**International Islamic University Chittagong (IIUC)**

**Faculty of Science and Engineering, Tech-Fest 2020**

**Rules of Robo-Fight Competition-2020**

1. **Name of Event:** Megawatt Power Limited Inter University Robo-Fight Competition 2020.
2. **Prize Money:** Champion (20000 BDT), Runner up (15000 BDT).
3. **General Rules:**
4. ***Who can participate-*** Undergrad Students of EEE, ETE, CSE, CCE, ME, Mechatronics and Applied Physics from any public or private university of Bangladesh.
5. ***Formation of Team-***

\* Members- 5 members (1 team leader and up to 4 members (maximum)).

\* Team members from different universities is allowed

\* Team Name- Every team must have a name.

1. ***Robot per event-*** two
2. ***Length of each fight***- 3 minutes, Final Match (5 minutes).
3. ***Arena Specification****-* The fighting area is square shape having dimension 10X10 ft with 2 pits. (More details are coming soon in event).
4. ***Preparing Robot-*** Your fighting robot must be designed and prepared by you. A short interview will be conducted by expert members during preliminary assessment before starting the event to ensure the contribution of team members to build the robot. \*\*Any robot prepared by professional will be disqualified from the event.
5. ***Interrupting Wireless Communication-*** Any kind of jammer is not allowed (Team conducting such occurrence will be disqualified)
6. ***Reporting Time-*** Team will be disqualified from event if they fails to report in time. Reporting time will be informed.
7. ***Submission of Robot Specification-*** Every team must submit a detail specification list (e.g. name, quantity, specification, clear picture etc. for each part used) of the robot during preliminary assessment. Preliminary assessment will take place before commencement of fight.
8. ***Any kind of change in the construction*** of the robot (e.g. length, height, weight, any type of extra/modified/changed/excluded part etc.) after preliminary assessment will not be allowed.
9. ***Font Side of Robot-*** Every team must specify the front side of its robot before the commencement of its first fight. It must remain the same throughout the whole tournament.
10. ***Confusion in Rules-*** Any issue appear before and during the fight not stated explicitly/implicitly in the rules and regulations, the decision of the event committee and/or the judges in this regard will be considered final.
11. ***Any misconduct/offensive behavior*** (e.g. refusal to obey the rules/ judges' decision etc.) disrupting the discipline might lead to immediate disqualification from the fight.
12. ***Communication with Judges-*** Participants are not allowed to communicate directly with the judges during the event. For any queries they have to communicate with judges through two senior volunteers.
13. The event committee reserves the exclusive right to change/modify/add/cancel any rules/regulations stated before and during the fight without any prior notice/discussion/consent of any other person/party (including participants) involved/not-involved in the tournament.
14. **Robot specifications**:
15. ***Dimension-*** Robot must be able to be enclosed in a bounding box with having length 50 cm, width 45 cm and height 45 cm.
16. ***Weight Limit-*** Maximum weight limit is 15kg .
17. ***Kill Switch-*** Robot must have a kill switch that deactivates weapon and robot. This is for the safety of audience, judges and other participants.
18. ***Robot Type-***

\*Wireless Controlled or Semiautonomous.

\* Walking or wheeled.

\* Robot must be singular in form, secondary or self-propelled devices aren't allowed.

1. ***Wireless Communication-*** Any means of wireless communication is allowed.
2. ***Weapons-*** The robot can use robotic arm, any moving or rotating parts to hit the opposition. But the use of water, fire and any hazardous chemical in the fight is strongly prohibited.
3. **Judgment:** Two robots compete in a head-to-head match. Two/Three judges decide the winner considering the points based on following rules-
4. If you push (significant) opponent’s robot from side, back, front you will get 10 points (significant push defined as at least 10 cm displacement of opponent by pushing).
5. If you can flip opponent’s bot you'll get 60 points.
6. If you manage to fall opponents bot in a pit you'll get 40 points.
7. If opponent’s bot stuck in the edge of arena, then every push will be counted as significant push and you'll get 10 points.
8. If your robot is unable to move/immobilized (both wheel unable to move) you have to take restart or count down (10-0) will start and you'll be eliminated.
9. Restart time is 1 minute. For Every restart 40 points will be reduced from your total points.
10. You can take restart as much as you want, but in final battle you can take only 2 restarts.
11. If your robot’s weapon is remain functional after completion of fight you'll be rewarded 20 points.
12. For significant weapon hit you'll get 15 points.
13. There is no review option for the fights before semifinal. At semifinal and final round teams can appeal to review the result.
14. **How to register**:
15. **IIUC Students**

Students are requested to collect form and submit them to the respective faculty member as follows-

|  |  |
| --- | --- |
| **Name of Teacher** | **Dept.** |
| Engr. Md. Lokman Hossain, Lecturer | EEE, CSE |
| Mr. Mohammad Woli Ullah, Lecturer | ETE, CCE |

1. **Students from other universities**

Students from other universities can pay registration fee through bKash in following number. Then they have to complete the registration process submitting their registration information through the google form given below.

N.B. Students from other university must carry their ID card during event.

**Google Form:** [http://bit.ly/36l3ILB](https://l.facebook.com/l.php?u=https%3A%2F%2Fbit.ly%2F36l3ILB%3Ffbclid%3DIwAR3mqoZCrQRrkDk7prKFU9CtfOTMCZFL7nFzePO7xizUo_U9YjlAlycrsGI&h=AT3e1t9BQn278Kx0oKCBE0qKn1Qn7wJ3wV_J_nR2ETp4PBO1UlbOPmfXaAW55u3j1RjqYSOPweyyLk_dNngzcq22AjqdkkW34KL5zZ3fByt7zrdE5VgPqgP69KE5OWDw4mzw)

**bKash:** 01846033169

1. **Registration Fee:** 2000 BDT (who register on or before 12.1.2010)/ 2500 BDT (After 12.1.2020) excluding bKash service charge.
2. **For more Information:** Contact with Mamun Hossan (Phone: 01846033169), Student, 8th Semester, Dept. of EEE.
3. **Last Date of Registration:** January 15, 2020.
4. **Date of Event:** January 22, 2020.
5. **Place of Event:** Central Auditorium, IIUC.

**Mohammed Abdul kader**

**Convener, Robo-fight competition, Tech-Fest 2020**

**Assistant Professor, dept. of EEE.**