

# Team Spec sheet

## Kwok Tak Seng Catholic Secondary School

### TEAM SPECS

School name : Kwok Tak Seng Catholic Secondary School

Home state: Hong Kong

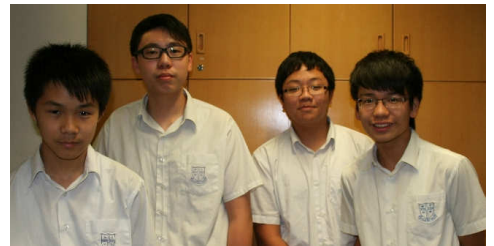
Distance traveled to the international competition: 10000 KM

✧ First-time MATE ROV competition participant?

**Our school had joined the international competition last year. But all team members are new and younger this year.**

✧ Team photo and caption indicating team member name and role (e.g. team captain).  
**This photo should include all of the team members, especially those planning to travel to the international event.**

✧ Range of grade levels represented by your team members  
**2 students from grade 9 and  
2 students from Grade 10**



### ROV SPECS

ROV name KTSCSS

Total cost Fund raised from school - Building of ROV - Travel to USA  
= US\$ 3500 - US\$ 447- US\$ 6845 = - US\$ 3792

Approximate dimensions in metric units 0.6M x 0.4M x 0.3M

Total weight in AIR in kilograms. 3.5 Kg

✧ Primary material(s) used in construction

**Mainly built PVC, Only small part of ROV is built aluminum and acrylic**

✧ Safety features

**Each Propeller is protected by a cap , Avoid Sharp edge, 1A Fuse is connected in the circuit and no hazard material had been use(safe to put under water)**

✧ Special features

**A moveable payload for grabbing objects**

**2 Mono-directional motors are used to control a movement on the same axis which provides bigger force to control the ROV more efficiently.**

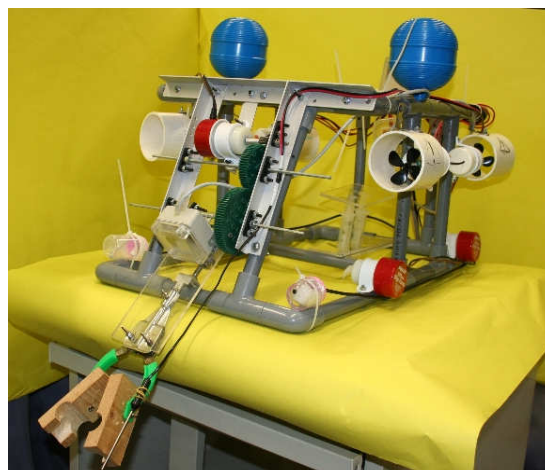


Photo of the ROV