



# CUNY Open Source DIY Rover Project

*Bringing JPL Educational Technology to the CUNY Community*



*Currently...*

- CUNY lacks projects that make use of the institution's existing resources.
- There aren't many interdisciplinary projects that promote the college's mission of diversity.
- CUNY lacks projects with advancing technology that students can get excited about and put their inherent skills to use.



# What is Rovee?

---

- Designed by NASA's JPL (Jet Propulsion Laboratory) as an open source educational prototype of the Mars Exploration Program Rovers.
- It is built with off-the-shelf parts and uses the affordable Raspberry Pi computer as its CPU.
- Comes with a robust set of instructions and tutorials in an open digital forum that clearly documents the building and tuning.



# What Rovee Brings to CUNY

---

- Provides our academic community with a faculty-supervised, robotic building project for students that is aligned to the College's mission and education objectives
- Will leverage the many valuable resources the institution has to offer its students, including faculty with appropriate expertise, specialized technology labs, and engaged peers with complementary technical skill set.



# What Rovee Brings to CUNY

---

- The project will produce a completed DIY Robot Rover that can be used as a demonstration platform both within the College and the larger CUNY and MetroTech communities.
- The Rovee project will produce curricular assignments and a co-curricular project.
- OpenLab website will include the documentation and information of the project.

# Next Steps



WHAT DO YOU  
THINK?



WHAT IDEAS DO YOU  
HAVE?



WHAT QUESTIONS  
DO YOU ANTICIPATE?



WHO ELSE CAN GET  
INVOLVED?