

# CprE 491 Weekly Report | DEC15-08 | Report #9 (3/30/2015)

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**Advisor:** Hung Nguyen

**Project Name:** Manufacturing Software Support Reprogram

**Client:** VanGorp 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

Our goals for this week were to meet with Evan Zepp from VanGorp, in order to narrow down the exact functionality of the program, as well as gain a better understanding of their product line. Furthermore, we began the early development of the new application.

## Meeting Notes

### 3/25/2015 – Group Meeting with Evan Zepp

- Scope is strictly Pulley Print, perhaps Shaft Print.
- Stick to values that are used in computation.
- Machined Rims (MACH RIMS): if machined, there is an operation where it is put into a lathe and the thickness is reduced.
- Standard # of wings (STD # WINGS): For winged pulleys, how many wings.
- Standard Inset: Operation
- Machine Lagging: Operation
- Static Balance: Operation
- Stainless: Requires machining of stainless
- Part #: What actually matters! D=standard drum, W=wings, C=binary option(C or S) crowned or straightface, XT=bushings(15 options)
- Zepp thinks starting with dimensions and class would be better
- HUB: definition sheet needed (start with XT)
- Hub Size: unknown
- Shaft diameter: decimal value
- Pulley Type: definition sheet needed
- Bushings not keyed:
- Shaft length: inches
- Shaft Part #:
- Lagging:
- Week: unknown
- Product Date:
- SPEC OPER CDS:
- PRTY:

- Initial Rim:
- Drum Pulleys: 400-09
- Wing Pulleys: 400-10

## Pending Issues

We are still waiting to hear back from Evan Zepp regarding various issues. Also, the engineering standards we were giving are in Word documents, and need to be converted to a format our program can easily interact with.

## Plans For Next Week

Continue development, as well as hear back about the few pending issues from Evan Zepp.

## Individual Contributions (This Week)

**Austin Benson** – Started the development process of reading excel files of engineering standards into a C# application. Met with Van Gorp at Iowa State.

**Nick Cervantes** – Finished conversion of QBASIC Code to Visual Basic. Exploring the feasibility of using converted code versus newly written code. Continued work reverse engineering the program flow of existing program. Compiled weekly report.

**Sean Finn** – Read through engineering standards supplied by Van Gorp, Started designing and setting up a database to hold the engineering standards tables

**Evan Kroeger** – Spent time exploring Van Gorp engineering standards, thought about best possible solution for storage/access of standards in programmatic sense, web dev.

**Matt Petron** – Looked through standard documents that Van Gorp provided at our meeting. Started creating a work flow diagram of how the software can best operate based on these standards.

## Hours

Name	Hours Worked Before This Week	Hours Worked This Week	Total Hours Worked
Austin Benson	23	4	27
Nick Cervantes	21	3	24
Sean Finn	20	3	23
Evan Kroeger	18	3	21
Matt Petron	20	3	23
Totals:	102	16	118