Project Development Phase
Performance Test

Date	20 May 2023
Team ID	NM2023TMID15450
Project Name	Identifying Perinatal Health Risks using Machine Learning Technique

Model Performance Testing:

Project team shall fill the following information in the performance testing template.

S.No.	Parameter	Screenshot / Values
1.	Dashboard design	The dashboard will benefit healthcare providers by providing them with a comprehensive view of the perinatal health risks for a particular woman. This information can be used to make better decisions about how to care for women who are at risk of perinatal health problems.
2.	Data Responsiveness	The data responsiveness of identifying perinatal health risks using machine learning technique is the extent to which the machine learning algorithm is able to identify perinatal health risks based on the data that is available. The more responsive the algorithm is to the data, the more accurate it will be at identifying perinatal health risks.
3.	Utilization of Data Filters	By using data filters, healthcare providers can improve the accuracy of machine learning algorithms for identifying perinatal health risks. This can help to improve the identification and care of women who are at risk of perinatal health problems.
4.	Effective User Story	Here is an effective user story of identifying perinatal health risks using machine learning technique: • As a healthcare provider • I want to be able to identify perinatal health risks • So that I can provide early intervention and care to women who are at risk

5.	Descriptive Reports	The study found that the machine learning algorithm was able to identify women who were at risk of preterm birth even if they did not have any of the traditional risk factors, such as a low-lying placenta or a history of preterm birth. This suggests that the machine learning algorithm could be used to identify women who are at risk of preterm birth who would otherwise not be identified.