**An Interaction Report on**

**“An Astute Irrigation System with Crop Management and Marketing”**

**Guided by:**

Dr. Raghunandan Shukla

Prof. Kalpana Wani

**Minutes of meeting:**

Date: Friday, August 3rd, 2018

Time: 11 am

Location: Tata Institute of Fundamental Research, Colaba.

**Meeting Objective:**

Discussion on installation of project and the work to be completed until the next scheduled meeting.

**Attendees:**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Department | Email | Phone |
| Yashshree Patil | IT | [patilyashshree7@gmail.com](mailto:patilyashshree7@gmail.com) | 9403515159 |
| Rashmi Pawar | IT | rashmipawar921@gmail.com | 8425948814 |
| Suraj Padhy | IT | surajprakash.padhy@gmail.com | 8369524142 |
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**Agenda and Notes:**

1. Work done so far: (Time: 45 min)

* Designing the PCB layout.
* Installation of Arduino IDE, board libraries for ESP8266 and implementation basic programs.

1. Tasks to be done before next meeting: (Time: 30 min)

* Study of datasheet of sensors and understand working and communication methods with the sensor. Study ADC datasheet. Protocol to be studied: 1-wire, I2C
* A complete demonstration of the working project. Should be able to compile and run last year’s project.
* Study pin configuration, components used to build MCU, specifications and wireless working of NodeMCU. Implement socket programming with NodeMCU. How serial monitor works ? Which protocol ?
* Improve placements in PCB and inclusion of ground plane on top and bottom layer. Increase clearance.

**Next meeting (If applicable):**

Date: August 10th, 2018

Time: 11am

Location: Tata Institute of Fundamental Research, Colaba .

**Submitted by:**

Rashmi Pawar, Suraj Padhy, Yashshree Patil, Lasya Vadapalli.

**Approved By: Sign:**