Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	19 November 2023
Team ID	Team-591602
Project Name	FetalAI: USING MACHINE LEARNING TO PREDICT AND MONITOR FETAL HEALTH
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table

Title: FetalAI: USING MACHINE LEARNING TO PREDICT AND MONITOR FETAL HEALTH
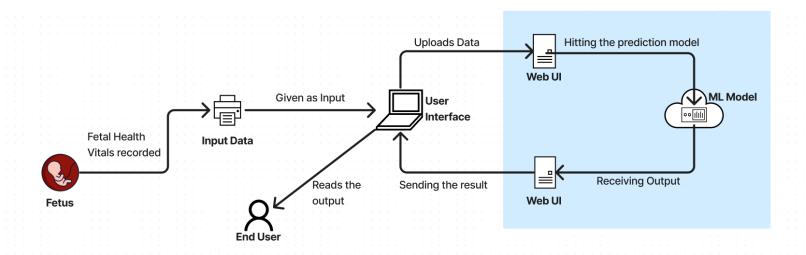
Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	User interacts with application through Web UI.	HTML, CSS, JavaScript
2.	Data Collection	Collection of the input data from the web interface. The user needs to provide information regarding various parameters of the present condition of the foetus.	Python
3.	Model prediction	The input values are hit to the pre trained pickle model and output is collected.	Python-Pickle,Flask
4.	Result	Displaying the collected output on the web interface about the heath of the fetus and displaying any precautions required.	HTML, CSS, JavaScript
5.	Machine Learning Model	Predict and monitor fetal health based on the present condition of the fetus.	Gradient Boosting Classifier Model

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask	Python