HMS SeaBots

2019 MATE Internationals



Employees

Adithya Selvakumar

CEO, Lead Software Engineer, Mechanical Engineer Grade 8, 2nd Year

Aayush Talreja

CTO, Lead Mechanical Engineer, Pilot Grade 8, 2nd Year

Rohan Gawande

CFO, Lead Electrical Engineer, Co-Pilot Grade 8, 2nd Year

Saketh Rudraraju

JSO, Mechanical Engineer Grade 8, 1st Year

Brael Tagsip

Software Engineer; Grade 8, 1st Year

Numa Wani

Electrical Engineer; Grade 8, 2nd Year

Spoorthy Reddy

Software Engineer Grade 8, 2nd Year

Mentors

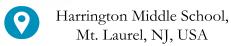
Ms. Maureen Barrett

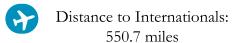
mbarrett@mtlaurelschools.org

Ms. Marieve Patterson

mpatterson@mtlaurelschools.org

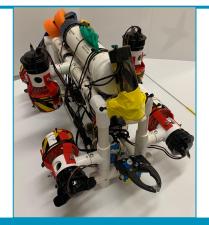






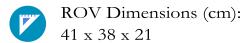


Top Row: Saketh (JSO, Co-Pilot), Aayush (CTO, Pilot), Numa, Rohan (CFO) Bottom Row: Adithya (CEO), Spoorthy, Brael (Photo credit: M. Barrett)



ROV Lincoln (Photo credit: Saketh R.)

5.8 Kilograms



\$2604.92 USD

Special Features

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6 Thruster Setup	Six thrusters allows our ROV to be faster and more maneuverable
Dual Action Manipulator Arm	Double servo gripper enables our manipulator arm to open, close, and roll 90 degrees
Onboard Electronics Enclosure Featuring RS485 Module	3" Blue Robotics watertight enclosure to house electronics onboard the ROV, reducing signal interference and voltage drop through the tether
Image Recognition Capability	Software programmed to autonomously identify benthic species
Temperature Sensor with LCD Display	Measures and records water temperature in South Fork Holston Lake

Safety Features

Motor shrouds with thruster guards, warning tape on shrouds, in-line fuses, kill switches, SOS leak sensors, strain reliefs, voltage regulators, no sharp edges

