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Parcial 1 Percepción Robótica

Implementación Detector de personas

Implementación Filtro CKF

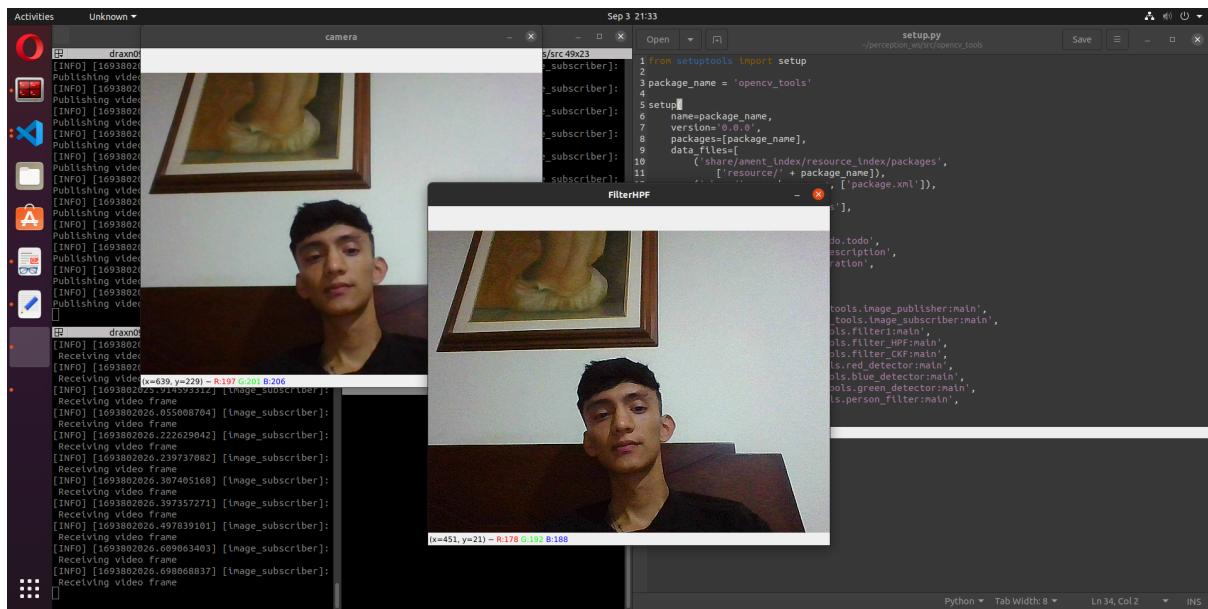
The screenshot shows a terminal window with several tabs open. The active tab displays ROS log messages from a node named 'draxn09@ubuntu'. The log entries are as follows:

```
[INFO] [1693802177.014020334] [image_publisher]: draxn09@ubuntu
[INFO] [1693802177.114131237] [image_publisher]: draxn09@ubuntu
[INFO] [1693802177.214500230] [image_publisher]: draxn09@ubuntu
[INFO] [1693802177.314426514] [image_publisher]: draxn09@ubuntu
[INFO] [1693802177.414426514] [image_publisher]: draxn09@ubuntu
[INFO] [1693802177.515915433] [image_publisher]: draxn09@ubuntu
[INFO] [1693802177.614274521] [image_publisher]: draxn09@ubuntu
[INFO] [1693802177.715173763] [image_publisher]: draxn09@ubuntu
[INFO] [1693802177.815736988] [image_publisher]: draxn09@ubuntu
[INFO] [1693802177.915635534] [image_publisher]: draxn09@ubuntu
[INFO] [1693802178.015635534] [image_publisher]: draxn09@ubuntu
[INFO] [1693802178.115858490] [image_publisher]: draxn09@ubuntu
[INFO] [1693802178.213151243] [image_publisher]: draxn09@ubuntu
[INFO] [1693802178.313368293] [image_publisher]: draxn09@ubuntu
[INFO] [1693802178.413850919] [image_publisher]: draxn09@ubuntu
[INFO] [1693802178.513853728] [image_publisher]: draxn09@ubuntu
[INFO] [1693802178.613853728] [image_publisher]: draxn09@ubuntu
[INFO] [1693802178.714661232] [image_publisher]: draxn09@ubuntu
[INFO] [1693802178.813245990] [image_publisher]: draxn09@ubuntu
[INFO] [1693802178.914116881] [image_publisher]: draxn09@ubuntu
[INFO] [1693802179.013455855] [image_publisher]: draxn09@ubuntu
[INFO] [1693802179.113372922] [image_publisher]: draxn09@ubuntu

