Here is how you need to setup ngrok on your raspberry pi

1. **Install ngrok on your Raspberry Pi:**
   wget https://bin.equinox.io/linux/arm/ngrok-stable-linux-arm.zip
   unzip ngrok-stable-linux-arm.zip
2. **Connect your ngrok Account (Optional but Recommended):**
- **Sign Up:** Go to the ngrok website (https://ngrok.com/) and sign up for a free account.
- **Get Authtoken:** Once logged in, navigate to your dashboard. On the left sidebar, click on "Your Authtoken." Copy this authtoken.
- **Connect on Raspberry Pi:** In your Raspberry Pi terminal, run the following command, replacing <YOUR_AUTHTOKEN> with the authtoken you copied:
   ./ngrok authtoken <YOUR_AUTHTOKEN>
3. **Run ngrok to expose your Flask server's port (8080 in your case):**
   ./ngrok http 8080
4. **Observe the Output: ngrok will start and display information in the terminal. Look for the lines that say:**
   Session Status: online
   Account: Your Name (plan: free)
   Version: x.x.x
   Region: us (United States)
   Web Interface: http://127.0.0.1:4040
   Forwarding: http://<random_id>.ngrok.io -> http://localhost:8080
   Forwarding: https://<another_random_id>.ngrok.io -> http://localhost:8080
5. **Note the Public URL:** ngrok will provide you with a temporary public URL (something like https://your_random_id.ngrok.io). **Keep this URL handy.**
6. **Access the Video Feed in Google Colab:** You can now use this ngrok URL within an <iframe> in your Google Colab notebook to display the live video stream.
   # Replace with the ngrok URL you obtained
   ngrok_url = 'https://your_random_id.ngrok.io'
   video_feed_url = f'{ngrok_url}/video_feed'