

## ETSC 265 Solid Modeling - Final Project Toolbar Demonstration Choices

### Guidelines for preparing for your 2 minute presentation :

- At the presentation, open your Final Project SolidWorks file(s) and show how to initiate the toolbar, function or application
- Demonstrate each of the steps and options involved and what each one of those steps or options does.
- Demonstrate how the toolbar, function or application was used in your project.
- Suggestions follow below (you are not limited to this list, run suggestions by me)

#### Sketch

- Sketch Picture – Auto Trace
- 3D Sketch
- Slot Tool - Polygon

#### Features:

- Boundary - Boundary Cut
- Curves
  - Helix
  - Composite Curve
- Flex Tool
- Split
- Move/Copy Bodies
- Scale
- Thread Tool
- Freeform
- Insert Fastening Feature
  - Mounting Boss
  - Snap Hook/Snap Hook Groove
  - Vent
  - Lip Groove

#### Command Manager Tabs

- Surfaces Tools
- Sheet Metal
  - Vent
- Weldments
- DimXpert
- SolidWorks Add-Ins
- Circuit Works
- Mold Tools (plastic Injection Molding)

#### Assembly

- Motion Study
- Belt Chain
- Simulation (The engineering behind SolidWorks)
  - CFD
  - Thermal Simulation
  - Load Simulation