



**UNITED
INTERNATIONAL
UNIVERSITY**
Dhaka, Bangladesh

KRAKEN

Underwater ROV

BANGLADESH 

“ Built for Exploration,
Engineered for Performance



 Total Cost \$4,542	 Build Time 6,120 Hours	 Travel Distance 11,275 KM Dhaka, BD → Newfoundland, CA	 MATE ROV Competition History 2 nd Time Participating	 Weight 18 KG	 Dimensions 200x600x800 cm
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Special Features

- Omnidirectional Six Degrees of Freedom
- Onboard Length Measurement Capabilities
- Onboard Depth Measurement Capabilities
- Absolutely Neutral Buoyant
- Object 3D Model Generation via Photogrammetry
- Gripping Capabilities via Sealed Waterproof Gripper
- Fully Modular Chassis Design

Safety Features

- Thruster Guard & Strain Relief
- Littlefuse for Circuit Protection
- No Sharp Edge or Exposed Wires
- Double Layer O-ring Waterproof Protection
- Silica Gel to Absorb Built-up Moisture



Fig 1: Company Photo of UIU MARINER with the Esteemed Mentors and Team Members

Team Members and Roles

Team Advisors

- Dr. M Rezwan Khan (Chief Advisor)
- Dr. A K M Muzahidul Islam (Director & Lead Mentor)
- Fahim Hafiz (Mentor)
- Shekh MD Saifur Rahman (Mentor)

Mechanical

- '26 Iftekharul Islam Repat (4th Year)(Team Lead)
- '26 Redwan Hossain Romit (4th Year) (Sub team Lead)
- '26 Tony Roy (4th Year) (Sub team Co-Lead)
- '27 Jannatul Naym Zafrin (3rd Year) (Float Div.)
- '27 Ismail Hossain (3rd Year) (Arm Div.)

R & D

- '26 Nusrat Jahan Piyal (4th Year) (Sub team Lead)
- '26 Jannatul Tajrian (4th Year) (Research Div.)
- '26 Dewan Sadia Noureen (4th Year) (Research Div.)
- '27 Fardin Hasan Siam (3rd Year) (Research Div.)

Electrical

- '27 Kutub Al Baki (3rd Year) (Sub team Lead)
- '27 Md Muzahidul Islam (3rd Year) (Sub team Co-Lead)
- '26 Omar Faysal Ornob (4th Year) (Float SID)
- '26 Tarequl Islam (4th Year) (Wire Management)
- '26 Mahmud Molla Miad (4th Year) (ROV SID)
- '26 Maknun Ahmed Sifat (4th Year) (ROV Pilot)
- '27 Zihadul Islam Shehab (3rd Year) (Power Calc.)
- '27 Md Rahedul Islam Rahed (3rd Year) (Float Power Calc.)

Software

- '27 Muddasir Faiyaj (3rd Year) (Sub team Lead)
- '26 Parag Deb (4th Year) (Computer Vision)

Graphics

- '26 Mezabur Rahman Rasel (4th Year) (Sub team Lead)
- '27 Anika Nidhi (3rd Year) (Dynamic Div.)
- '26 Md Rohan (4th Year) (Static)

Branding

- '26 Samia Sayeed (4th Year) (Sub team Lead)
- '26 S M Nayemur Rahman (4th Year) (Marketing)
- '27 Md Alif Hossain (3rd Year) (Content Div.)
- '27 Sajib Biswas (3rd Year) (Photography)
- '27 Muhidul Islam Siam (3rd Year) (PR)
- '27 Israt Ara Mahfuz (3rd Year) (PR)
- '27 Abdullah Al Mahin (3rd Year) (Video/Content)
- '27 Jisan Mahmud (3rd Year) (Content Editing)

Logistics

- '26 Sadique Hossain (4th Year) (Team Manager & Accounts)
- '27 Md Mahfujur Rahman (3rd Year) (Sub team-lead)
- '26 Arefin Iqram (4th Year) (Sub team Co-Lead)
- '27 Tamjid Ahmad (3rd Year) (Logistics)
- '27 Rakibul Hasan Rabbi (3rd Year) (Logistics)