

AUV Meeting Minutes

November 8, 2023

- Waterproofing methods:
 - apply balloon/latex material.
 - coat water sealant to prevent resin breaking down by water
 - Sealant does not degrade in water
 - Sealant designed for plastic surfaces
- Final project deliverables:
 - Control system
 - Ballast/neutral buoyancy
 - Complete waterproofness
 - Goal: have 0 water infiltration after being submerged for 1 hour (Previous team had spoonful of water infiltration after 45 minutes - goal is to improve that)
 - Other goals: add accessories
 - Attach camera – Possibly a GoPro
 - Attack lamps
 - can be purchased from Blue Robotics (website shows important specifications including length and weight)
 - Mounting methods:
 - Fasteners
 - Contact cement
 - Payment: Talk to Dr. Kaipa about getting funding either from
 - Project budget (if we have access to it in time) or
 - Dr. Kaipa's discretionary fund
- Discussion of swimming pools that could potentially be used to test AUV:
 - Dr. Kaipa's pool
 - ODU pool - \$100/hr
 - City of Norfolk pools
 - May be cheaper than ODU pool rate
 - Nick will email them for information
 - If we get control system completed – test in Dr. Kaipa's lake