Project Design Phase-I

Proposed Solution Template

Date	19 September 2022
Project Name	Project - Visualizing and Predicting Heart Diseases with an Interactive Dashboard

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Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Heart Disease is a major cause of mortality in modern society. Medical diagnosis is extremely important but it is a complicated task that should be performed accurately and efficiently. Cardiovascular diseases are difficult to detect due to several risk factors including blood pressure, cholesterol, and an abnormal pulse rate. Although there are many systems that can detect heart diseases and other related issues, a system that can monitor heart diseases accurately and gives user-friendly, understandable inferences is a need of the hour.
2.	Idea / Solution description	- Analyzing the history of patients records to reach accurate prediction results regarding heart diseases in an efficient manner - Making the user understand the implications with the help of an interactive, user-friendly dashboard - Complete help and guidance to help cure their disease
3.	Novelty / Uniqueness	- Complete end-end reliable system which predicts diseases accurately, gives an overall picture of the implications, help and guidance to cure the disease - User-friendly, accurate and a real-time system to solve every patient's need - From young adults to senior citizens, one touch solution to monitor their health
4.	Social Impact / Customer Satisfaction	- One can keep track of their own health and wellbeing - Conscious young adults and citizens who monitor their health periodically - This simple system can save many lives, help people prevent major health issues, guide them on how to cure the disease

5.	Business Model (Revenue Model)	• Generate revenue by selling dashboards to hospitals, diagnostics & clinical centers • Smartwatch companies can use this dashboard as an application
6.	Scalability of the Solution	IBM cloud can help scale the solution.