

# INTELLIGENT SENSING SYSTEM FOR CROP MANAGEMENT

By

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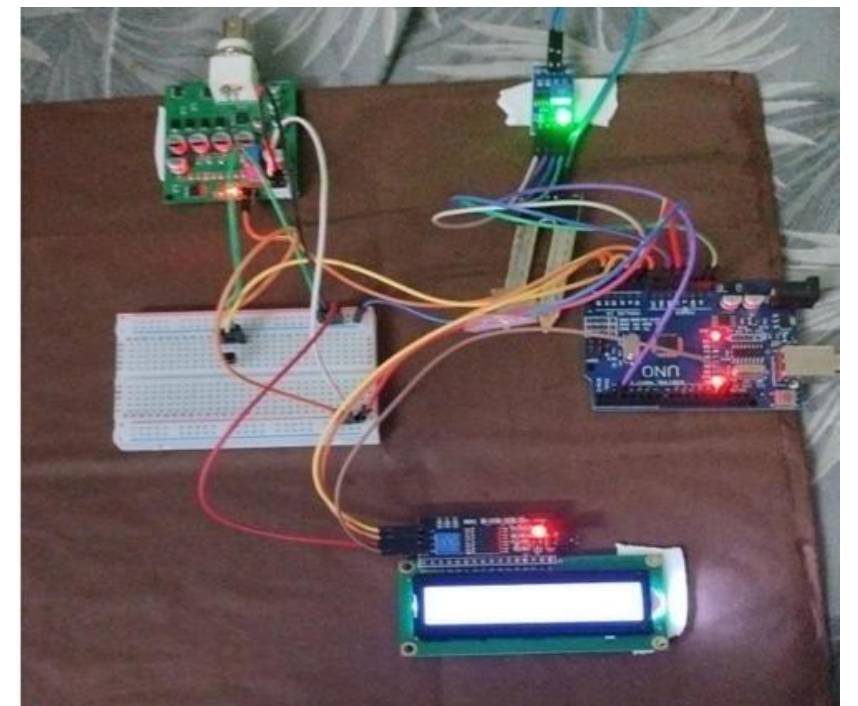
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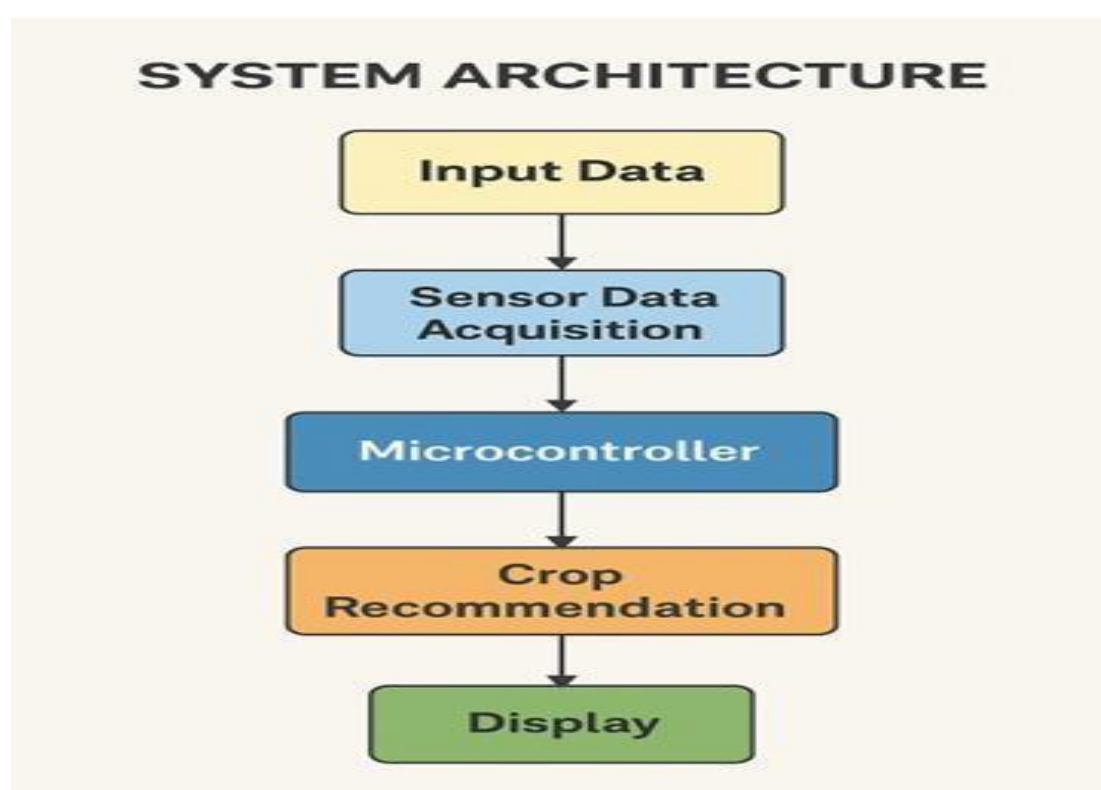
## OBJECTIVE

- ❑ Improve crop yield
- ❑ Cost-effective & user-friendly
- ❑ Minimize human effort
- ❑ Save water through smart irrigation
- ❑ Promote Smart Farming Adoption
- ❑ Improve Sustainability
- ❑ Enhance Crop Suitability Decisions
- ❑ Optimize Irrigation Scheduling
- ❑ Enable Real-time Monitoring.



Total Expenditure:2000 (INR)

## ARCHITECTURE DIAGRAM



## COMPONENTS REQUIRED

- Arduino UNO
- LM35 Temperature Sensor
- Soil Moisture Sensor
- pH Meter
- I2C LCD Display
- Breadboard & Jumper Wire

## CONCLUSION

- The current work illustrated the importance of smart agriculture on improving and increasing agricultural production in order to contribute to reducing the food demand gap. Concerning the use of an Intelligent system in agriculture, it can be used in many practices such as farm monitoring, irrigation, pest control, harvesting, etc. From this project we can infer that the intelligent sensing system can improve the yield, also the economy of the country.

## CIRCUIT DIAGRAM