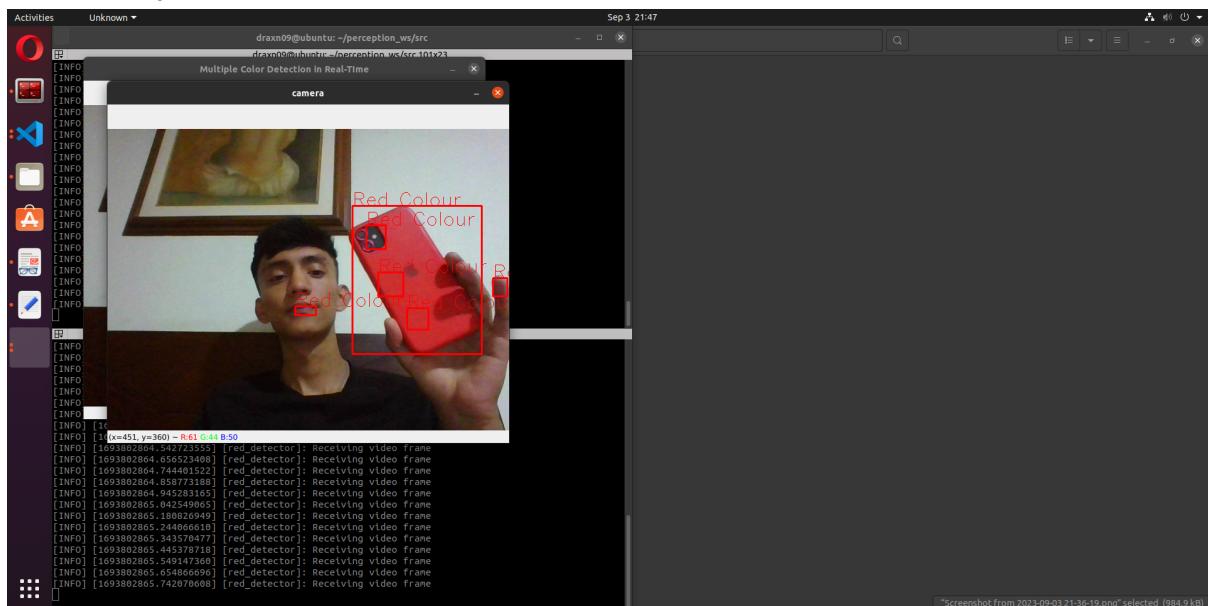
[INFO] [1693802177.053583431] [image_subscriber]: draxn09@ubuntu
[INFO] [1693802177.154809586] [image_subscriber]: draxn09@ubuntu
[INFO] [1693802177.228524802] [image_subscriber]: draxn09@ubuntu
[INFO] [1693802177.316439383] [image_subscriber]: draxn09@ubuntu
[INFO] [1693802177.417305749] [image_subscriber]: Receiving video frame
[INFO] [1693802177.518746191] [image_subscriber]: Receiving video frame
[INFO] [1693802177.619752157] [image_subscriber]: Receiving video frame
[INFO] [1693802177.719919882] [image_subscriber]: Receiving video frame
[INFO] [1693802177.920062584] [image_subscriber]: Receiving video frame
[INFO] [1693802177.929604066] [image_subscriber]: Receiving video frame
[INFO] [1693802178.012686088] [image_subscriber]: Receiving video frame
[INFO] [1693802178.112686088] [image_subscriber]: Receiving video frame
[INFO] [1693802178.205831517] [image_subscriber]: Receiving video frame
[INFO] [1693802178.315940791] [image_subscriber]: Receiving video frame
[INFO] [1693802178.417307011] [image_subscriber]: Receiving video frame
[INFO] [1693802178.518178195] [image_subscriber]: Receiving video frame
[INFO] [1693802178.618178195] [image_subscriber]: Receiving video frame
[INFO] [1693802178.718178195] [image_subscriber]: Receiving video frame
[INFO] [1693802178.818178195] [image_subscriber]: Receiving video frame
[INFO] [1693802178.918178195] [image_subscriber]: Receiving video frame
[INFO] [1693802178.927236542] [image_subscriber]: Receiving video frame
[INFO] [1693802178.937236542] [image_subscriber]: Receiving video frame
[INFO] [1693802179.017096157] [image_subscriber]: Receiving video frame
[INFO] [1693802179.115769007] [image_subscriber]: Receiving video frame
```

