



Mansoura University Faculty of Engineering

Mansoura CAETUS spec sheet



Team Specs

University Name:-

Mansoura University
Faculty of Engineering.

Home State :-

Dakahliya, Egypt.

Distance required to travel to the international competition:

10948 kilometers.

History of MATE CAETUS Team:-



Figure (1) CAETUS Team

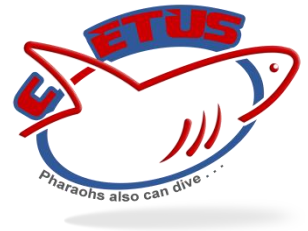
The team was found in January 2012 to participation in the regional competition in Egypt. Our team is winner with the first place in the regional competition in Egypt .Our target is to reach the first place in international competition because Descendants of Pharaohs They have imposed unacceptable.

Member	job	major
Asmaa Raslan Ibrahim	CEO	4 th year in CSED
Amr Mohammed ElAlawy	Mechanical & design engineer	3 rd year in MPED
Sameh Galal Moustafa	Pilot & Electrical engineer	3 rd year in ECED
Belal Shehata Mahmoud	Copilot & vision system engineer	4 th year in CSED
Asmaa Mahmoud ElNagar	CFO & idea generator	4 th year in CSED
Amira Magdy AboKamar	Coordinator & Electrical interface	4 th year in CSED
Amal Anwar Kamal	Safety engineer& electrical interfaces	4 th year in CSED

Figure (2) CAETUS Members names



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ROV specs

Rov Name: CAETUS.

Total Coast: 480.3 \$.

Primary used Material: PVC.

Approximate Material Dimention: Length 82 cm, width 38 cm and height 32 cm.

Total Weight in Air: 10 kg.

Safety Features : Safety was an important principle while designing . All motors, camera and wires are isolated from water .All control are out from water and we put fuses to protect from short circuit. There is no sharp end of ROV to be more safety. All motors and camera tested under water and also pressure.

Special Features: CAETUS ROV frame made from PVC which is cheap and light. ROV design is very simple, can move in all direction only by six thrusters and very stable in water and when moving also. Another thruster is added for more speed. Isolation of motors very simple cheap and effective. It is SIMPLE but EFFECTIVE Vision system in ROV provide clear vision to pilot in almost directions.

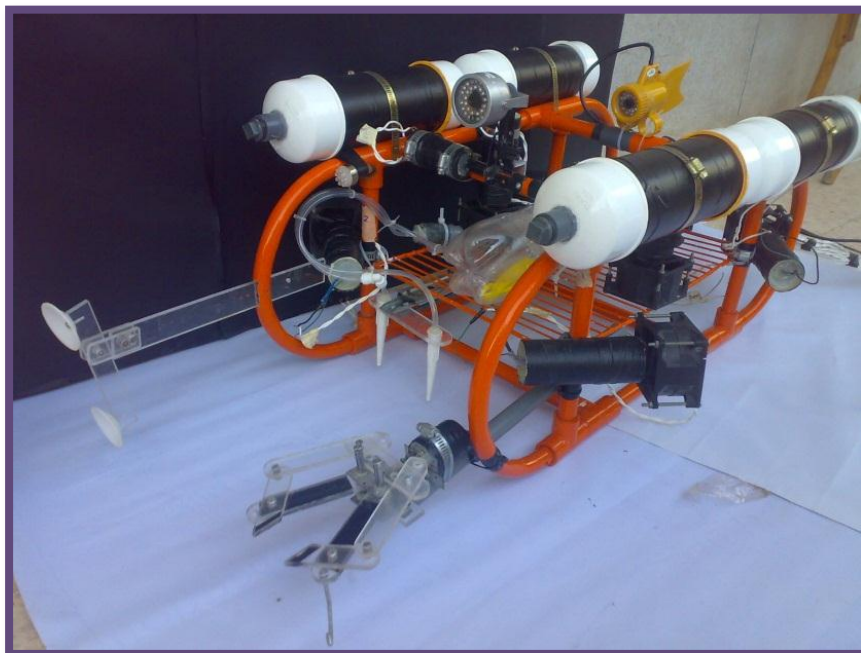


Figure (3) CAETUS ROV