**ROBOVERSE**

***(ASSEMBLE YOUR BOTS!!!)***

**DATE OF EVENT:**  18th Jan,2020

**VENUE:** KC GROUND

**TIME:** 10:00am-4:00pm

**SUB-EVENT**: BLAZZING WHEELS (ROBO RACE), REAL STEEL (ROBO WAR), ROBO RUGGER (ROBO SOCCER), MAZEMICE (ROBO MAZE).

**BLAZZING WHEELS**

**REQUIREMENTS:** Full assembled BOT (DPDT controller, Chassis, 9V battery, 1-3m wire, maximum 4 wheels)/ Wireless Bots.

**ENTRY FEE:** 250rs. (4 participants per team)

**PRIZE MONEY:** For 1st: 3000

2nd: 2000

3rd: 1000

**HOW TO PARTICIPATE:**

* For the participation visit event website, nearby counter or poster for the **QR Code** for submission of your entry fee and your details.
* Upload your **TEAM NAME** and name of members.
* Bring your own equipment as mentioned as per requirement.
* For any kind of quires please go through the contact given on the event **website.**

**SPECIFICATION OF BOT:**

* **Lego kits** are strictly not allowed in any form.
* The **L X B X H** should not exceed **30 X 30 X 30 (cm).**
* The net weight should not exceed **3 kgs.**
* Wire should not be less than **1 meter.**
* However, a tolerance of **5%** is acceptable.
* Wired / Wireless robots are allowed.
* The allowed voltage to power the robot is **12V/ Laptop Charger**.
* **Creativity** within the parameters is allowed.
* The machine can be powered electrically only. The use of **an IC engine** in any form is not allowed.
* And for more details check out the **tutorial videos** on the event website.

**RULES OF BLAZZING WHEELS (ROBO RACE):**

* The team should not consist of more than **4 members**.
* This is a race against time event.
* Each participant will be allowed to run their bot on the **TRACK** individually and the time taken to run **ONE LAP** will be noted.
* Participant with shortest amount of time will be considered the winner.
* A **5 seconds penalty** will we added every time to the total sprint time when the **BOT gets stuck or deviates from the TRACK during the race.**
* Any kind of technical difficulty during the race due to which participant cannot complete their **LAP** will result in elimination.
* The Racing Track will be **1 FOOT** wide so construct/calibrate accordingly.
* Each participant will be allowed to race their BOT one time only.
* The robot should follow the robot specifications provided. Any deviation from the mentioned specifications will lead to disqualification.
* If the machine is wired than the wire should remain slack under all circumstances during competition. All Wires coming out of machine should be stacked as a single unit.
* **No test practice** will be allowed on the main arena.
* The structure of the robot should not be changed during the competition.
* Terminals for charging the battery will not be provided in the college.
* The arena may subject to change before the commencement of any round.
* The decision of the judges will be final and abiding. Argument with judges in any form will lead to the disqualification of the team.
* In case of a tie a single tie breaker round will be played.

**REAL STEEL**

**REQUIREMENTS:** Full assembled BOT (DPDT controller, Chassis, 9V battery, 1-3m wire, maximum 4 wheels, Maximum 5 motors allowed)/ Wireless BOT.

**ENTRY FEE:** 250rs. (4 participants per team)

**PRIZE MONEY:** For 1st: 3000

2nd: 2000

3rd: 1000

**HOW TO PARTICIPATE:**

* For the participation visit event website, nearby counter or poster for the **QR Code** for submission of your entry fee and your details.
* Upload your **TEAM NAME** and name of members.
* Bring your own equipment as mentioned as per requirement.
* For any kind of quires please go through the contact given on the event **website.**

**SPECIFICATION OF BOT:**

* **Lego kits** are strictly not allowed in any form.
* The **L X B X H** should not exceed **30 X 30 X 30 (cm).**
* The net weight should not exceed **4 kgs.**
* Wire should not be less than **3 meters.**
* However, a tolerance of **5%** is acceptable.
* Wired / Wireless robots are allowed.
* The maximum allowed voltage to power the robot is **12V/ Laptop Charger**.
* **Creativity** within the parameters is allowed.
* The machine can be powered electrically only. The use of **an IC engine** in any form is not allowed.
* And for more details check out the **tutorial videos** on the event website.

