



## **HYDRAULIC ARM**

“Water is a non-conventional source of energy.” Keeping this as motto, we present HYDRAULIC ARM, a mechanism that cleans a dump yard without the use of conventional sources to reduce the pollution and helps in making our environment green.

### **Rules of the Event:**

1. Maximum of 3 persons are allowed in the team.
2. Use of batteries, electrical motors, springs, compressors and pressurized cylinders are prohibited.
3. The fluid used inside the syringes should be water and mixing of salts or oils in water is prohibited.
4. There is no restriction in number of degrees of freedom used in arm.
5. The control of the machine will be only by syringes, maximum of two people will be allowed to control the machine
6. All the joints of the arm must be operated manually.
7. In case of any discrepancy decision of the judges shall be treated as final and binding on all.
8. 3.5 hrs will be allotted for each group for prepare hydraulic arm.

### **JUDGING CRITERIA :**

1. Testing of arm will be done by lifting cold drink bottles of different different volumes.
2. Whichever arm lift maximum weight will be selected as winner.

**Entry Fee:** INR 150/- per team.

**Prizes Worth INR 4000/-**

### **For more info and registration Contact:**

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