**Project Design Phase-I**
**Proposed Solution**

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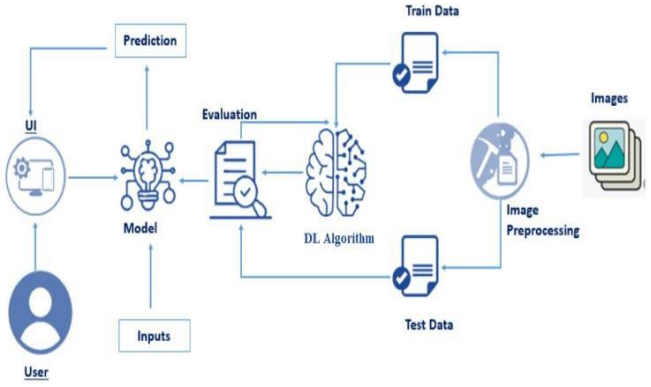
| Date | 24 September 2022 |
| Team ID | PNT2022TMID45468 |
| Project Name | Project – Fertilizers Recommendation System For Disease Prediction |
| Maximum Marks | 2 Marks |

**Proposed Solution:**

| S.No. | Parameter | Description |
|---|---|---|
| 1. | Problem Statement (Problem to be solved) | The analyzing phase of disease is complex, difficult to recommend fertilizer and it is a big task when proceeding in manual. This is a major constraint on the production and a major threat to food security. |
| 2. | Idea / Solution description | An automated system is introduced to identify different diseases on plants by checking the symptoms shown on the leaves of the plant. Deep learning techniques are used to identify the diseases and suggest the precautions that can be taken for those diseases.   |
| 3. | Novelty / Uniqueness | Implementing Deep learning technology into this system increases the efficiency of the software. |
| 4. | Social Impact / Customer Satisfaction | When everything in digital now, we can provide same digitalized way of approach. By using this automated system, they can easily identify the disease and their respective fertilizer. |
| 5. | Business Model (Revenue Model) | We can get paid to the users and we allow advertisements related to fertilizers in the revenue-based system. |
| 6. | Scalability of the Solution | Creating mobile app addition to web-based application. |