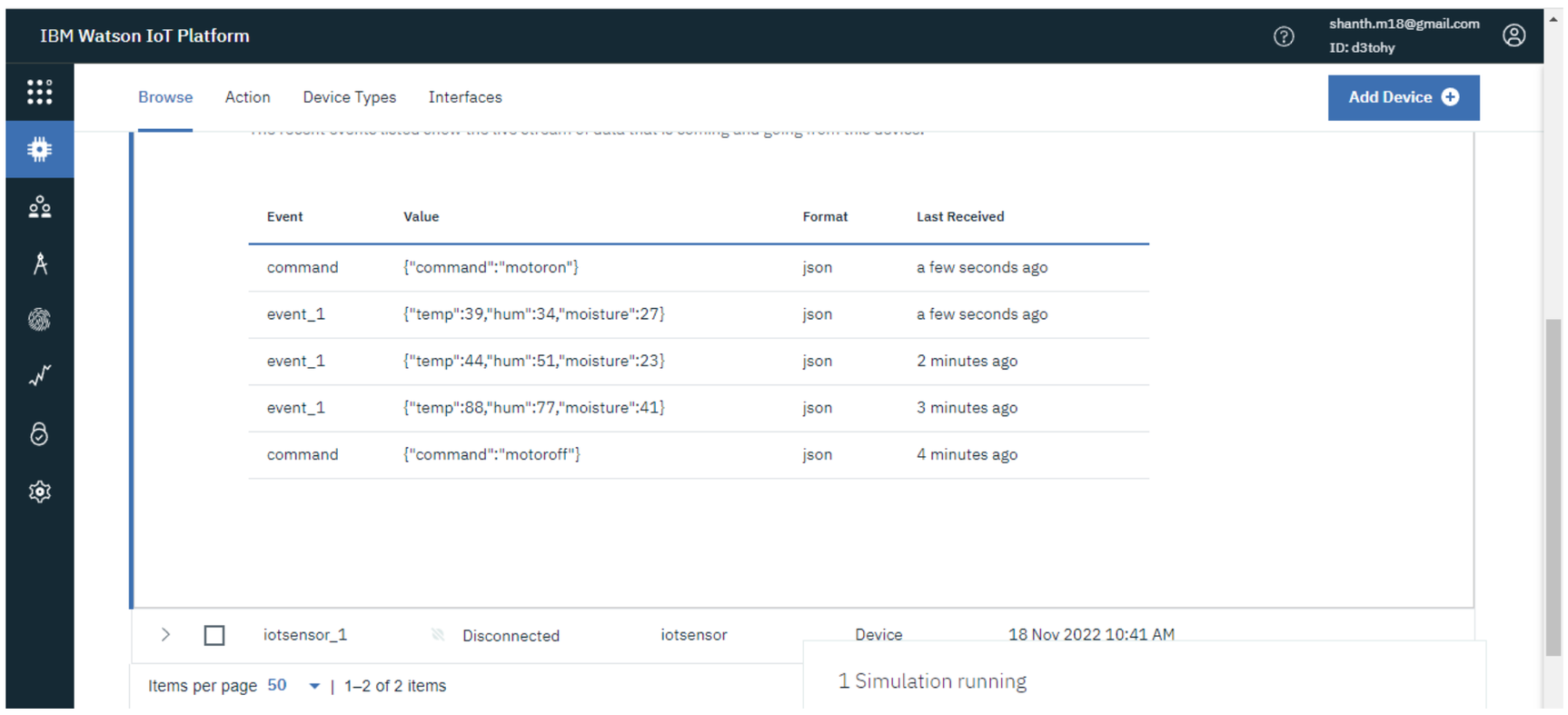
User Viewing the Generated Soil Parameters:

