

September 2, 2020

- Discussion about board to use for prototype. ST manufacture a variety of boards that will work, will narrow down the options for the best fit to discuss in new meeting.
- Discussion about display/interface to use. Final discussion will depend heavily on available funds to meet economic restraints. Some comparison points around price and function were identified:
 - LCD vs 7segment display
 - Touchscreen vs pushbutton
 - Linear vs Tactile vs Clicky (Buttons)
- Each component will need three or four options to choose from
- Reviewed Gantt chart and verified timeline is reasonable
- Discussions around project restraints:
 - Economical
 - Final cost < \$100.00, may need to increase depending on cost of components and final design
 - Rough cost \$70 for electronics and \$30 for case/miscellaneous
 - Comparable competitive devices around \$700.00
 - Environmental
 - No toxic materials
 - High efficiency
 - Manufacturability
 - Two-layer PCBs with components on one side
 - Snap bolt connectors between boards
 - Health and Safety
 - Safety shutoff in first power supply stage
 - Fuse first power supply stage
 - Ergonomically designed handle and buttons
- Team members will fill out their information on website
 - Name
 - Program
 - Role in team
 - Hobbies
 - Picture