

Project Planning Phase

Project Milestone and Activity list

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| Date | 29 October 2022 |
| Team ID | PNT2022TMID21422 |
| Project Name | IoT Based Smart Crop Protection System for Agriculture |
| Maximum Marks | 8 Marks |

Project Milestone:

| S.No | Weeks | Milestones crossed |
|------|----------|---|
| 1. | 1 Week | <i>INFORMATION GATHERING</i> : Gather requirements and basic purpose of the project |
| 2. | 1-2 Week | <i>ASSIGNING</i> : Assigning tasks for each person and split the project work based on the technical and project requirements. |
| 3. | 2-3 Week | <i>DESIGNING</i> : Understanding the functional requirements of the project and creating architecture diagrams and flowchart. Creating the outer layer of UI design. |
| 4. | 3 Week | <i>CODING & TESTING</i> : Create Python code and web interface based on node red js and connect the IOT device by python scripts and report it in the web interface. |
| 5. | 4 Week | <i>FINAL RELEASE</i> : Publish the product into market after alpha and beta testing and customer feedback will be gathered to improve the project. |

Activity List:

| S.No | Activity Title | Activity Description | Duration |
|-------------|--|---|-----------------|
| 1. | Understanding the Project Requirement | Assign the team members & create the repository in github. Assign the task to each member and teach how to use and open access the GitHub and IBM Career Education. | 1 Week |
| 2. | Starting of Project | Advice students to attend classes of IBM portal , create and develop a rough diagram based on the project description and gather information of IOT and IBM project. | 1 week |
| 3. | Attending classes | Team members & team lead must watch and learn from classes provided by IBM and Nalaiya thiran and must gain access of MIT License for their project | 4 Week |
| 4. | Budgeting and knowing the scope of the project | Budget & analyze the use of IOT in the project and discuss with the team for budget prediction to predict the favorability of the customer to buy the product for efficient use of the product in the market. | 1 week |