Data Collection and Preprocessing Phase

Date	10 JULY 2024
Team ID	FACULTY
Project Title	Fetal AI: Using Machine Learning To Predict And Monitor Fetal Health.
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification Template

Elevate your data strategy with the Data Collection plan and the Raw Data Sources report, ensuring meticulous data cu-ration and integrity for informed decision-making in every analysis and decision-making endeavor.

Data Collection Plan Template

Section	Description
Project Overview	Fetal health refers to the well-being and development of a fetus during pregnancy.Using Machine Learning to predict and monitor fetal health. By analyzing various data points, Medical Images, Lab Results, Predictive modeling, Patient Information,Pattern recognition,Fetal Monitoring.
Data Collection Plan	In this project we have used .csv data. This data is downloaded from kaggle.com.
Raw Data Sources Identified	baseline value, accelerations,fetal_movement, uterine_contractions, 'light_decelerations,severe_decelerations,prolongued_decelerations, abnormal_short_term_variability,mean_value_of_short_term_variability', percentage_of_time_with_abnormal_long_term_variability,

	mean_value_of_long_term_variability, histogram_width,histogram_min,histogram_max, histogram_number_of_peaks, histogram_number_of_zeroes,histogram_mode, histogram_median, histogram_variance, histogram_tendency,Fetal_health] This data appears to be related to fetal health monitoring, with various variables capturing characteristics of fetal heart rate and movement. The datasets likely aims to support classification or prediction of fetal health status, enabling healthcare professionals to make informed decisions.

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Kaggle Datasets	This data appears to be related to fetal health monitoring, with various variables capturing characteristics of fetal heart rate and movement. The dataset likely aims to support	Kaggle Datasets Link:https://www.kaggle.com/datasets/andrewmvd/fetal-health-classification	CSV	228.72 KB	Public

	classification or prediction of fetal health status, enabling healthcare professionals to make informed decisions.				