**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID33888 |
| Project Name | Project - FERTILIZER RECOMMENDATION SYSTEM FOR DISEASE PREDICTION |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | To detect the diseases in the plants at the early stages caused due to several pests and micro organisms and recommend fertilizers to prevent the crops from destruction. |
|  | Idea / Solution description | Categorizing the diseases of plants based on the pest. Dataset and images of the plant diseases are compared with a existing images using CNN algorithm. |
|  | Novelty / Uniqueness | Automatic detection of plant diseases using deep learning models. |
|  | Social Impact / Customer Satisfaction | Useful for farmers to detect the exact diseases of plants at the early stages and taking steps to treat the plants based on their diseases. |
|  | Business Model (Revenue Model) | Web application should be accessed by almost all farmers all over the world. Web application should be at low cost. |
|  | Scalability of the Solution | Based on the previous dataset the model can guess new diseases. |