**Department of Electronics & Telecommunication Engineering**

**Accredited by NAAC with B++ and ISO 9001:2015 Certified Institute**

**Sant Gajanan Maharaj College of Engineering, Mahagaon**

Project Work Diary

**Academic Year:** 2023-24 **Semester:** VII/VIII

# Title of project

**“IoT based pesticides measuring and mixing system with electrostatic sprayer”**

# Name of Students:

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| **Roll No** | **Name of Students** | **PRN** | **Email ID** |
| 03 | Amey Rajendra Gunde | 2020080908 | argunde02@gmail.com |
| 12 | Sanket Basavraj Mutnale | 2020082096 | [mutnale03@gmail.com](mailto:mutnale03@gmail.com) |
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**Student Photographs:**



(**Amey R. Gunde) (Sanket B. Mutnale) (Aniket T. Takkekar)**

**Name of the Guide: Prof. S. R. Sankpal, Co-Ordinator: Prof. V. K. Salunkhe,**

# Name of the HOD: Prof. A.B. Farakte

# Date: 08/08/2023

* **Work Done: Week -1**
* During the first week of the project, we established our group, gathered potential project subjects, and sent them to the project coordinator.
* This month, the appropriate guides were assigned to each of our groups.
* **People Visited:** 1) Co-Ordinator: Prof. S. R. Sankpal

# Project Notes Prepared:

* After consulting with friends, three students organised a group and received confirmation from the project coordinator.

# Sign of Students:

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# Sign of Guide & Co-Ordinator:

# Sign of HOD:

* + **Date: 30 /09 /2023**

# Work Done: Week -2

* We have conducted searches for relevant material pertaining to certain project subjects.
* Discussion about the problem statement.
  + **People Visited:** 1) Guide: Prof. S. R. Sankpal

# Project Notes Prepared:

* After talking with the project guide, we began looking for problem statements in

real-world examples in accordance with the directions we had received.

# Sign of Students:

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* **Sign of Guide & Co-Ordinator:**

# Sign of HOD:

* + **Date:12/10/2022**

# Work Done: Week-3

* During the third week, we gathered data pertaining to the project subjects.
* Talk about choosing a final topic, from which one will be chosen following the project committee presentation. Conversation two subjects chosen for the undertaking.
* **People Visited**: 1) Guide: Prof. S. R. Sankpal

# Project Notes Prepared:

* + Emergency Break Light Flash
  + Automatic Headlight Control
  + A System of IOT Device to Prevent Under Loading / Overloading of Railway Wagons/ Truck

# Sign of Students:

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* **Sign of Guide & Co-Ordinator:**

# Sign of HOD:

* + **Date: 11 /11/2022**

# Work Done: Week-4

* This week, we gathered all the essential and comprehensive details

about the chosen concepts.

* Created presentation slides with the following points based on two topics:
* The project title's introduction

* + - * Block diagram
      * Working
      * Advantages
      * Applications
  + **People Visited:** 1) Guide: Prof. S. R. Sankpal

# Project Notes Prepared:

* Creating a PowerPoint presentation on the project subjects for delivery.

# Sign of Students:

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* **Sign of Guide & Co-Ordinator:**

# Sign of HOD:

* + **Date: 12/ 11 /2022**

# Work Done: Week-5

* + - * During the fifth week, each group member had their presentation

slides ready.

* + - * We conducted a session covering two topics, outlining their benefits,

advantages, and applications along with their block diagram.

* + **People Visited:** 1) Guide: Prof. S. R. Sankpal

2) Prof. S. R. Desai sir

3) Prof. A.B. Farakte

# Project Notes Prepared:

* + Project-related presentation.

# Sign of Students:

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* **Sign of Guide & Co-Ordinator:**

# Sign of Hod:

* + **Date: 18/11/2022**

# Work Done: Week-6

* The project title has been assigned to us by the sixth week guide.

The Project Title – **“**Adaptive headlight and emergency brake alert system”.

* + **People Visited**: 1) Guide: Prof. S. R. Sankpal

# Project Notes Prepared:

* Started Gathering the Necessary Data

# Sign of Students:

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* **Sign of Guide & Co-Ordinator:**

# Sign of HOD:

* + **Date: 16/12/2022**

# Work Done: Week-7

* + - Following the selection of our ultimate project title, we commenced

gathering all the essential data needed for our system.

* + Examined and discussed relevant IEEE papers and associated material

with a guide.

* + **People Visited: 1)** Guide: Prof. S. R. Sankpal

# Project Notes Prepared:

* Gathered data pertaining to the chosen subject.
* Investigated and deliberated on a thorough review of project-related material.

# Sign of Students:

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* **Sign of Guide &** **Co-Ordinator:**

# Sign of HOD:

* + **Date: 22/12/2022**

# Work Done: Week-8

* During the eighth week, we created a basic project plan on paper using

our project guide as assistance.

* + Designed a block diagram based on the requirements.
  + **People Visited**: 1) Guide: Prof. S. R. Sankpal

# Project Notes Prepared:

* + - Created Block Diagram**.**
    - Incubation submitted.

# Sign of Students:

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* **Sign of Guide &** **Co-Ordinator:**

# Sign of HOD:

* + **Date: 23/12/2022**

# Work Done: Week-9

* + During the ninth week, we comprehended and established the

overall project flow.

* + developed a flow chart for our project to be included in the summary.
  + **People Visited**: 1) Guide: Prof. S. R. Sankpal

# Project Notes Prepared:

* + Designed a block diagram and flowchart for the synopsis.

# Sign of Students:

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* **Sign of Guide & Co-Ordinator:**

# Sign of HOD:

* + **Date: 26/12/2022**

# Work Done: Week-10

* We have created a summary of our project in week ten and have kept a weekly

journal that documents all the work we have done preparing it.

* + **People Visited:** 1) Guide: Prof. S. R. Sankpal

# Project Notes Prepared:

* + prepared synopsis of project.

# Sign of Students:

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* **Sign of Guide & Co-Ordinator:**

# Sign of HOD:

* + **Date: 28/12/2023**

# Work Done: Week-11

* + - Synopsis submitted to the department.
  + **People Visited:** 1) Guide: Prof. S. R. Sankpal

2) Prof. V. K. Salunkhe

# 3) Prof. A.B. Farakte

# Project Notes Prepared:

* Once all signatures were obtained, we submitted our project overview

to the project coordinator.

# Sign of Students:

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* **Sign of Guide & Co-Ordinator:**

# Sign of HOD:

* + **Date: 18/02/2023**

# Work Done: Week-12

* We examined the recommended blueprint and commenced assembling

the components in compliance with the guidelines.

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* + **People Visited:** 1) Guide: Prof. S. R. Sankpal

# Project Notes Prepared:

* + - Component collection**.**

# Sign of Students:

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* **Sign of Guide & Co-Ordinator:**

# Sign of HOD:

* + **Date: 01/04/2023**

# Work Done: Week-13

* We proceeded with the implementation of the component in compliance

with the design after testing it.

* + **People Visited:** 1) Guide: Prof. S. R. Sankpal

# Sign of Students:

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* **Sign of Guide & Co-Ordinator:**

# Sign of HOD: