

Knight Race

SRI JAN _ 2013

Event Details

Aim_You are supposed to build an all - terrain MANUAL robot for this event. Each team should comprise of 3 – 6 members only. But at any point of time, only two people shall be allowed to control the bot.

ROBOT SPECIFICATIONS_

- HAS TO BE A MANUAL ROBOT
- YOUR BOT'S MOTORS SHOULD NOT EXCEED 48V DC MOTORS. IN CASE IT IS FOUND EXCEEDING THE GIVEN RATING, YOUR TEAM SHALL BE DISQUALIFIED
- THE DIMENSIONS OF THE ENTIRE ROBOT, NOT NECESSARILY THE CHASSIS DIMENSION, SHOULD NOT AT ANY POINT OF RACE EXCEED 25X25X25 cm. IF AT THE BEGINNING OR AT ANY POINT IN THE RACE YOU ARE FOUND VIOLATING THIS, YOUR ROBOT WILL BE DISQUALIFIED
- ROBOT SHOULD BE ABLE TO PERFORM GENERAL MANEUVERS LIKE TURNING LEFT-RIGHT, GOING BOTH FORWARD AND BACKWARDS etc.

The above given specifications are the general and necessary ones to qualify for the race. In addition to it we would like to mention that our track will have various barriers and different types of terrains (like sand, mud, shallow water etc.). Your bot will be made to

jump, climb, push obstacles out of the way etc., so we advise you to prepare your robot accordingly.

As far as the track and its features are concerned, the track will be revealed 30 mins. prior to the start of event. You may carry your kit with you to make last minute changes to your bot, not violating any of the compulsory specifications, after seeing the track. YOU WILL NOT BE ALLOWED TO TEST RUN YOUR ROBOT.

jadavpur university f.e.t.s.u. presents

STRUCTURE OF EVENT (basic rules)_

ROUND 1_ THE QUALIFYING ROUND

Two robots will be made to run simultaneously on the track. The two robots competing against each other will be decided randomly as the registrations proceed. Both the robots will cover the same track and winner automatically qualifies for the next round. The details for the round will be given to you at the beginning of the round. The event management team and the event convener have the ultimate control over the event, and therefore their judgment shall prevail.

ROUND 2_ THE FASTEST ROBOTS

Each and every bot will now run the track individually. The robot will be timed (there are time penalties for not following the track). Out of the robots qualifying, only the top 16 will go to the next round.

Again, the event management team and the event convener have the ultimate control over the event, and therefore their judgment shall prevail. The round shall be described to you in detail at the beginning.

ROUND 3_ THE FINAL STAGE

The final round will be a knockout. From 16 to 8, to 4, to 2 and finally to the winner. The event will have 3 winning teams. The details of the event will be given to the qualifiers prior to its start.

And we quote again, the event management team and the event convener has the ultimate control over the event, and therefore their judgment shall prevail.

jadavpur university f.e.t.s.u. presents

GENERAL COMMENTS_

- BE READY FOR SURPRISES. YOUR BOT WILL FACE EXTREME CHALLENGES. YOU MAY FACE SOME FEATURES IN THE TRACK OF WHICH YOU WERE NOT INFORMED EARLIER
- WE WILL SUPPLY YOU WITH A 220V 50Hz SUPPLY
- HAVE ULTIMATE CONTROL OVER YOUR BOT. WE WILL TRY TO THROW YOU OFF THE TRACK etc. SO BE PREPARED
- WHILE COMPETING AGAINST OTHER BOT IN THE SAME TRACK, YOU ARE ALLOWED TO PUSH IT OFF THE TRACK, IF YOU FEEL LIKE USING SOME OF YOUR TIME ON IT.
- THE TRACK OF THE TRACK WILL CHANGE FROM TIME TO TIME AND THE EVENT PROCEEDS IT WILL BECOME LARGER. SO DO NOT THINK THAT IF YOU HAVE MEMORISED THE TRACK YOU WILL HAVE AN ADVANTAGE.
- THE SRIJAN TEAM AND THE EVENT TEAM HAVE ULTIMATE CONTROL OVER THE JUDGEMENT AND IT IS POINTLESS TO GO AGAINST THEM.
- WE MAY HAVE MISSED VARIOUS DETAILS OR OTHER STUFFS REGARDING THIS EVENT. IN CASE OF DOUBTS

PLEASE CONTACT THE EVENT CONVENER OR KEEP A
CHECK ON THIS SITE FOR CHANGES

THE SRIJAN TEAM WISHES YOU ALL THE BEST.

CONTACTS_

EVENT CONVENER _ utkarshkumar0105@gmail.com