Ideation Phase Define the Problem Statements

Date	15 May 2023			
Team ID	NM2023TMID09316			
Project Name	Perinatal health risk predictors using machine			
	learning			
Maximum Marks	2 Marks			

Problem Statement:

Perinatal health refer to the health of the mother and baby during pregnancy, childbirth, and the postpartum period.perinatal health risk can include complications during pregnancy and maternal and neonatal mortality.

Problem	l am	I'm trying to	But	Because	Which makes me feel
Statement (PS)	(Customer)				
PS-1	I am a researcher working on a project to develop a machine learning based perinatal health risk predictors.p erinatal health refer to the period before and after birth, including pregnancy, childbirth,a nd the postpartum period.	Develop a model that can predict perinatal health risk by analysing various factors such as maternal age, medical history, lifestyle habits, and fetal measuremen t.	Developin g such a model requires a large amount of data from the diverse sources including electronic health records, medical imaging, and patient questionn aires.	The complexity of the data also require sophisticate d machine learning techniques,s uch as deep learning and natural language processing,t o extrat meaning ful patterns and insights	All these challenges can make me feel over whelmed at times, but I am motivated by the potential impact of this project on improving perinatal health care outcomes.
PS-2	Identifying and predicting perinatal health risk can help health care provider measure and provide	The model should be able to identify the potential risks such as preterm labor, preeclampsia, gestational	This makes data collection and cleaning a challengi ng task,as the data may be	This can be time consuming and computation al intensive process , which requires a high level of	

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appropria	te diabetes,and	incomplet	expertise in	
care to	the fetal	e,	both	
ensure the	e growth	inconsiste	machine	
best	restrictions.	nt,or	learning and	
possible		contain	perinatal	
outcomes		errors.	health.	
for both				
mother ar	nd			
baby				