Project Development Phase

Sprint - 3

Date	19-11-2022
Team ID	PNT2022TMID30648
Project Title	Real-Time Communication System Powered by AI for Specially Abled

Creating flask app:

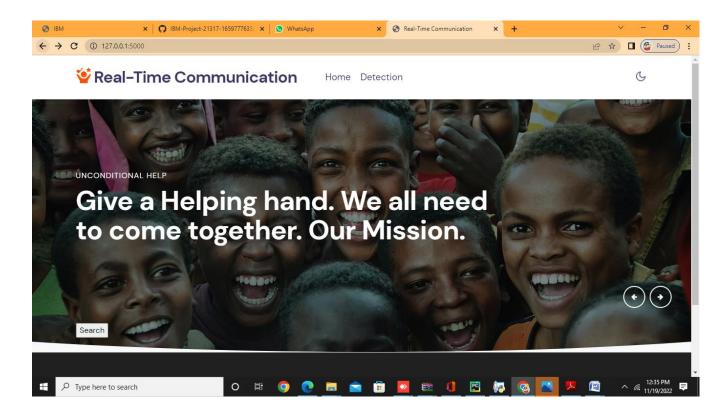
- 1. Main Flask app:
 - a. Create a flask app.
 - from flask import Flask ,render_template,Response,jsonify
 - b. Adding required functions to render the templates.

```
@app.route("/label") #for label
def label_text():
   index=opencv.get_frame()[1]
   dataset=trainlist.dataset
   dataset.append("-")
label=dataset[index]
   return jsonify(label)
@app.route("/home") #for home page
def index():
   opencv.cap.release()
   return render_template('index.html')
@app.route("/translate") #for translation
def translate():
   opency.cap=opency.cv.VideoCapture(0)
   txt=label_text()
   return render_template('video_out.html',txt=txt.json)
def gen_vid():
   global video_camera
   global global_frame
       frame =opencv.get_frame()[0]
       if frame != None:
          global_frame = frame
                b'Content-Type: image/jpeg\r\n\r\n' + frame + b'\r\n\r\n')
          yield (b'--frame\r\n'
                         b'Content-Type: image/jpeg\r\n\r\n' + global_frame + b'\r\n\r\n')
@app.route("/video") # Video page
def video():
```

c. Run the app.py (Flask App). (Project) PS C:\Users\mythili\Documents\PROGRAMMING\Project> & c:\Users\mythili\Documents\PROGRAMMING\Project/Scripts\python.exe c:\Users\mythili\Documents\PROGRAMMING\Project\app.py

OUTPUT:

Main Page:



Video translate Page (for Normal persons to understand Specially abled person):

