

## WILD RACE

### **Aim:**

Build a robot that can pick up loads (wooden blocks) across uneven topography.

### **The Task:**

Reach the final destination with minimum time while tackling as many loads as possible.

### **Event Structure:**

The event will be conducted in two rounds.

1. **Round 1 (Elimination Round):-** The first round will be an elimination round in which the bots will complete the arena with picking up the loads. Though picking the loads is compulsory in this round.

2. **Round 2 (Final Round):-** In the second round, the bot must pick up a minimum number of loads, at the same time should not cause damage to victims positioned in the arena. All the judging criteria mentioned below will be applied.

### **Bot Specifications:**

1. Max weight of bot allowed = 2kg.
2. Maximum dimensions of Robot should be: 40 cm\* 30 cm\*40 cm (L\*B\*H).
3. Motors: There is no restriction on speed (High torque motors will be better for the terrain)
4. The terrain will be uneven and unduly.
5. Standard power supply is provided, participants have to bring their own adaptors.

### **Judging Criteria:-**

1. The bot must start from starting point and start moving when the timer starts.
2. The bot has to move towards the on the given track passing through all the obstacles in the arena.
3. If the bot is stuck/gone out of the track a hand touch is allowed, but only 5 such touches will be allowed and points will be deducted.

# JINKS प्रतियोगिता '17

✉ [pranav.jinks@gmail.com](mailto:pranav.jinks@gmail.com)

📍 NIFFT, Ranchi

🌐 [jinkspranav.in](http://jinkspranav.in)

4. Points will be awarded for each and every load the bot picks up according to the arena.
5. The bot should avoid damaging victims as well as, should complete the track as soon as possible.

## **Arena Specifications:**

The arena will consist of many parts

1. Rough Track
2. Zic-Zac
3. Slope
4. Curved Path
5. Hanging Bridges
7. Wet Sand Road

## **Contact**

For detailed schedule of events, please visit our website. For further details contact

Shubhendu : 9135649172,

Email id: [pranav.jinks.2k17@gmail.com](mailto:pranav.jinks.2k17@gmail.com)