Project Design Phase-I

Proposed Solution

Date	12 November 2023
Team ID	Team-591794
Project Name	USING MACHINE LEARNING TO PREDICT AND MONITOR FETAL HEALTH.
Maximum Marks	2 Marks

Proposed Solution :

S.No	Parameter	Description
1	Problem Statement(Problem to be Solved)	Develop a model for predicting the health of fetus through CTG data and classify into distinct diagnostic categories, aiming to decrease the death rate of preborn babies by better monitoring.
2	Idea/Solution Description	Develop a Machine Learning model for the prediction of Fetal Health based CTG data into different diagnostic categories. Using Random Forest as the base classifier

3	Novelty/Uniqueness	□ Although Image data is widely used in classifying Fetal Health, tabulated dataset with accurate cell information gives us a better diagnosis .
4	Social Impact/Customer Satisfaction	□ The percentage for incorrect diagnosis is quite less when compared with other existing classification methods. □ Speedy and precise results
5	Business Model(Revenue Model)	□ Collaboration with Health care and diagnostic centres
6	Scalability of the Solution	□ Proposed solution is platform independent and can easily be integrated with any cloud based solution to scale at any order.