

# HYDRAULIC CRANE

## Problem Statement

### Introduction

WE bring an event that brings out the strength of water, yes working on HYDRAULIC forces, make a syringe controlled crane and compete to be the best.

### General Rules

- Each team can have a maximum of 4 participants.
- Certificates of Excellence will be awarded to the top two teams.
- In case of any disputes/discrepancies, the organizers' decision will be final and binding. The organizers reserve the right to change/alter any of the above rules as they deem fit.

### Game Play and Judging Criteria

- Two teams will compete with each other at a time in a game of pick and place.
- The competing team will be asked to place their crane on a fixed spot in their respective sections allotted to them.
- Each team is supposed to transfer the objects provided to them from one spot to another using the jaw of the hydraulic crane.
- Whichever of the two team completely transfers all the objects to the second spot first, it wins and moves to the next round. And the process continues till two teams are left in the end.
- Dual between the two finalist teams decides the winner.
- If in the process the object fall down then the team will have to start over again.

### Instructions regarding the design of crane

- The design of the crane should be such that its base covers an area of maximum 30cm\*30cm.
- The crane jaw should be designed keeping in mind that the objects to be transferred are standard stress balls.

### Event Head (Final Year)

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