Project Design Phase-I
Solution Architecture

Date	2 October 2022
Team ID	PNT2022TMID07752
Project Name	A Gesture-based Tool for Sterile Browsing of Radiology Images.
Maximum Marks	4 Marks

Solution Architecture:

The Architecture of "A Gesture-based Tool for Sterile Browsing of Radiology Images" is given

below:

- Data Collection.
  Collect the dataset or create the dataset
- Data Pre processing
  Import the ImageDataGenerator library

  Configure ImageDataGenerator class
  Apply ImageDataGenerator functionality to Trainset and Test set
- Model Building
  Import the model building Libraries

  Initializing the model

  Adding Input Layer

  Adding Hidden Layer

  Adding Output Layer

  Configure the Learning Process

  Training and testing the model

  Save the Model
- Application Building
  Create an HTML file
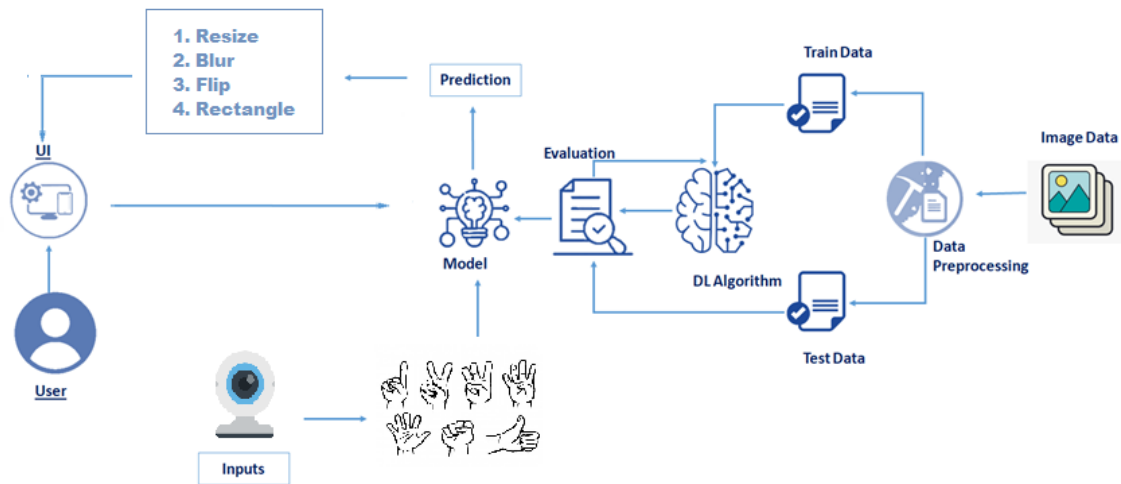
  Build Python Code

Solution Architecture Diagram:

Figure 1: Architecture and data flow of the A Gesture-based Tool for Sterile Browsing of Radiology Images

Reference: https://smartinternz.com/guided-project/a-gesture-based-tool-for-sterile-browsing-of-radiology-images-cnn-and-open-cv