

Project Design Phase-I
Proposed Solution Template

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID35649 |
| Project Name | Project - Visualizing and Predicting Heart Diseases with an Interactive Dash Board |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

| S.No. | Parameter | Description |
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| 1. | Problem Statement (Problem to be solved) | To analyse which patients are most likely to suffer from heart disease based on given parameters |
| 2. | Idea / Solution description | Creating an interactive dashboard so that people can easily understand whether they have a chance of getting heart disease. |
| 3. | Novelty / Uniqueness | Many tests are taken by doctors to detect presence of heart disease. The parameters used are often understood only by medical professional. During the analysis phase, data is extracted and better decisions can be made to diagnose a patient. |
| 4. | Social Impact / Customer Satisfaction | Using the power of data analytics, this method will develop awareness among people regarding the risks associated with heart disease as it gives them valuable insights. |
| 5. | Business Model (Revenue Model) | This project can be converted to an software kit, webpage or even an application which users can interact with. Hospitals could potentially use this for analysis and prediction of heart disease |
| 6. | Scalability of the Solution | Based on number of users, performance will vary. So, the application must be memory-efficient and dynamically allocate resources to ensure smooth performance. This is a lightweight application which can be embedded into other projects. |