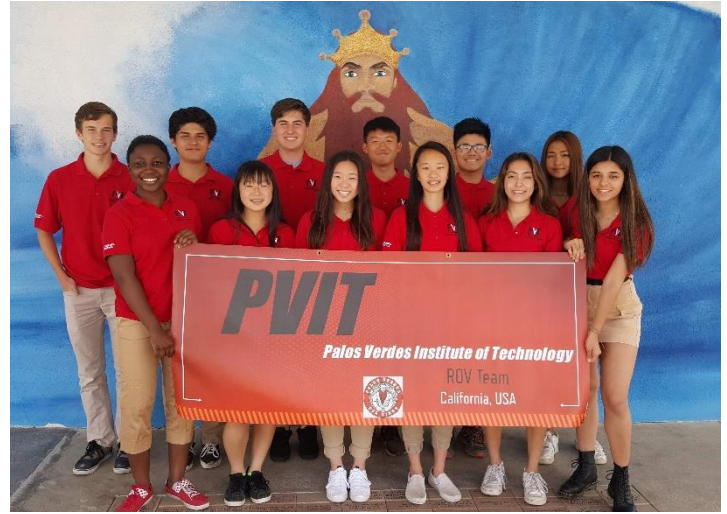


Palos Verdes Institute of Technology (PVIT)

History of MATE ROV Competition Participation

2019: 2nd Place Southern California Fly Off, Ranger
2018: 2nd Place Southern California Fly Off, Ranger
2017: 5th Place International MATE Comp, Ranger
2017: 1st Place Southern California Fly Off, Ranger
2016: 4th Place International MATE Comp, Ranger
2016: 1st Place Southern California Fly Off, Ranger
2015: 3rd Place International MATE Competition;
1st Place Mission Scores, Ranger
2015: 1st Place Southern California Fly Off, Ranger
2014: 5th Place International MATE Comp, Ranger
2014: 1st Place Southern California Fly Off, Ranger
2013: 2nd Place Southern California Fly Off, Ranger
2012: 2nd Place International MATE Comp, Ranger
2012: 1st Place Southern California Fly Off, Ranger
2011: Harry Bohm and Jill Zande Sharkpedo Award, Ranger
2010: 2nd Place Southern California Fly Off, Ranger

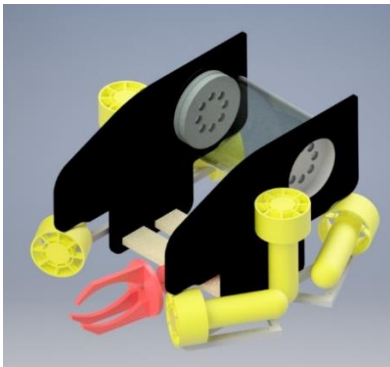


2020 PVIT ROV Company Photo: Cheryl Oshiro

Front, L→R: Dara Chidi, Riko Negishi, Erika Yiu, Jenna Chow, Erin Magid, Sasha Chehr
Back, L→R: Matthew Smalling, Frankie Moore, Sammy Moore, Zusan Hu, Steven Guo, Natalie Hong

Mamba

ROV Value: \$5,900
Total Student Hours: 1200
Primary Materials: Polypropylene, Acrylic, Delrin™
Dimensions: Height-33 cm; Length-67 cm; Width- 48 cm
Weight: 12 kg
Safety Features: 25 Amp Fuse, O-Ring Seal, Propeller Guards, Sharp Objects Protected.
Special Features: Arduino Microprocessors, SeaBotix Thrusters, Pololu Motor Controllers, High Definition Video, GoPro Hero 3+ Black Edition, dual-positioned manipulator, Micro ROV with camera.



Mamba Image: Frankie Moore

2020 Ranger Team Organization

Frankie Moore '20: President, Lead Design Engineer, 4th year
Erin Magid '20: Electrical Engineer, Mechanical Engineer 4th year
Matthew Smalling '20: Mechanical Engineer, 4th year
Dara Chidi '21: CEO, Lead Electrical Engineer, 3rd year
Sammy Moore '22: CSO, Design Engineer, Pilot, 2nd year
Erika Yiu '22: Chief Financial Officer, Electrical Engineer, 1st year
Sasha Chehr '22: Lead Programmer, Control Systems, 1st year
Jenna Chow '23: Mechanical Engineer, Chief Editor, 1st year
Natalie Hong '23: Mechanical Engineer, 1st year
Riko Negishi '23: Mechanical Engineer, 1st year
Steven Guo '23: Mechanical Engineer, 1st year
Zusan Hu '23: Mechanical Engineer, 1st year