Below the terminal, a Python script titled 'setup.py' is visible, which includes imports for 'setup' and 'opencv_tools', and defines a class 'FilterCKF'.

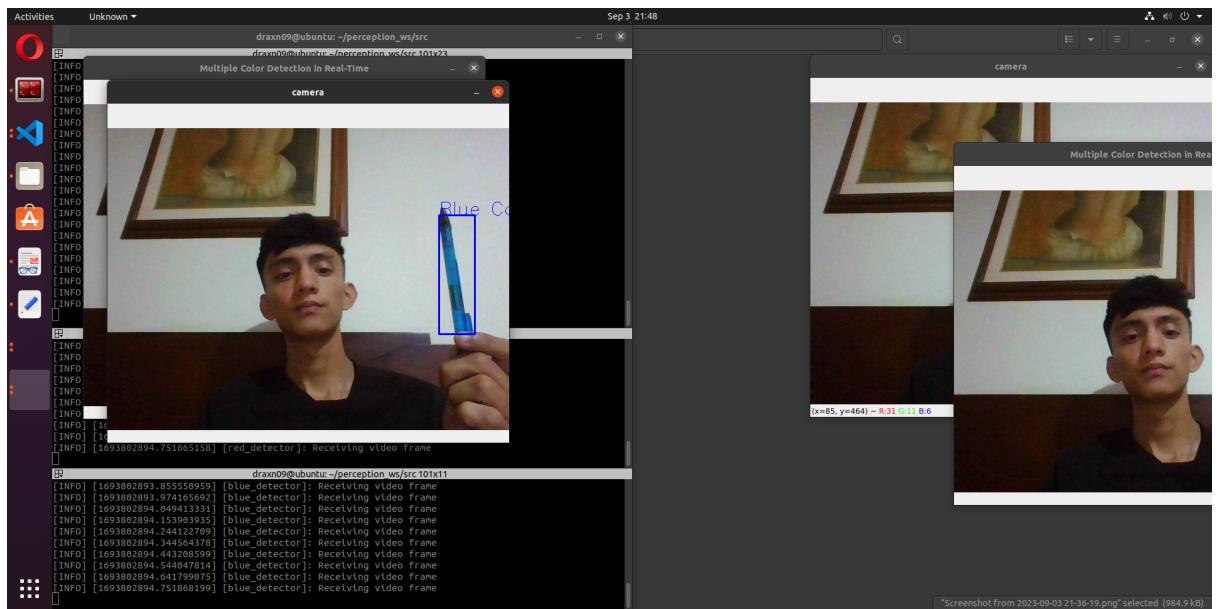
Implementación Filtro HPF



Detector Rojo



Detector Azul



Detector Verde

