



National Robotics Festival – 2014

Contest Outline: Robots Got Freedom

Objective:

Robotics, needless to say, has been the most interesting field of technical advancements in recent times! And our talented engineering students have already started to join this emerging enthusiasm. They are working on intelligent robot nowadays, even they are working on Bangla voice command robot and this entire enthusiasm makes us proud.

So, we want to collaborate all the robotics work under one roof to exhibit the high potential of our country and we want to showcase the excellent folio of robotics in our country. We don't want to limit our young mind's creativity. Any kind of robot can participate in this segment.

Hence, participants are highly encouraged to display their height of talents, ideas and innovation through brainstorming in this most spectacular battle of robots.

Gameplay:

On this particular criteria of robotics competition, contestants will be allowed to build an automaton on their freewill and using their innovative intelligence to vie with one another. Any autonomous robot which is successfully able to do a specific task on its own will take part in 'Robot Got Freedom'.

Machine Specification

1. The Robot(s) can be manual or autonomous.
2. There is no specification on its dimension.
3. Wireless or wired both are acceptable.
4. Use of Lego Kits is strictly prohibited.
5. External Power supply is allowed.
6. Robot must be able to perform its said task as per the submitted abstract.

Judging:

Key Evaluation Criteria would be:

- Innovation
- Design (Compactness and the efficiency of work done)
- Efficiency (Performance of said task)
- Degree of specified task accomplished
- Hardware/Mechanical Efficiency
- Code Efficiency
- Relevance with practical need
- Visitors Preference (20%)

Rounds:

- Participating team will have to exhibit their robot all over the day.
- Three round will be conducted.
- At first Round they will have to demonstrate their robot's function.
- At Second Round they will be assigned with a specific task what can be accomplished within a short time.
- At third round they will have to give a presentation on their robot.

Rules:**A-GENERAL**

1. Each team can have maximum 4 members. Members can come from different universities. But all them should have enrollment in undergrad curriculum.
2. Rounds can be modified on the basis of no. of entries etc.
3. Judges' and coordinators' decision shall be treated as final and binding on all. The co-ordinators reserve the right to change any or all of the mentioned rules as they deemed fit. Change in rules, if any, will be highlighted on the website and notified to the registered participants.
4. The following compartments could lead a team to be disqualified: (if necessary)
 - a) Evidence of non-respect to other teams and competitors.
 - b) Evidence of non-respect to rules.
 - c) Evidence of non-respect to competition judges.
5. Competition judges are not part of the competition committee; they are assisted by the Roborace Committee members, but remain completely free for their decisions. (If necessary)

B-GAME

1. Every team will be given only one chance to run their bot on the track in each round.
2. No restrictions on the number of bots and additional objects.
3. Voltage rating of any two point shouldn't exceed 48 volts.
4. If any interruption occurs during the game, teams will get 2 minutes to resume their demonstration.
5. Participants can bring their own equipment what may require during the contest.

Decision of Judges

Decision of the judges will be the final and judges are having the full rights to take any decision regarding results. Advisors of this competition have the superior power on judgment.

Changes to Rules and Deadlines

Contest organizing team reserves the full rights to change the rules & regulations and also the deadlines as well.

Contest Location

The competition (semi-finals, finals and award ceremony) will take place in Dhaka City. No TA-DA will be provided for any event.

Assessments and Awards

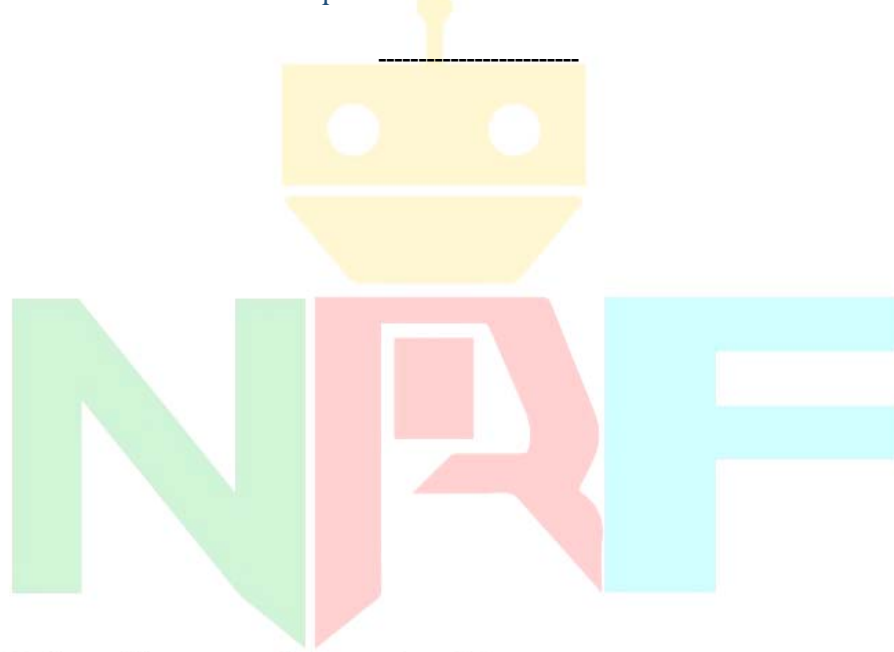
- Works submitted must meet content requirements and reflect the theme and mission set by the Competition Organization Committee. They have to be reflective of the concept.
- One winning team and One runners up team will be awarded with cash prize.
- Other shortlisted contestants will issue shortlisted certificate for contestants who have completed but did not receive any of the above awards and certificate for contestants whose works are not completed for some reason.

Consent

By entering this competition you are giving your consent with agreement that you read all the rules and regulations and you are agreed with these.

Registration & Abstract Submission:

1. Your team will have to get registered through this link[<http://goo.gl/LYnuhI>] before **February 3, 2014.**
2. Last Date of Abstract Submission is **February 4, 2014**
3. Submit your abstract (maximum two page) through mail [contact@esab.org.bd] and write [Abstract Submission] - [Group Name] - [Robots Got Freedom] as subject in the mail.
4. Only Selected team will have to **pay BDT 700.00 (for ESAB member - BDT 500.00) as the registration fee.** (Payment method will be circulated via email).
5. Selected teams' name will be published online.



Bring the machines to life
National Robotics Festival -2014
www.esab.org.bd/nrf