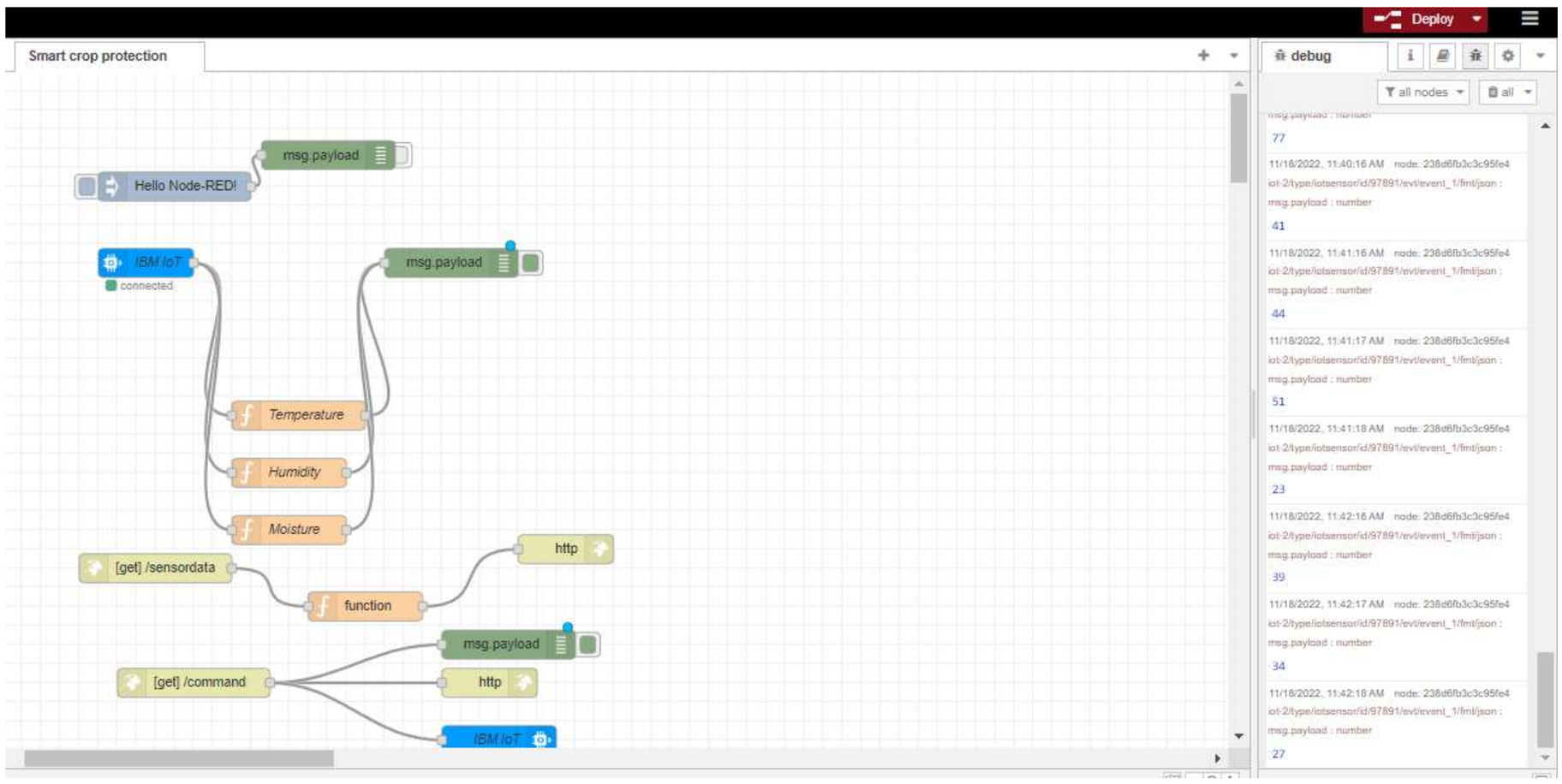


Cloud Sending the Random Soil Parameters to Node Red:









From the above screenshots, the generated parameters are sent to NODE Red and viewed by user in User Interface. After the farmer saw the parameters, if they want to irrigate their farm, they only have to Turn ON and OFF the irrigation system through the MIT App.

The soil parameters values are displayed on APP generated from the IBM Watson IoT Platform. The command of Turning ON and OFF the motor is given by the farmers from the app and also send to the IoT platform.