



Alexandria University
Alexandria, Egypt

MATE ROV 2021



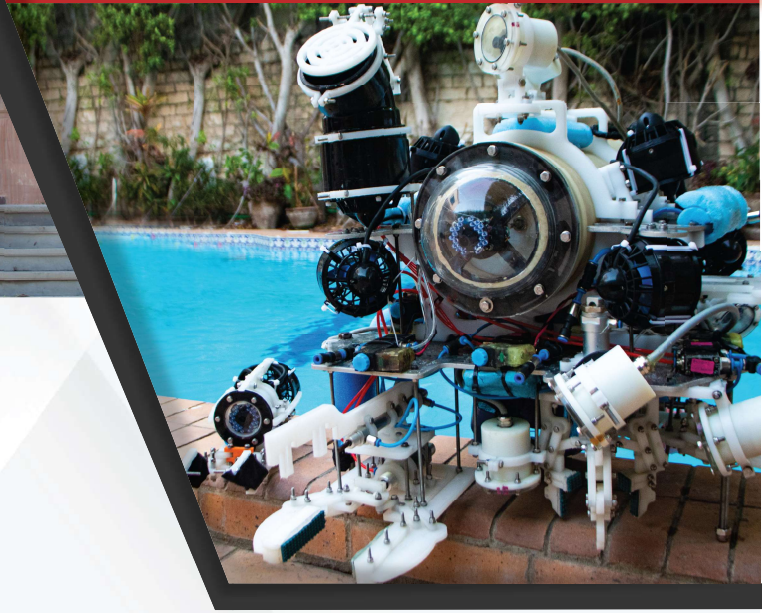
Neptune

ROV Name

Distance Travelled **10,817 km**

Total Man-Hours **2500 h**

Total Cost **2765 \$**



- 21'Omar Ahmed Felfel CEO
- 22'Mohamed Akram CTO/Mechanical Lead
- 22'Yassmin Hesham CFO/Media Lead
- 23'Ibrahim ELGhotmy Pilot/Software Lead
- 22'Mohamed Essam Electronics Lead
- 21'Aly Essam Mechanical Eng.
- 21'Esraa Fathy Mechanical Eng.
- 22'Abdullah Essam Mechanical Eng.
- 22'Ahmed Helmy Mechanical Eng.
- 23'El-Hussein Abdelwahab Mechanical Eng.
- 24'Marwan Mohamed Mechanical Eng.*
- 24'Yousef Mohamed Mechanical Eng.*
- 22'Mahmoud Sabra Electronics Eng.
- 22'Raghda Sallam Electronics Eng.
- 22'Nadeen Hamdy Electronics Eng.*
- 23'Mohab Ahmed Electronics Eng.*
- 22'Safynaz ElSagheir Software Eng.
- 22'Omar Khaled Software Eng.*
- 22'Mahmoud Elhalafawy Software Eng.*
- 23'Ahmed Salah Software Eng.*
- 23'Yehia Salah Software Eng.*
- 24'Ragai Ahmed Software Eng.*
- 24'Hossam Eldin Ahmed Software Eng.*

* New Member

SPECIAL FEATURES



Micro-ROV



Multiple Cameras



Computer Vision



Deep Learning



P.I.D System

SAFETY FEATURES

- Validation Board
- Leakage Sensor
- Kill-Switch
- Deburred Edges
- Strain-Relieved Tether
- Shrouded Thrusters

WEIGHT AND SIZE

- Weighs **29 kg** including tether and fits in a circle of a **75 cm** diameter