Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMIDxxxxxx
Project Name	Project - xxx
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Many individuals face the challenge of affording costly prenatal medical care, putting their babies' health at risk. To ensure the well-being of infants and alleviate the financial burden of extensive checkups, there is a pressing need for an affordable product capable of predicting fetal health.
2.	Idea / Solution description	Create a user-friendly web interface combined with machine learning algorithm trained on reliable data, for accurately predicting fetal health conditions.
3.	Novelty / Uniqueness	Building an optimal predictive model by rigorously testing various machine learning algorithms and ultimately crafting the most effective model from scratch. Creating an intuitive web interface using new technology for seamless accessibility.
4.	Social Impact / Customer Satisfaction	By developing a machine learning model that allows pregnant women to predict fetal health conditions from the comfort of their homes, we aim to provide a convenient and accessible solution for every community member, ensuring consistent and precise fetal health predictions. Additionally, this product can also be utilized by healthcare professionals to monitor fetal health effectively.
5.	Business Model (Revenue Model)	This product is primarily focused on the healthcare sector, and its accuracy and trustworthiness among the public can be significantly enhanced through collaborations with AI solution providers specializing in fetal health prediction. Such partnerships open doors for potential international expansion, particularly in regions with elevated rates of maternal and infant mortality.

6.	Scalability of the Solution	The fetal health predictor, built upon a machine learning model, attains heightened accuracy and robustness through extensive data and state-of-the-art machine learning algorithms. This assures not only scalability but also the seamless integration with both existing and forthcoming technologies, making it adaptable and future-proof.