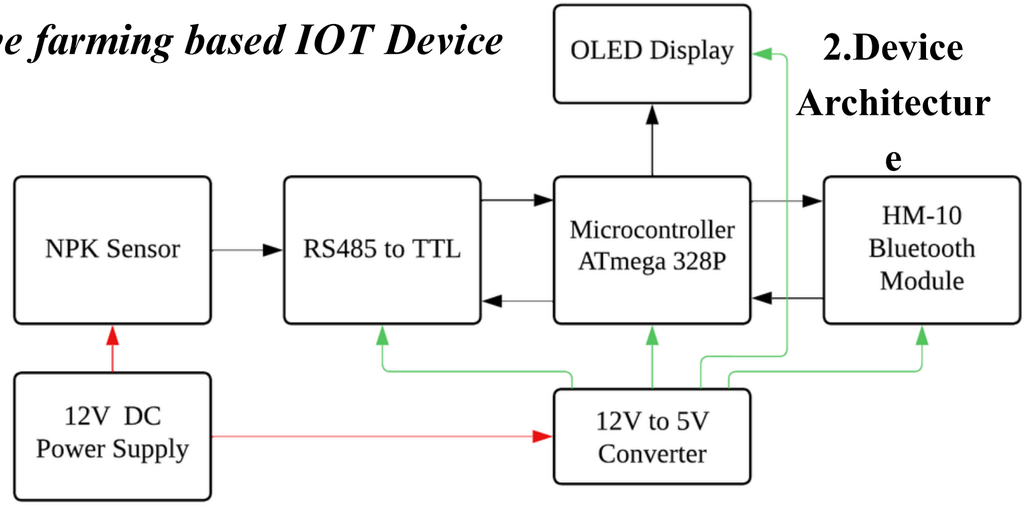
Farmers' Brain

Innovative farming based IOT Device

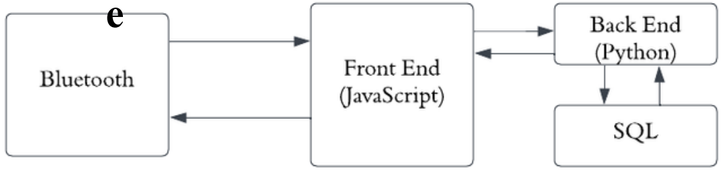
1.Introduction

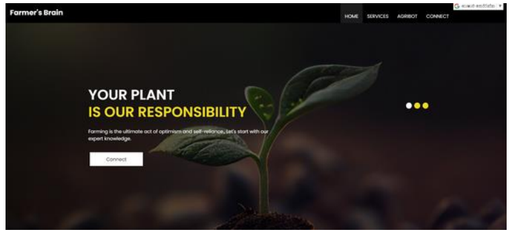
Through our project we are mainly aiming to increase the efficiency in farming and make farming is easily done by anyone without any previous knowledge. In order to achieve it we are developing an IoT device which is capable of analysing the farming condition and make expert level suggestion by using predefined expert validated data. As this idea includes several measurements and devices as the first version, we are developing a device which is capable of analysing the soil nutrients and give suggestion for plantation that whether this soil is good for planting or what is need to add for plantation.

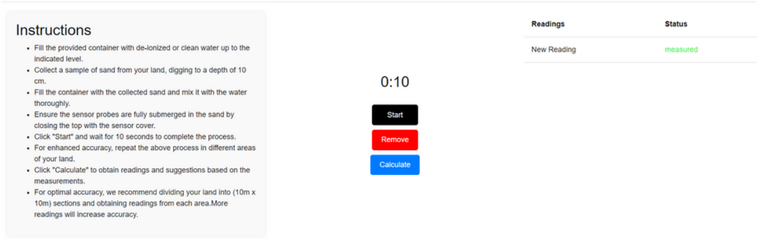
2.Device Architecture

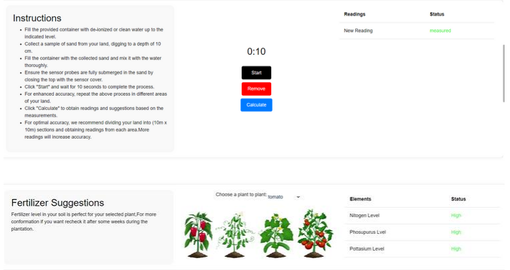


3.Web APP Architecture









4.Conclusion

In the future, we'll expand our platform to include a more detailed crop database and integrate additional sensor inputs. This will enable crop-specific recommendations based on soil nutrients. We'll also introduce an AI-powered Chat Bot that provides real-time guidance, answers user questions, and offers personalized crop management tips. This will make our platform more accessible, efficient, and helpful for users.

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