**NAME:**

**Instructions:**

**Steps to Perform this Project:**

1. **Access Google Teachable Machine:**
   * Open your web browser and go to [Google Teachable Machine](https://teachablemachine.withgoogle.com/train/image).
   * Click on the "Get Started" button to create a new image project.
2. **Collect and Upload Images:**
   * In Teachable Machine, create two classes, one for apples and one for bananas.
   * Gather data from Webcam at least 50 sample images of apples and 50 sample images of bananas.
   * Upload your samples to the appropriate class.
   * You can also follow this Youtube tutorial : <https://youtu.be/PBK5moNYQS8?si=iiSdXG-MmreFqhwh>
3. **Train the Model:**
   * After uploading your images, click on the "Train Model" button.
   * Wait for the training process to complete, which may take a few minutes depending on the number of images.
4. **Test and Evaluate the Model:**
   * Display new sample input of apples and bananas through the webcam to see if the model correctly identifies the fruits.
   * Check the accuracy of the model, which will be displayed once training is finished.
   * Take a screenshot of the model's accuracy and predictions.
5. **Submit Your Work:**
   * Save the screenshot showing your model's accuracy.
   * Share the model link generated by Teachable Machine with your instructor.
   * Submit both the screenshot and the model link as your assignment.

**Software link -** <https://teachablemachine.withgoogle.com/>

**YouTube Tutorial-**<https://youtu.be/PBK5moNYQS8?si=iiSdXG-MmreFqhwh>

**Problem Statement:**

Develop an image classification model using Google Teachable Machine to differentiate between images of apples and bananas. The goal is to train a model that can accurately identify whether an image contains an apple or a banana based on a dataset of labeled images using Webcam. This project will guide you through the steps of collecting images, training the model, and evaluating its performance.

Model Link:

Screenshots