



Walchand College of Engineering, Sangli
(An Autonomous Institute)



VISION 2016

Presents

Pirates of Caribbean

INTRODUCTION

In this event you are blessed with a treasure full of gold and silver. Your robot will be an elixir on the way to your golden future. But the treasure is on an island in the sea and your robot is the only way to bring that treasure to you.

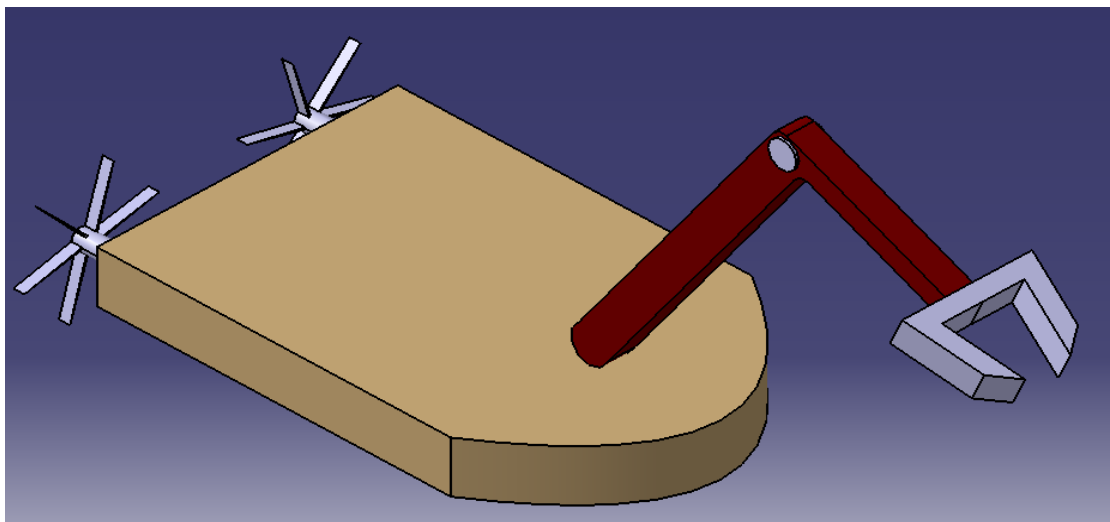
So friends start building your robot now by boarding into the ship of knowledge, shipping towards an island of ideas, by using your brain as a compass to direct you but never use anchor of your ship to stop your efforts.

GAME PLAY

The task is to build a robot which can float on water having arms to pick n place gold or silver coins from one place to another. The robot should also be able to resist various obstacles/hurdles purposefully placed in its path.

DIMENSIONS OF ROBOT

1. Height of Robot arm - 30 cm max. (Folded arm)
2. Weight of Robot - max. 5 kg.
3. Dimension of Robot - (l*b) 30*30 cm



DIMENSIONS OF OBJECT

1. Size of ball - 3 cm radius(max)
2. Size of box -4*4*4 cm.
3. Weight of object – 50 gm.(max)

Rules:

1. The team will be required to pick and place objects using a robotic arm.
2. Scoring will be based on number of blocks/balls picked and placed at given position, accuracy of the placement and time taken by the team to complete the task.
3. The robot is expected to start from a designated position, trace the track, pick the object from the given position, place it in a specified position.
4. The robot should carry only one object at a time.
5. Each team will be supplied power strip.
6. The decisions of the organisers are final and binding.
7. Second round will be a surprise round.
8. Every team will be provided with a single variable 24V DC (3Amps) & 230 AC Power Supply.

General Rules:

- Students must bring their valid college identity cards while coming to the event.
- Any team that is not present at the specified time will be disqualified immediately.
- Rules may be changed without prior intimation. Participants are requested to check the website regularly for updates.

NOTE: Major changes will be notified on the web-site.

Certification Policy:

- All the students will be given participation certificates.
- Top two teams will be awarded the Certificate of Excellence.

Team Details:

- A team can have a maximum of 3 members.
- Team members can be from different colleges or years.

Entry fees: Rs. 200/- per team.

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