

Meeting Minutes

Staff Meeting

Date: 1/29/15

Present:

- ME students:
 - Steven Blanchette, David Deli, Jeremiah McCalister, Abigail McCool
- CE students:
 - n/a
- Faculty/Advisors:
 - Dr. Gupta, Dr. Shih

Notes:

- Progress of project:
 - Team is currently working on purchasing parts
- Talk to Jeremy the machine shop guy in HPMI about 3D printing
- Dr. Gupta asked about the major challenge of project:
 - Connecting tower and blades in simulation
 - Lack of wind data
 - Lack of necessary dimensions
- Dr. Gupta says we can check for resonance of the tower and blades separately using - just get boundaries conditions – make certain assumptions and use this complexity
- All three 3-D rited blades approx. 700 dollars (170-200 dollars per blade)
- The difference between the low, high, and medium density is the fill
- Low density would work – the blade will seem solid from our point of view
- Team will use low density
- Overview of final project delivered:
 - 8ft tower
 - 3ft blades
 - Hopefully tower will be able to generate power
 - Small 3D printed blades that show internals
 - Computer simulation
 - Revenue
- Use wooden dowels to put 3D printed parts together
- Go to Dr. Gupta's office hours to discuss more on the 3D printed design