

Robowar (Institute level event)

Date: 30th March 2019

Venue: Student's Park

Prize: Rs. 45,000

Organising Team: Team Medextrous

Description:

Robowar is basically a fun event grabbing a huge amount of attention of the students from all the years. Fierce battle of the bots prepared by the students after long days of hard work and use of innovative mechanisms becomes an eye-catcher for the audience. Robowar should not be seen merely as a fight between two bots of metal, instead here students can learn about using different mechanisms and components like motors, drums, relay, coupler, servo motors and pneumatic mechanisms.

Rules:

- Each team can have a maximum of 6 participants.
- A team may consist of students from different colleges.
- Certificates of Excellence will be awarded to the top three teams.
- If the organizers doubt the safety of viewers due to a particular bot, then that team might be denied participation.
- In case of any disputes/discrepancies, the organizers' decision will be final and binding. The organizers reserve the right to any of the above rules as they deem fit. Changes in rules, if any will be highlighted on the website/Facebook page and notified to the teams.

Contact Information:

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Aditya Thakur – 9882061512

For more details, visit

<https://drive.google.com/file/d/12dZHgrl07jNXQaZH0kjVmufISz->

rjzKK/view?usp=sharing

Let's Clean (Department level event)

Date: 31st March 2019

Venue: Student's Park

Prize: Rs. 6,000

Organising Team: Team Medextrous

Description:

Team Medextrous brings to you an event which provides you an opportunity to build and be a part of mechanised cleaning to contribute in our nation's ambitious cleaning mission 'Swachh Bharat Abhiyan'. The participating teams will need to bring a bot that should be able to satisfy the requisite conditions and be able to clean maximum part of the zone in as less time as possible.

Rules:

1. The maximum number of members in a team is limited to 4.
2. The bot can be controlled through wires or wireless system.
3. The bot you build will be first checked for size and safety.
4. The machine must not contain any combustible, corrosive or other dangerous materials for safety reasons.
5. Power supply needs to be arranged by the participating team itself.
6. Waste pieces of maximum dimensions 15mm*15 mm will be scattered all over the arena.
7. Rules are subject to change as thought judicious by the organizers.
Participating teams will be notified about the same as soon as it happens.

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Bot Blitz (Department level event)

Date: 29th March 2019

Venue: Student's Park

Prize: Rs. 6,000

Organising Team: Team Medextrous

Description:

In this event, there will be small remotely controlled bots from outside the fixed arena with firing arrangements. Participation in the event will be in a team of two of which one will be the controller of the bot motion and other will periodically reload the bot. It will be a duel combat between two teams in which both aim for hitting the chassis of opposite bot and score points. Team with higher points wins the round. The firing controls and bot motion control will depend on the skill of the person controlling the bot. The decision about points tally and ethical playing tactics will be solely the organiser's discretion.

Rules:

1. The bot will be pre-loaded with balls which will be replaced periodically by the member (other than the controller) standing outside arena.
2. Bots will be reloaded at the end of each timed round and only when they are touching the boundary of the arena.
3. Combat will remain snoozed during reloading.
4. If the ball hits directly the opponent bot without making any ground contact, it will add **10 points** to the firing bot's team.
5. If the ball hits the chassis of opponent team at red spot (termed as **red shot**) pre-marked on both teams, the firing team will earn **15 points**.
6. If the ball hits the body of opponent bot, the firing bot will earn **2 points**.
7. Points tally will be maintained by the event organiser and can be checked.
8. If any of the above rules are violated, the team stands **disqualified** from the

event.

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For more details, visit

https://drive.google.com/file/d/1CPT4fukyMao40yR_6dVoaB2fTPu06sDm/view?usp=sharing

Pick and Place (preparatory level event)

Date: 29th March 2019

Venue: Student's Park

Prize: Rs. 6,000

Organising Team: Team Medextrous

Description:

Interested in making a robot that can pick things up and place them somewhere else. This is a preparatory event in which we will provide all the basic components required few days earlier before the day of competition. Different types of challenges will be there for the quick and precise picking & placing of the objects. The teams will compete in a well-designed arena; the best performer will emerge as a winner.

Rules:

1. A team can consist of a maximum of 3 members.
2. Only wired bots are allowed.
3. For the basic function of the bot such as gripping arm and lifting & dropping mechanism must be made by the materials provided. For other non-basic functions, you can also add your own components.
4. The bot you build will be first checked for size and safety.
5. The machine must not contain any combustible, corrosive or other dangerous materials for safety reasons.
6. Power supply will be provided by the organizing committee.

7. The shape of the block or object will be cuboidal or cubical made up of cardboard or paper and the maximum size of the object can be 10x10x10 cubic cm (cube) and 12x10x8 cubic cm (cuboidal).

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For more details, visit

https://drive.google.com/file/d/1mxTqMYuNug62_r6r0R5diq7R8V8uzJwj/view?usp=sharing

Ameya (quiz)

Date: 12th – 14th March 2019

Venue: Online Event

Prize: Rs. 2,000

Organising Team: Team Medextrous

Description:

We have been hearing this from our childhood, "All work and no play makes Jack a dull boy." Being in a college decided to acquiring knowledge and development of technical skills it becomes important to keep our mind running and fresh.

A step towards exploring the ways our brain works, pushing it a little extra to think beyond the normal, and also, test our knowledge against the common but brain-picking problems is AMEYA, the quiz organized by Team Medextrous. It will be organized online, the questions will be posted on the social media handles, while the response submission shall only be through the official page of the team.

Rules:

1. A total of 7 questions will be asked in a duration of 4 days.
2. After each question, 30 to 45 minutes will be provided to answer the question (depending on the level of question).
3. Points will be awarded on giving the correct answer within the specified time

limit.

4. The time taken by a participant to answer a question within the specified time limit will also determine the points awarded, i.e. 20 points for answering within the first 15 minutes after the question is uploaded, 15 points for answering between 15 to 30 minutes after the question and 10 points for answering the question after 30 min.
5. The participant securing the maximum points at the end of the seven question rounds will be declared the winner. In case of any tie, the decision of the winner rests with the organisers.

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