PROJECT KICKOFF TEMPLATE

PROJECT SCOPE

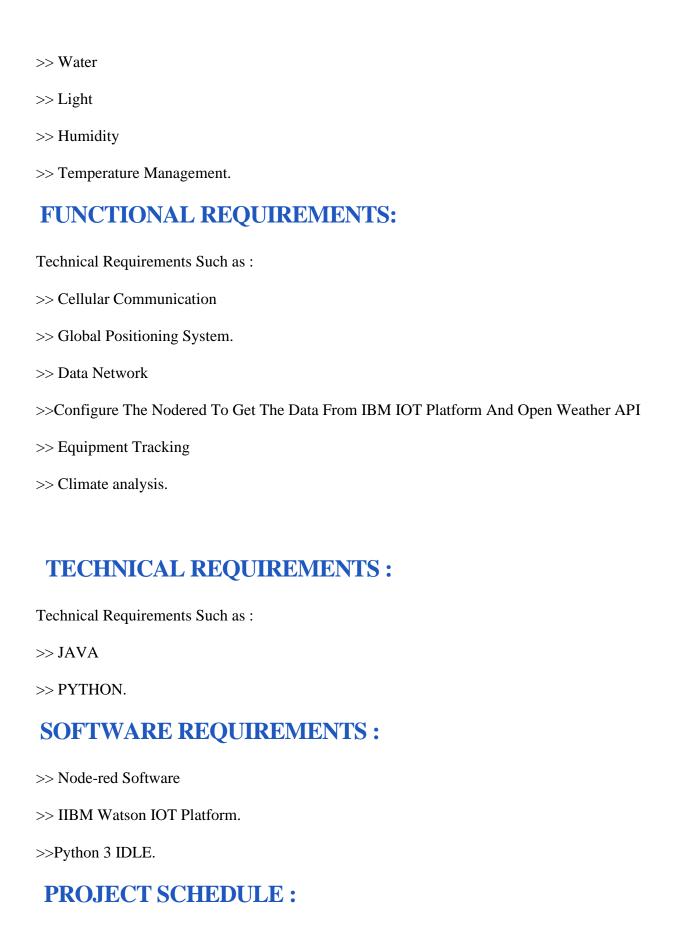
PROJECT NAME: Smart Agriculture System Based On IOT

PROJECT SUMMARY:

- ** We Need To Follow These Steps To Complete Our Project :-
- >> Project Planning and Kickoff.
- >> Explore IBM Cloud.
- >> Connect the IOT Stimulator To Watson IOT Platform.
- >> Configure The Nordered TO Get the data from IBM IOT Platform And Open Weather API
- >> Building a Web App.
- >> Configure your device to receive the data from the web application And Control Your Motors.
- >> Our project main aim is to help farmers to control his motor from home. He can On and Off his motor by using his mobile phone.
- >> By Using Weather API he can know the weather Conditions like temperature, Humidity and Soil Moisture.

PROJECT REQUIREMENTS:

- >> Sensing Technologies
- >> Including Soil Scanning



- >> Project Planning and Kickoff.(22nd-23rd may)
- >> Explore IBM Cloud Platform.(24th may)
- >> Connect The IOT stimulator To Watson IOT Platform.(23rd may)
- >> Configure the Nodered To get the data From IBM IOT platform and open weather API(24th may-8th june)
- >> Building a Web App(9th june-11th june)
- >> Configure Your Device to receive the datafrom the web Application and Control your Motors. (11th june-15th june)
- >>Weather API can know the weather Conditions like temperature, Humidity and Soil Moisture.

PROJECT REQUIREMENTS:

- >> Sensing Technologies
- >> Including Soil Scanning
- >> Water
- >> Light
- >> Humidity
- >> Temperature Management.

FUNCTIONAL REQUIREMENTS:

Technical Requirements Such as:

- >> Cellular Communication
- >> Global Positioning System.
- >> Data Network
- >> Configure The Nodered To Get The Data From IBM IOT Platform And Open Weather APi
- >> Equipment Tracking

TECHNICAL REQUIREMENTS:

Technical Requirements Such as:

- >> JAVA
- >> PYTHON.

SOFTWARE REQUIREMENTS:

- >> Node-red Software
- >> IIBM Watson IOT Platform.
- >>Python 3 IDLE.

PROJECT SCHEDULE:

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PROJECT DELIVERABLES:

>> A web App for farmers where he can:

- Monitor temperature, humidity, soil moisture along with weather forecasting details.
- Control motor for watering the crop.

PROJECT TEAM:

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