

## Project Bi- Weekly Progress

Date: 2/27/2014

**Project Title:** Automated High Volume Bearing Bore Gage

**Students Names:** Eric Allgeier, Matthew Boler, Kevin Flemming, Seth Norman, Christopher Proffett

**Mentors/ Coordinator/ Sponsor:** Dr. Cartes, Dr. Frank / Joseph Potts / Koyo Bearings

**1. Project Title:** Automated High Volume Bearing Bore Gage

### **2. Project Objectives/tasks Breakdown:**

The objective of this project is to update the software and interface on a bearing bore gage. This device must be user friendly and integrated into a system that monitors multiple gages at once.

### **3. What was accomplished the last two weeks on individual tasks- representative supporting data/ documents**

The GUI programming has switched from Visual Basics programming language to Visual C++. The syntax of C++ is known and will remove the need to learn a new language. The housing has been sent off for modifications. Communications have been re-established with Koyo Bearing (Robert Potts). Parts have been ordered. We have received RSLogix500 for programming the PLC. We have begun tutorials for coding in RSLogix500.

### **4. Summary of problems encountered and actions taken (and by whom)**

Communications were lost with Koyo Bearing and parts were not coming in. The team met with Dr. Shih to discuss a course of action. He contacted Robert Potts and was able to get things flowing. We learned that the parts had not been ordered yet but were able to put in a rush for the PLC and RSLogix500, the latter of which was given to us this past weekend.

### **5. Attached Gantt chart modifications and analysis if project is behind schedule and summarize actions planned to overcome the problems)**

**6. Work planned for the next period and the person(s) responsible:**

The GUI team will continue programming the GUI. The PLC team will begin programming the PLC and start testing it on the test-bed. The housing should be received and reassembly can begin. Miscellaneous parts, like wires, will be purchased and prepared for the arrival of the other components.

**7. Open comments/suggestions (Please feel free to include your private comments):**

**Coordinator/ Instructor assessment report and corrective action**