Project Design Phase-I
Solution Architecture

Date	1 November 2023
Team ID	Team-592006
Project Name	FetalAI: USING MACHINE LEARNING TO PREDICT AND MONITOR FETAL HEALTH
Maximum Marks	2 Marks

Solution Architecture:

This system utilizes Convolutional Neural Networks (CNNs) to enhance fetal health monitoring by providing real-time classification. By leveraging the power of CNNs, it improves both the accuracy and efficiency of the monitoring process, ensuring the well-being of the fetus and promoting a more positive pregnancy experience for expectant mothers. Furthermore, the incorporation of a continuous learning loop enables the system to adapt to new data and evolving patterns, maintaining a high classification accuracy over time. In summary, this innovation has the potential to revolutionize fetal health monitoring, making it more reliable and reassuring for mothers during their pregnancy journey.

Our solution leverages Convolutional Neural Networks (CNNs) to address the Fetal Health Monitoring problem effectively.

- Data Gathering
- Data Preprocessing
- Model Building
- Fetal Health Prediction
- Real Time Analysis

Solution Architecture Diagram