* **Start EIDOR and start simulating in parallel, run sample code on the default circular shape – By 15th - DONE**
* **Learn how to use Robotic Gripper and set it up - By 16th - DONE**
* **CAD Gripper mount design and print – Take measurements by 16th - DONE**
* **Make a presentation – 29th**
* **Build Sensors, - Done by 23rd** 
  + **add material to PCB**
  + **mount to gripper**
* **Gripper Shape in Simulation (4mm spacing with 2mm diameters) - Done By 19th**
* **Do analytical estimate of grippers response to torque – Done by 20th**
* **Interfacing to MATLAB and get first signal from sensors - Done by 28th**
* **Compare simulation with real world results – Done by 30th**
* **Make mould for mould lol**

**EIDOR:**

[**https://eidors3d.sourceforge.net/tutorial/EIDORS\_basics/one\_line.shtml**](https://eidors3d.sourceforge.net/tutorial/EIDORS_basics/one_line.shtml)

[**https://eidors3d.sourceforge.net/doc/index.html?eidors/eidors\_startup.html**](https://eidors3d.sourceforge.net/doc/index.html?eidors/eidors_startup.html)

**ROBOT GRIPPER:**

[**https://assets.omron.eu/downloads/manual/en/v4/robotiq\_2f-85\_2f-140\_for\_omron\_tm\_seriesrobots\_instruction\_manual\_en.pdf**](https://assets.omron.eu/downloads/manual/en/v4/robotiq_2f-85_2f-140_for_omron_tm_seriesrobots_instruction_manual_en.pdf)

[https://github.com/castetsb/pyRobotiqGripper](https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fgithub.com%2Fcastetsb%2FpyRobotiqGripper&data=05%7C02%7Cdt518%40cam.ac.uk%7C30f15eb4b61641c3bb2808dcedeca267%7C49a50445bdfa4b79ade3547b4f3986e9%7C1%7C0%7C638646847796631972%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=WrJ50OIIyooIohOOeXeZoXA4%2BybbaFgSfQtHW8vn1rU%3D&reserved=0)

**GRIPPER MOUNT:**

**Dimensions for Gripper Heads:**

**26.88mm x 7.74mm x 65.29mm (Measured)**

**27mm x 6.35mm x 65.5mm (Datasheet)**

**SENSORS:**

**PCB Dimensions:**

**48.27 x 73.07 x 1.58 (Outer Rectangle)**

**22.90 x 30.50 x 1.58 (Inner Rectangle)**

**12.70 x 10.16 x 32.41 (Gaps from edge of inner to outer rectangle)**

**3mm x 2.54mm (Sensor Pads)**

**4mmx5mm (1st Header Pin from right)**