Project Design Phase-I

Proposed Solution

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| Date | 09.10.2022 |
| Team ID | PNT2022TMID17579 |
| Project Name | Project - IoT Enabled Smart Farming Application |

Proposed Solution Template:

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| S.NO | PARAMETER | DESCRIPTION |
| 1. | Problem Statement (Problem to be solved) | To deal with humidity, climate change, and soil erosion. To satisfy the agricultural needs and expectations. To solve the Fear of investing in farm productivity. |
| 2. | Idea / Solution description | By using the Internet of Things, we can estimate the humidity and conditions. IoT in agriculture can be helpful in tracking soil temperature, soil moisture, and soil nutrients to enhance crop productivity. |
| 3. | Novelty / Uniqueness | By using the Internet of things, we can estimate the humidity and conditions. IoT in agriculture can be helpful in tracking soil temperature, soil moisture, and soil nutrients to enhance crop productivity. |
| 4. | Social Impact / Customer Satisfaction | Smart farming makes it possible to increase the quality and minimize the environmental effect. It should support livelihoods through food, habitat, and jobs and provide raw materials for food and other products. |
| 5. | Business Model (Revenue Model) | The smart farming devices are designed in such a way that should be profitable compared to traditional farming methods and the device should be reusable. The cost of the devices should be less compared to the cost required for traditional farming. Hence the product must be profitable it does not make losses in any cases |
| 6. | Scalability of the Solution | The ability of the devices to increase or decrease in performance and cost in response to changes in the application. The property of a device to handle a growing amount of work by adding resources to the system. |