

Smart Agriculture using IOT



SMARTBRIDGE
Let's Bridge the Gap

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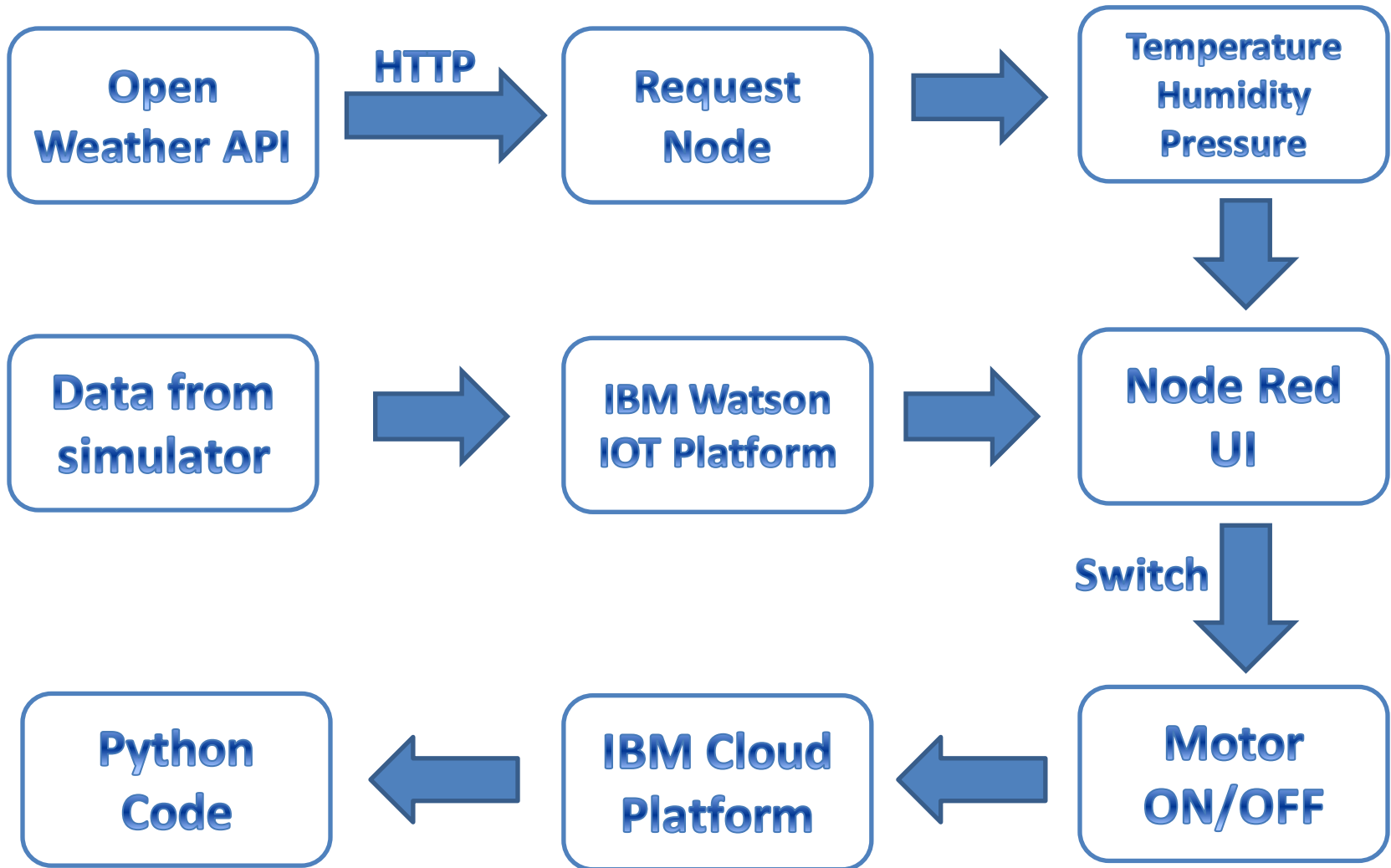
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The main goal of this project is to develop and provide an user-friendly interface to farmers. Providing essential data about the temperature, humidity and moisture of the soil. They can also control the motor to water their crops through the web app and an inclusive weather forecast is also added to give the details about their climatic conditions.

Block Diagram:



Future Scope:

We know that agriculture has a contribution of 16 percent in gross domestic product (GDP) of the country. Agriculture also accounts for 15 percent of the total earnings and provide raw to most industries. Agriculture is regarded as the backbone of India.

This web app will help in the development of agriculture by helping the farmers in their work by reducing their work load to monitor the crops. The web application provides data about the soil moisture, temperature and humidity of their land.

It will be an easy interface for farmers to interact with the cloud and monitor their crops and have the control to switch ON/OFF from anywhere. In future, the crop details can also be added so that they can cultivate crops according to climatic conditions. Hence, this web app will be of great use to all farmers in their work now and in future.

*Thank
You*



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