Palos Verdes High School
Palos Verdes Estates, California, USA
Distance to East Tennessee State University, TN: 3790 KM.

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 Ranger Team Organization

Dara Chidi ’21: President, 4th year
Armaan Jhangiani ’21: Lead Electrical Engineer, 3rd year
Sammy Moore ’22: CEO, Lead Design Engineer, Pilot, 3rd year
Sasha Chehrzadeh ’22: Lead Programmer, 2nd year
Erika Yiu ’22: CSO, Mechanical Engineer, 2nd year
Jenna Chow ’23: CFO, Electrical Engineer, 2nd year
Natalie Hong ’23: Mechanical Engineer, 2nd year
Zusan Hu ’23: Mechanical Engineer, 2nd year
Steven Guo ’23: Mechanical Engineer, 2nd year
Matthew Smalling ’20: Mechanical Engineer, 5th year
Francisco Moore ’20: Design Engineer, 5th year
Erin Magid ’20: Electrical Engineer, 5th year

Mamba

ROV Value: $3,800
Total Student Hours: 1700 over 2 years
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.

Mamba Image: Sammy Moore

Photo: Cheryl Oshiro