**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

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**Special Features**

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

**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

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**ROV Lincoln**

- **Weight:** 5.8 Kilograms
- **Dimensions (cm):** 41 x 38 x 21
- **Cost:** $2604.92 USD

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**Harrington Middle School, Mr. Laurel, NJ, USA**

**Distance to Internationals:** 550.7 miles

**2000 company hours worked**

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

(Photograph credit: M. Barrett)