

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

Project Name	FetalAI: USING MACHINE LEARNING TO PREDICT AND MONITOR FETAL HEALTH
Maximum Marks	4 Marks

Technical Architecture:

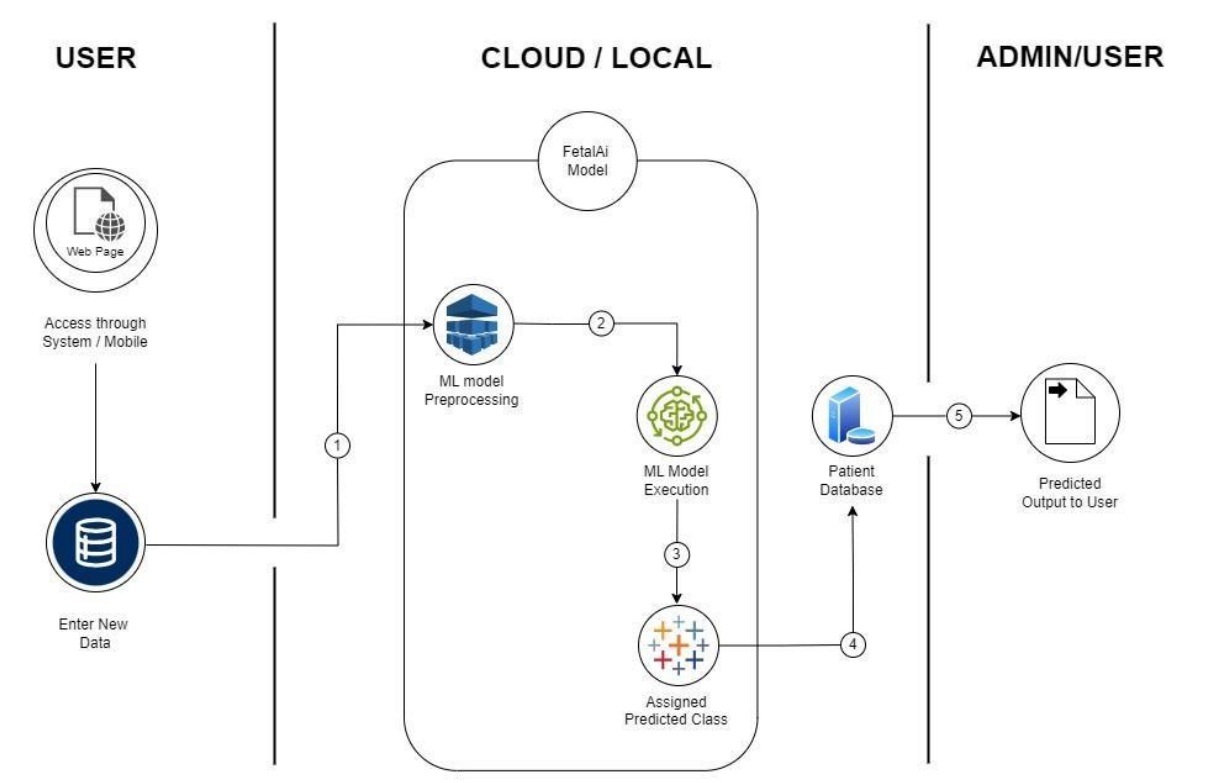


Table-1: Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	User Interacts with webpage UI through system or mobile device	HTML, CSS, JavaScript
2.	User Explorers the FetalAI Webpage	Explore pages (about us, contact us, Analyse, Home page)	HTML, CSS, JavaScript
3.	User fill the Analyse form to do prediction	Fill new data for prediction	HTML form
4.	Machine Learning Model	ML model used for prediction fetal health	Random Forest
5.	Database	Predicted value is saved into patient's database	MySQL
6.	Infrastructure	Application deployment on local system	Local

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-source Frameworks	Bootstrap, Python Library	Python, HTML, CSS, JavaScript
2.	Availability	Very low load on the webpage	Simple HTML Page
3.	Performance	Responsive webpage to work on mobile and laptop seamlessly	Responsive CSS coding
4.	Scalable Architecture	Number of input field can be increased by altering ML model	ML Modelling