

Project Scope

Project Summary

To develop a smart agriculture system based on IoT that can monitor soil moisture and climatic conditions to grow and yield a good crop. The farmer is to be provided a mobile app using which he can monitor the temperature, humidity and soil moisture parameters along with weather forecasting details.

Project Requirements

1. The farmer can also get the real time weather forecasting data by using external platforms like Open Weather API.
2. Even if the farmer is not present near his crop he can water his crop by controlling the motors using the mobile application from anywhere.

Functional Requirements

1. Development of sensor data receivers
2. Development of Open Weather API data receivers
3. Development of actuator controls

Technical Requirements

1. Soil humidity and temperature sensors
2. Weather forecast API integration
3. Watering actuators

Software Requirements


1. Open Weather API
2. Watson IoT
3. Python IDE

Project Deliverables


An integrated IoT app that enables the farmer to monitor the temperature, humidity and soil moisture parameters along with weather forecasting details.

Project Team

- Myself



Pull requests Issues Marketplace Explore



Set status

Mayankwork

Edit profile

Joined 24 days ago

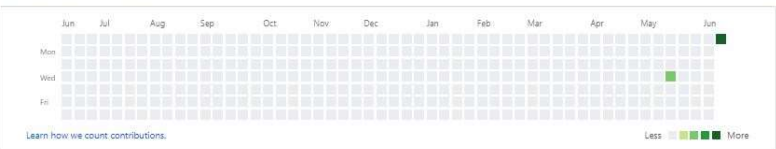
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4 contributions in the last year



Contribution activity

June 2020

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SETTINGS

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CHALLENGES

PROFILE

LEARNING PATH

CERTIFICATES

CHANGE PASSWORD


Internship Title : Smart Agriculture system based on IoT - SB47704

Project ID : SPS_PRO_101

Project Title : Smart Agriculture system based on IoT

Duration : 16.2 Days

Internship Description : [Click here to view the Internship Description](#)

Team : 

Overall Project Progress: 100%

Assigned Tasks Progress: 100%

★ MENTOR INSTRUCTIONS

- Click on Go to Workspace Option to access the Project Workspace
- Total Internship duration is 1 month, within this time you have to complete project with expected outcome
- References & Learning resources are provided for every activity
- Your login and logouts to the workspace are monitored, it is mandatory to maintain 5-days a week attendance
- All the project deliverables shall be pushed to GitHub Repository & daily work status shall be updated to mentor via Slack Channel
- Use Zoho Writer to update the project documentation regularly
- Individual activity status shall be updated in the Kanban Board without fail
- Use commenting option on activity card to communicate with mentor in case of any query. Mentor replies can be accessed from Mentor View tab
- Once mentor approves all activities, you have to capture a project demonstration video and upload to the GitHub

thesmartbridgefreelint...
Mayank Gupta

Get started

Next: Add a profile photo

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internship

random

Direct messages

#general

Note: those who don't have the [GitHub account](#) Ping here

Thank you

Pinned by Durgaprasad

Durgaprasad 9:42 PM

Dear Interns,

Everyone needs to do the following things for review on Github

- Node-red flow (Please export it and upload the file in the Github)
- Python Code
- Project Report PDF
- Project Scope PDF
- Project Demo video PPT(Max 5 slides)
- Project demo video Link, the video needs to be placed on youtube(use zoom.com)

Share the video link on GitHub read me File. In the project demo video you need to cover the following things

Message #general

Thread

#general

Avinash Jun 11th at 12:49 PM

@Durgaprasad sir how do we represent http request in ui ?

2 replies

Durgaprasad 3 days ago

that is the process node we will not show that on UI because only with the help of dashboard nodes we can build ui

Avinash 2 days ago

Ok sir

Reply...

