Community & Outreach Activities

An essential goal of the RoboBoat program is to support STEM education while strengthening engagement with the surrounding community. Throughout the year, the UPRM RoboBoat Team participated in several outreach initiatives designed to introduce students of various age groups to engineering concepts and to encourage interest in science, technology, and innovation.

In April 2025, the team took part in a Project Fair that focused on interactive STEM learning for elementary and middle school students. During this activity, team members presented fundamental engineering and robotics concepts through hands on demonstrations connected to the RoboBoat project. These demonstrations allowed students to actively engage with engineering principles, helping to foster curiosity and early interest in STEM related fields.

The team also participated in the UPRM Open House in October 2025, an event aimed at reaching high school students considering careers in engineering and other STEM disciplines. Students had the opportunity to interact directly with RoboBoat team members and learn about the project's structure, the different divisions within the team, and the collaborative effort required to design and build an autonomous surface vehicle. This outreach activity helped students better understand potential academic pathways and the real world applications of engineering.

In November 2025, the RoboBoat team attended the University's Student Organization Fair, where members promoted the project to the university community. Team members explained the objectives of the RoboBoat program, discussed the functionality of the autonomous surface vehicle, and described opportunities for students to become involved. This event encouraged interdisciplinary participation and allowed students from various academic backgrounds to explore hands on engineering experiences.

Lastly, in December 2025, the team visited LEAP Academy in Mayagüez to conduct an outreach activity for incoming students. During the visit, team members presented an overview of the RoboBoat project and answered questions related to engineering and teamwork. To reinforce learning, students participated in a bridge building competition that challenged them to apply problem solving, collaboration, and critical thinking skills.

Through these outreach activities, the UPRM RoboBoat Team continues to promote STEM education, inspire future engineers, and strengthen the connection between the university and the broader community.