

BRACU Duburi, the pioneer Autonomous Underwater Vehicle (AUV) team of Bangladesh, believes that robotics is not only about building advanced technology, but also about inspiring communities and encouraging future innovators. Since our establishment, we have continuously worked to spread awareness about robotics, STEM education, and underwater technology among students and the broader community.

A key component of our outreach efforts has been to engage with young students in learning opportunities. We actively engaged in outreach programs and interactive sessions at institutions like DRMC, NDC and BRAC Kumon and introduced students to the fascinating world of robotics and autonomous systems. We had activities like demonstrations, discussions, and experience-sharing with the aim of encouraging children and young learners to be curious and confident in their exploration of science, engineering, and innovation.

BRACU Duburi has also participated in various prestigious events and exhibitions as a representative of the emerging robotics community in Bangladesh in addition to school outreach. We were invited to participate in programs and expos organized by institutions such as BUET and Broadband Expo, where we showcased our AUV technology and shared our journey with students, educators, industry professionals, and technology enthusiasts. For these occasions we were able to encourage group learning and the need for technological development in Bangladesh.

In the BRAC University, we are often conducting seminars, orientation and recruitment programs to help students understand the multi-disciplinary aspect of our work. The sessions have been designed to give students first-hand experience in the areas of artificial intelligence, computer vision, embedded systems, software development and mechanical design, as well as the opportunity for teamwork, research and innovation.

We reach out to the digital world as well. We continuously update our progress, technical development, competing experiences and how we use and see Autonomous Underwater Vehicles in real-life applications, through social media. Through making our work accessible we intend to motivate more students around the country to pursue STEM and Robotic studies in Bangladesh.

BRACU Duburi has also engaged in partnership and sponsorship with industry organizations and sponsors such as Dubotech, Cathay Pacific, Tech Diversity, and various international organizations promoting innovation and student-driven research. These collaborations have strengthened our ability to continue outreach activities and represent Bangladesh on international platforms.

One of the most significant events for our community has been when BRACU Duburi has been named the World Runner-Up at RoboSub 2023. Many students and young teams from all over Bangladesh have got inspired after this achievement to take part in the Robotics competition and continue engineering research. Our commitment to innovation and impact was further recognized through the Entrepreneurship Award at RoboSub 2025. Now as we are all preparing for RoboSub 2026, our days as RoboSub Duburi will continue to advance innovation in robotics in Bangladesh by encouraging dreams and nurturing young minds for future innovation in STEM and sharing our experiences and knowledge with others.