

Tools

ME 2984



GIT UTILITIES

- GIT useful for backing up data
- How do you incorporate changes to Master?
 - Pull requests
 - Can be assigned or randomly taken by team members
 - Changes must be independently tested



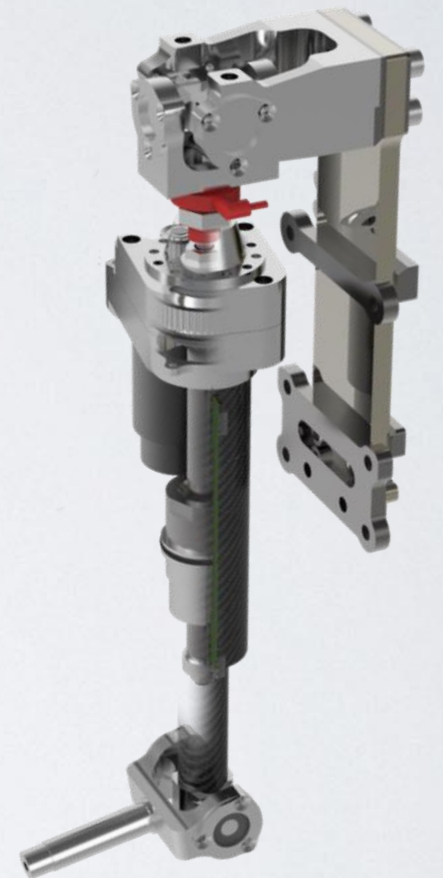
TESTING CODE

- Unit tests
- Continuous Integration tools



KNOWLEDGE STORAGE

- Comments and CAD aren't everything
- Have to be able to find what you're looking for
- Write down procedures and test data





COMMUNICATION

- Sometimes E-mail isn't enough
 - Share files and pictures
 - Collaborate between multiple sites
- Slack
 - More than just chat
 - Can be linked to GIT, Google Drive, Dropbox



MANAGEMENT

- Waterfall
 - Gantt charts
 - Good at dealing with lead times and slip
 - Labor intensive
- SCRUM
 - Short daily meetings
 - Task focused short term goals determined by users
 - Assumes all work can be done by all people
 - Bad at lead times

HARDWARE TOOLS

- 3D Mouse
 - Controls your camera
 - Keyboard Shortcuts

- Multi Meter
 - Check Continuity “Beep Test”
 - Verify pin functionality
 - Can’t really measure fast signals



OSCILLOSCOPE

- Both measures and transmits signals
 - Measures high frequency signals
- Can generate a wide variety of wave types

