Community & Outreach – AQUAHOLICS | RMK Engineering

AQUAHOLICS is committed to using robotics and autonomous technology to address real-world environmental challenges while encouraging students to gain practical experience in engineering and innovation.

Our primary project is an **Autonomous Water Surface Cleaning Robot**, developed to collect floating plastic waste, vegetation, and other pollutants from water bodies. Through this project, we aim not only to develop a practical solution for water pollution but also to create opportunities for students to learn about robotics, embedded systems, autonomous navigation, computer vision, and environmental sustainability.

Student Internships & Technical Exposure

As part of our outreach efforts, we have provided internship opportunities to students, allowing them to gain experience in the development of robotic systems.

Rather than limiting learning to theoretical concepts, we encourage students to work with real hardware and participate in practical development, testing, troubleshooting, and documentation. This provides them with an understanding of how multidisciplinary engineering teams work together to develop and validate an autonomous system.

Knowledge Sharing & Awareness

As part of our student engagement efforts, we have conducted **two virtual internship batches**. The first batch included **4 students**, who were introduced to robotics and the development of our autonomous water-surface cleaning robot through online technical sessions and project discussions. We are currently engaging with a second batch of **11 students from various engineering departments**, providing them with virtual learning opportunities across different areas of robotics, electronics, software, mechanical design, and system integration. Our participation in various student innovation, sustainability, incubation, and robotics programs has further enabled us to interact with other young innovators and exchange technical knowledge and ideas.



BATCH 1



BATCH 2