



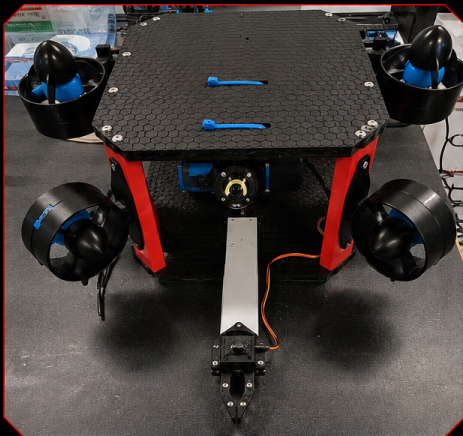
TITAN ALLIANCE

SPEC SHEET

 35.8 cm (L) x 25.3 cm (W) x 16.8 cm (H)

 5.02 kg (WEIGHT)

 TOTAL BUILD HOURS:
100 HOURS



EXPENDITURES

\$2,345.00

SPECIAL FEATURES

- A claw
- Arduino / Wireless Control
- 45° Angle Camera

SAFETY FEATURES

- Caution tape on thrusters
- Thruster labeled "Danger"
- CAD designed and custom 3D printed thrust guards

TECHNICAL SPECIFICATIONS

Dimensions (L x W x H)	35.8 cm x 25.3 cm x 16.8 cm
Weight	5.02 kg
Total Build Hours	100 Hours
Frame Material	PVC
Primary Power	12V DC
Tether Length	15 meters
Maximum Depth	20 meters (Tested)
Thrusters	6 Thrusters (Vector Configuration)
Manipulator	1 x Claw
Camera	2 x Forward Facing HD 1 x 45° Angle Camera
Control System	Arduino + PS2 Controller
Communication	Tethered (Power & Signal)

OUR TEAM



3 STUDENT ENGINEERS

FAVIN • NEVOUS • JAYDAN

OUR MISSION

The Titan Alliance is committed to innovation, teamwork, and excellence in underwater robotics. We design and build advanced ROVs to solve real-world challenges and compete on an international stage.



COMPETITION

International Underwater Robotics Competition – Canada



INSTITUTION

Albany Technical College
Albany, Southwest Georgia, USA



FACULTY MENTOR

Mr. Dennis Courtney



INNOVATE.
We create.



ENGINEER.
We build.



COMPETE.
We win.

2026