

# MEETING MINUTES

## Topic: EGR 486C Team Meeting

Date: Monday, November 19, 2018

Time: 6:45 pm - 7:30 pm

Location: Engineering Building

Minutes recorded by Nestor Rodriguez

Meeting called by Dr. Trevas

Attendees: All group members

Table 1. Record of meeting.

<p><b>6:45 pm to 6:48pm</b></p>	<p><b>Item 1</b></p> <ul style="list-style-type: none"> <li>● Discuss high cost of hydraulics</li> <li>● Discuss utilizing stepper motor ran off of hydraulics             <ul style="list-style-type: none"> <li>○ Possible</li> <li>○ Utilize to replace strain gauges</li> <li>○ Would be good for replacing all measuring devices</li> </ul> </li> <li>● Discuss additions to hydraulics             <ul style="list-style-type: none"> <li>○ Utilize pressure safety valve</li> <li>○ Utilize pressure control valve</li> <li>○ Do not machine rams, try buying/modifying bottle jacks to accept a pump                 <ul style="list-style-type: none"> <li>▪ These cost from \$20-\$150</li> </ul> </li> </ul> </li> </ul>	<p>EGR Building</p>
<p><b>6:48 pm to 7:00pm</b></p>	<p><b>Item 2</b></p> <ul style="list-style-type: none"> <li>● Discuss method of force application             <ul style="list-style-type: none"> <li>○ Torque transfer                 <ul style="list-style-type: none"> <li>■ Utilize Rotary actuators</li> <li>■ Use this site:  <a href="https://www.hydraulicspneumatics.com/200/FPE/MotorsActuators/Article/False/6426/FPE-MotorsActuators">https://www.hydraulicspneumatics.com/200/FPE/MotorsActuators/Article/False/6426/FPE-MotorsActuators</a> </li> </ul> </li> <li>○ Everything else approved</li> </ul> </li> </ul>	<p>EGR Building</p>

Table 2. Tasks Assigned.

Task	Person Assigned	Due Date	Date Complete
CAD bearing supports	Aj	11/20/18	11/19/18

CAD shafts and bearings	Barek	11/20/18	11/19/18
CAD strain gauge mounts	Jeff	11/20/18	11/19/18
CAD Hydraulic system	Nestor	11/20/18	11/19/18
Make Final Powerpoint Presentation	All	11/26/18	11/25/18
Complete Final Report	All	11/30/18	11/29/18
Complete Prototype	All	12/3/18	12/2/18
Complete BOM	All	12/7/18	12/6/18

**Next formal meeting: 11/26/18, at the Honeywell facility, at 10:00pm.  
Next member responsible for\_meeting minutes: Nestor**