

Project Design Phase-I
Solution Architecture

Date	11 November 2023
Team ID	Team-591794
Project Name	USING MACHINE LEARNING TO PREDICT AND MONITER FETAL HEALTH.
Max marks	5 marks

Solution Architecture

The basic architecture of the proposed solution revolves around the fundamental machine building using Machine Learning Algorithm, which is Random Forest in our project.

Building blocks

- ☐ Data Set
- ☐ Model (Built using scikit Learn library (Python))
- ☐ Front-End interface
- ☐ Back-End support (To host the application)

Work Flow

- ☐ Collect the data
- ☐ Data Preprocessing
- ☐ Splitting the data into
 - ☐ Train Data
 - ☐ Test Data
 - ☐ Validation Data

- ☐ Initializing the model
- ☐ Training the model
- ☐ Testing the model
- ☐ Saving the model
- ☐ Integrating Flask with the ML model
- ☐ Hosting the application

