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