**Project Design Phase-I**

**Proposed Solution Template**

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| Project Title | : | SmartFarmer - IoT Enabled Smart Farming Application |

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | **The challenges of a smart agriculture system include the integration of these sensors and tying the sensor data to the analytics driving automation and response activities.** |
|  | Idea / Solution description | **To create affordable IoT based smart agriculture system helps the farmer in monitoring different parameters of his field like soil moisture, temperature, and humidity using some sensors.** |
|  | Novelty / Uniqueness | **Various eminent researchers have been making efforts for smart farming by using IoT concepts in agriculture. But, a bouquet of unfolded challenges is still in a queue for their effective solution.** **IoT helps in better crop management, better resource management, cost efficient agriculture, improved quality and quantity , crop monitoring** |
|  | Social Impact / Customer Satisfaction | Consumer behaviour plays a major role in the Agriculture products segment. The marketers of agriculture products need to be innovative and dynamic in order to compete with the changing purchase behaviour in the Agriculture products market among urban residents. |
|  | Business Model (Revenue Model) |  |
|  | Scalability of the Solution | Scalability in smart farming refers to the adaptability of a system to increase the capacity, for example, the number of technology devices such as sensors and actuators, while enabling timely analysis .IoT technology provides a smart farming solution, enabling farmers to manage their fields remotely via smart gadgets. |