



## INSPIRATION

Understanding the water shortage problem it is very important to utilize it effectively, so here we present an Automated Irrigation System, which is an amazing blend of software technology with Internet of Things (IoT), that would help the farming community to irrigate the lands effectively. Further we also intend to suggest them the best conditions for their crops also with the ideal fertilizer/pesticide requirements.

## Functional Aspects:

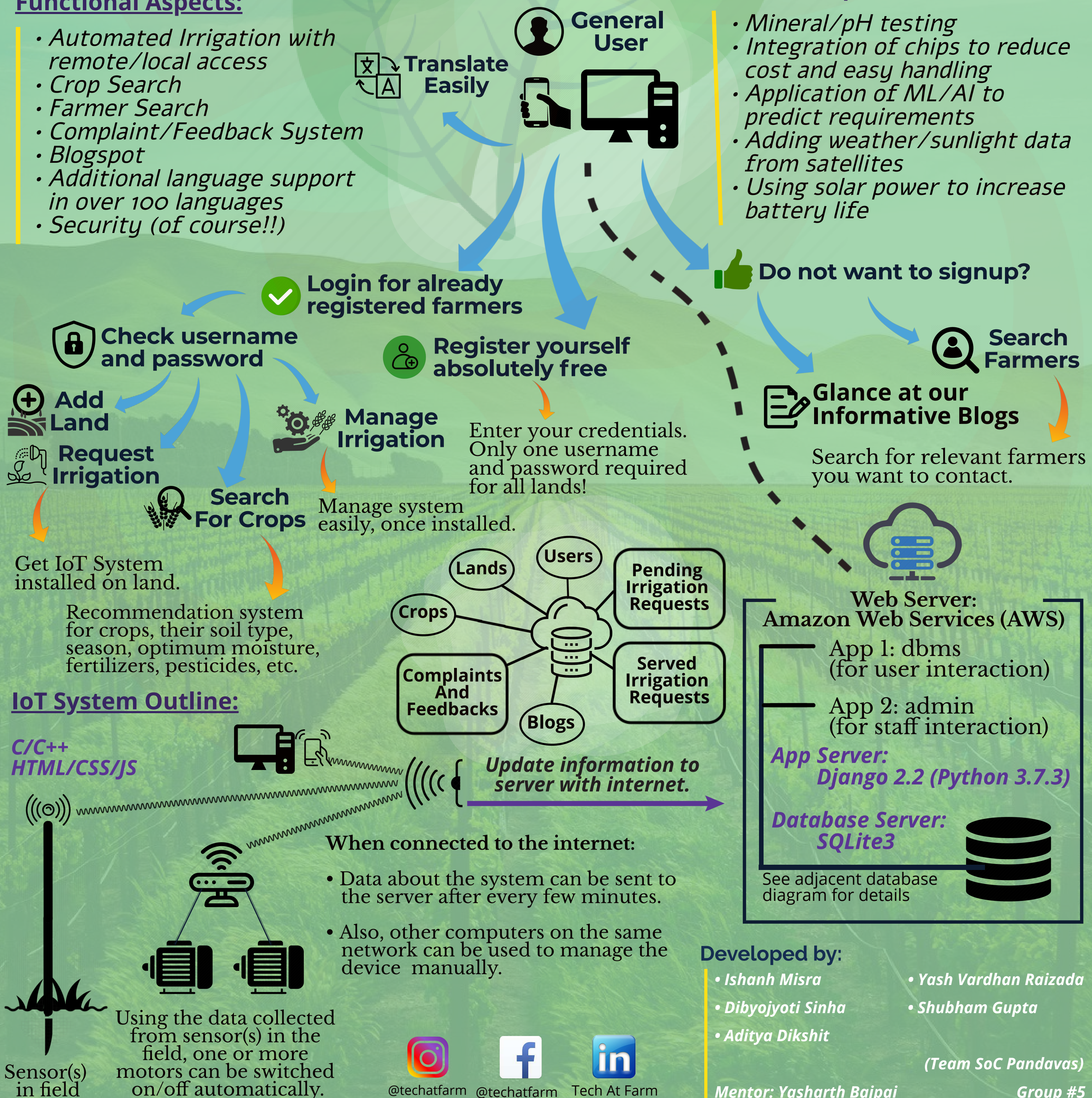
- Automated Irrigation with remote/local access
- Crop Search
- Farmer Search
- Complaint/Feedback System
- Blogspot
- Additional language support in over 100 languages
- Security (of course!!)

Translate Easily



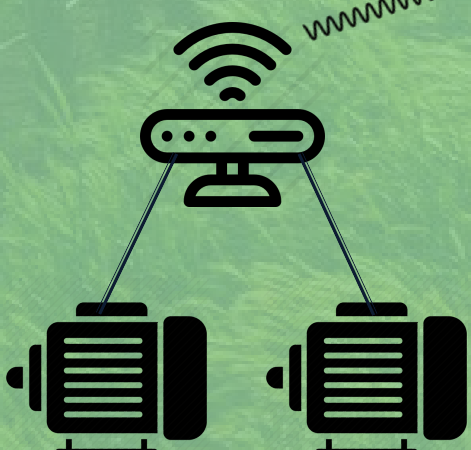
## Future Prospects:

- Mineral/pH testing
- Integration of chips to reduce cost and easy handling
- Application of ML/AI to predict requirements
- Adding weather/sunlight data from satellites
- Using solar power to increase battery life



## IoT System Outline:

C/C++  
HTML/CSS/JS



When connected to the internet:

- Data about the system can be sent to the server after every few minutes.
- Also, other computers on the same network can be used to manage the device manually.

## Developed by:

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