ROV Build: Erik

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PROJECT BACKGROUND

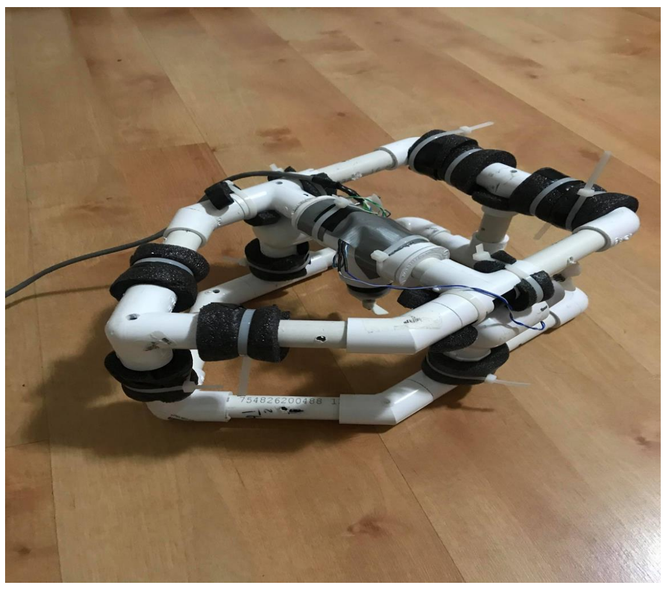
Giving students an opportunity to gather interest in the STEM field by participating in activities that encourage innovative thinking to resolve certain problems in the perspective of an engineer

OBJECTIVE

Students were to construct a ROV contraption capable of submerging itself underwater as well as flexible maneuverability.

DESIGN APPROACH

Our group wanted a well balanced frame as well as a triangular tip for displacing water. We positioned the motors along the middle of the frame to maintain a sustainable balance.



Results

After experimenting with our ROV, we managed to make it move efficiently through and under water.

CONCLUSIONS

Some major issues we encountered during testing include balancing the frame’s buoyancy and the central propeller’s adhesive. They were both resolved after over 30+ trials.