

Progress Presentation-II

e-Yantra Summer Internship-2016
FARM PRODUCE: LOGGING AND MONITORING

Bhavesb
Ankur

Mentors: Saurav
Parin
Vishwanathan

IIT Bombay

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Overview of Project

Progress
Presentation-II

Bhaves
Ankur

Saurav
Parin
Vishwanathan

Overview of
Project

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Overview of Task

Task Accomplished

Challenges Faced

Future Plans

Thank You

Details Of Project:

- NAME: Farm Produce:Logging And Monitoring
- OBJECTIVE: To help in manual record maintenance which is vulnerable to errors by providing a robust automated system.
- Deliverables
 - LCD
 - Keypad
 - Weighing platform
 - Interactive web page

Overview of Task

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| Week | Task | Deadline |
|-------|---|----------|
| Week1 | Raspberry Pi setup and load cell calibration | - |
| Week2 | Interfacing 16*2 LCD and 4*4 Keypad | - |
| Week3 | 1.Integration of Load cell, Keypad and LCD 2.Image capturing from camera and store it in a database using sql query 3.Inserting data into sql database using python | - |
| Week4 | 1.Integration of all the components 2.web interface showing the weight log and image | - |
| Week5 | 1.Adding features like charts and CSV download 2.Assembling the entire project with enclosure | 6 days |
| Week6 | Testing and documentation | 6 days |

Task Accomplished

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Completed Tasks

- Raspberry Pi setup and load cell calibration
- Interfacing 16*2 LCD and 4* Keypad
- Integration of load cell, Keypad and LCD
- Image capturing from camera and storing in database
- Inserting data into sql database using python
- Integration of all the components
- Web interface showing the weight log and image

Tasks Left

- Adding features like charts and CSV
- Assembling the entire project with enclosure
- Testing and documentation

Challenges Faced

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Future Plans

Thank You

- LOAD CELL: Calibration
- LCD: Clear screen
- KEYPAD: Debouncing

Future Plans

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Future Plans

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- In future, team is planning to replace LCD and Keypad by Touch screen.

Thank You

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THANK YOU !!!