Project Design Phase-I
Proposed Solution Template

Date	05 May 2023
Team ID	NM2023TMID08443
Project Name	Identifying Perinatal Health Risks using Machine Learning Techniques

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Identifying Perinatal Health Risks using Machine Learning Techniques
2.	Idea / Solution description	There are no definite ways to prevent many of the leading causes of Perinatal risks. However, there are ways to reduce the risk's. During Pregnancy, a mother should receive early and regular prenatal care. This type of care helps promote the best outcomes for mother and baby
3.	Novelty / Uniqueness	Unique Risk factors in the perinatal period include pregnancy-related complications, prematurity and low birth weight, and infection exposure during pregnancy or at time of birth.
4.	Social Impact / Customer Satisfaction	The loss of an expected child can be devastating and traumatizing for parents, placing them at risk for postloss mental health complications, such as complicated or traumatic grief
5.	Business Model (Revenue Model)	A marketing/business model using non-traditional Quality of Life measures was developed to assess perinatal health status on a micro-geographic level. The Perinatal Region is developing strategies to implement the media usage and consumer behavior marketing information to focus their prevention efforts to the high risk areas in the region based on the Quality of Life Measurements.
6.	Scalability of the Solution	Pregnancy is the most important phase in women's life. There is lot of concern to reduce maternal mortality and infant mortality. Not all birth defects can be prevented. But you can increase your chances of having a healthy baby by managing health conditions and by adopting healthy behavior before and during pregnancy.