

PROJECT SCOPE AND KICKOFF

PROJECT NAME : Smart Agriculture system based on IOT

KICKOFF DATE : 20-05-2020

Project member	Addanki Naveen 17131a0401@gvpce.ac.in
Project summary	<p>In India we majorly depend on agriculture sector rather than manufacturing sector but in our country our farmers facing many problem due to drastical changes in soil moisture and climate conditions they even end up their lives.</p> <p>By using IOT we build application friendly to farmers where they can monitor soil moisture and climatic conditions and can control the motor which supplies water to crop, which helps to yield good crop.</p>
project prerequisites	python language node red configuration knowledge on IBM watson platform
project requirements	IBM cloud account Bluemix account in cloud NodeRED deployment Python coding IOT simulator Open Weather API
Project Deliverables	A web application with smart dashboard in which it has continuous monitoring of climatic conditions of the area and field based on that farmer can operate the motor remotely using IOT.
Project schedule	20-05-2020 to 20-05-2020(30 days) <ul style="list-style-type: none">1st week - project planning and kickoff, explore IBM cloud platform, connecting IOT simulator to watson platform.

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| | <ul style="list-style-type: none">● 2nd week - connect the node red to get data from IBM IOT platform and weather API .● 3rd week - Building a web app using NodeRed● 4th week - configure the device to retrieve data fom application and control motors
preapre the projet report. |
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