Webcam ROS driver

We are going to use webcams to test the LSD SLAM algorithm. Therefore, we need a ROS driver that puts the images on a ROS topic. We will use gscam for this.

- Clone the gscam driver in your ROS workspace:

  cd ~/simulation/ros_catkin_ws/src
  git clone https://github.com/ros-drivers/gscam.git

- Build the gscam ROS driver:

  cd ~/simulation/ros_catkin_ws
  catkin_make --pkg gscam

- LSD SLAM works best with an image resolution of 640x480. As we use a Full HD webcam, we have to downsample the image when we run gscam. For this purpose, go to *Code/ros_catkin_ws/src/gscam/launch* in this portfolio and copy the **gscam_640_480.launch** file to *~/simulation/ros_catkin_ws/src/gscam/launch*