1. **What specific questions/problems you will work on for deliverable 1? For ongoing software projects, this should be a list of specific issues (filed in your GitHub repository) that you plan to address. For AI projects, this should include getting access to the data (or tools you will be using), and understanding this data (or tools).**

Step 1: Collection of Dataset

The dataset is an open-source dataset that is available on Kaggle. It is a binary classification dataset.

Step 2: Data Pre-Processing

This step would mainly include the conversion of the image channels (BGRtoGray using OpenCV).

Step 3: Data Visualization

Using Matplotlib visualize a few images from both the classes of the dataset to familiarize ourselves with what kind of data we will be working on.

The tools that we would be looking to use to perform these tasks are NumPY, PIL, OpenCV, Matplotlib, etc.

2. **How will you demonstrate your success at the end of deliverable 1. You will be required to submit a video demonstrating your progress. Your demonstration should be tangible (not just a verbal description of what you learned), showing that you are one step closer to your project goal.**

We could demonstrate the results obtained from deliverable one through a video recording of the notebook with all the results obtained from running the code. It would most likely be a video of the code run on Google Colab or Jupyter Notebook if we get CUDA running on our GPUs.

Colab and Jupyter give us the ability to explain our code through text blocks, which can be placed before our code blocks thus increasing the readability of the code.