

# CprE 491 Weekly Report | DEC15-08 | Report #13 (4/27/2015)

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**Advisor:** Hung Nguyen

**Project Name:** Manufacturing Software Support Reprogram

**Client:** Van Gorp Corporation (Evan Zepp)

**Members and roles in group:**

Austin Benson – Team Leader

Nick Cervantes – Team Communication Leaders

Sean Finn – Key concept Holder

Evan Kroeger – Team Webmaster

Matt Petron – Key concept Holder

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## Weekly Summary

This week we mostly finished the development of our current iteration of the new program. The program successfully reads in the Van Gorp standards, and is able to calculate the proper output for Drum Pulleys. We met with van Gorp and gave a working demo. Furthermore, we received feedback about our current progress as well as future desired functionality and naming conventions. Lastly, we completed the next draft of our Dead Week Presentation.

## Meeting Notes

### Client Meeting Notes - Onsite Visit 4/23/15

End Disc: 0, 1, 2

Rim Width = Face Width

Rim Length =  $(24 \cdot \pi) / 2$

Rim Length Rounded to 1/16th of an inch

Round to 6 decimal places will be fine

- Will change from subtracting off 0.25 to a variable value

Possible Admin tab on Excel

Standard Inset Checkbox

- If non standard Inset create Box to type in the Inset Value

Van Gorp will password protect Excel Sheets and Cells using Excel Protect Sheets feature

- Need to verify that Program will still work even when Excel sheets are protected

Output format Ideas

- PDF
- Excel
- Send Directly to Printer
- Import into existing SQL Database for use in other software

## Pending Issues

We are currently preparing for our Dead Week Presentation. We will revise the latest draft of the presentation, and practice accordingly. Also, we will update our project plan and timeline for next semester, so we can adequately meet Van Gorp's needs.

## Plans For Next Week

Finish revision of our Dead Week Presentation, and practice. Also, make sure all of our documents are up to date. Finally, we will make sure everything is uploaded to the website and in order as the semester comes to a close.

## Individual Contributions (This Week)

**Austin Benson** – Finished development of the excel parser. Continued development of the program logic and output. Worked on some final GUI touches before our demo at Van Gorp.

**Nick Cervantes** – Finished the next revision of the Dead Week Presentation. Continued reverse engineering formulas from the original GW-BASIC source code to confirm correct output. Compiled weekly report.

**Sean Finn** – Finished development on the current GUI of our new program. Continued work on finding and implementing the formulas used for calculations.

**Evan Kroeger** – Continued creating Unit Tests for our new program, as well as additional development of the Excel parser. Continued work on the configuration file and settings. Assisted with reverse engineering formulas from the original GW-BASIC source code.

**Matt Petron** – Finished converting Van Gorp standards into usable excel documents. Double checked the standards, and tested the correctness of the new program's output.

## Hours

| Name           | Hours Worked Before This Week | Hours Worked This Week | Total Hours Worked |
|----------------|-------------------------------|------------------------|--------------------|
| Austin Benson  | 37                            | 6                      | 43                 |
| Nick Cervantes | 34                            | 6                      | 40                 |
| Sean Finn      | 33                            | 6                      | 39                 |
| Evan Kroeger   | 31                            | 6                      | 37                 |
| Matt Petron    | 33                            | 6                      | 39                 |
| Totals:        | 168                           | 30                     | 198                |