**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID52611 |
| Project Name | Detection of Parkinson’s disease using machine learning |
| 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 | To build a classification model to precisely detect the presence od Parkinson’s disease in a human being |
|  | Idea / Solution description | The principle idea is to work on images of spirals and waves of individuals with and without the disease. With this data set the machine learning model is trained to classify the given input which is an image and detect whether it belongs to an healthy individual or a person with the disease |
|  | Novelty / Uniqueness | Instead of building a model which is based on medical records and numbers, the proposed model uses images which is highly accurate and readily accessible |
|  | Social Impact / Customer Satisfaction | Cost of tests is highly reduced and these tests could be taken in a remote location without any medical supervision which makes it easy to use |
|  | Business Model (Revenue Model) | Each classification or a test could be charged with a small amount of money to submit and evaluate the result which would be affordable and profitable. |
|  | Scalability of the Solution | This model could easily be scalable and with new submissions from people all over the world the model’s accuracy could be greatly improved. |