**RULES OF REAL STEEL (ROBO WAR):**

* The team should not consist of more than **4 members**.
* This is an **ARENA FIGHT**.
* It will be a **1vs1 BOT faceoff**, the first one to be pushed out of the arena **LOSES** the round.
* Elimination will be based on the best of **3 rounds out of 5 rounds in the dual**.
* The **ARENA** will be **5 X 5 ft.** so construct/calibrate accordingly.
* The robot should follow the robot specifications provided. Any deviation from the mentioned specifications will lead to disqualification.
* If the machine is wired than the wire should remain slack under all circumstances during competition. All Wires coming out of machine should be stacked as a single unit.
* **No test practice** will be allowed on the main arena.
* The structure of the robot should not be changed during the competition.
* Terminals for charging the battery will not be provided in the college.
* The arena may subject to change before the commencement of any round.
* The decision of the judges will be final and abiding. Argument with judges in any form will lead to the disqualification of the team.

**ROBO RUGGER**

**REQUIREMENTS:** Full assembled BOT (DPDT controller, Chassis, 9V battery, 1-3m wire, maximum 4 wheels), Ball collector (Ex. Metal Sheets)

**ENTRY FEE:** 250rs. (4 participants per team)

**PRIZE MONEY:** For 1st: 3000

2nd: 2000

3rd: 1000

**HOW TO PARTICIPATE:**

* For the participation visit event website, nearby counter or poster for the **QR Code** for submission of your entry fee and your details.
* Upload your **TEAM NAME** and name of members.
* Bring your own equipment as mentioned as per requirement.
* For any kind of quires please go through the contact given on the event **website.**

**SPECIFICATION OF BOT:**

* **Lego kits** are strictly not allowed in any form.
* The **L X B X H** should not exceed **30 X 30 X 30 (cm).**
* The net weight should not exceed **3 kgs.**
* A ball collector attached to your BOT is required for the game.
* Wire should not be less than **1 meter.**
* Tolerance of 5% is acceptable.
* Wired / Wireless robots are allowed.
* The maximum allowed voltage to power the robot is **12V/ Laptop Charger**.
* Creativity within the parameters is allowed.
* The machine can be powered electrically only. The use of an IC engine in any form is not allowed.
* And for more details check out the tutorial videos on the event website.

**RULES OF ROBO RUGGER (ROBO SOCCER):**

* The team should not consist of more than **4 members**.
* It will be a **1vs1 BOT faceoff**, in which each participant will have to collect balls of their assigned **colours**.
* In a span of **5 minutes** the participant has to collect more of his coloured ball to get the lead during the match.
* Every scored ball count as **10points.**
* If the participant scores wrong coloured ball it will lead to a penalty of **-20points.**
* **Elimination** will be based on the final scores including all penalties.
* No intervention of hands or any external source will be allowed.
* The robot should follow the robot specifications provided. Any deviation from the mentioned specifications will lead to disqualification.
* If the machine is wired than the wire should remain slack under all circumstances during competition. All Wires coming out of machine should be stacked as a single unit.
* **No test practice** will be allowed on the main arena.
* The structure of the robot should not be changed during the competition.
* **Terminals for charging the battery will not be provided in the college.**
* The arena may subject to change before the commencement of any round.
* The decision of the judges will be final and abiding. Argument with judges in any form will lead to the disqualification of the team.
* In case of a tie a single tie breaker round will be played.
* A detailed explanation about the rules of the event is provided at your nearby stall or you can go through the contacts given on the website.

**MAZE MICE**

**REQUIREMENTS:** Full assembled BOT (DPDT controller, Chassis, 9V battery, 1-3m wire, maximum 4 wheels, Maximum 5 motors allowed)/ Wireless BOT.

**ENTRY FEE:** 250rs. (4 participants per team)

**PRIZE MONEY:** For 1st: 3000

2nd: 2000

3rd: 1000

**HOW TO PARTICIPATE:**

* For the participation visit event website, nearby counter or poster for the **QR Code** for submission of your entry fee and your details.
* Upload your **TEAM NAME** and name of members.
* Bring your own equipment as mentioned as per requirement.
* For any kind of quires please go through the contact given on the event **website.**

**SPECIFICATION OF BOT:**

* **Lego kits** are strictly not allowed in any form.
* The **L X B X H** should not exceed **30 X 30 X 30 (cm).**
* The net weight should not exceed **3 kgs.**
* Wire should not be less than **3 meters.**
* However, a tolerance of **5%** is acceptable.
* Wired / Wireless robots are allowed.
* The maximum allowed voltage to power the robot is **12V/ Laptop Charger**.
* **Creativity** within the parameters is allowed.
* The machine can be powered electrically only. The use of **an IC engine** in any form is not allowed.
* And for more details check out the **tutorial videos** on the event website.

**RULES OF MAZE MICE (ROBO MAZE):**

* The team should not consist of more than **4 members**.
* Only **two member** of the team will be allowed near the **MAZE.**
* It will be a **MAZE** solving event.
* The path of the **MAZE** will be **35 X 35 cm,** so construct/calibrate accordingly.
* The robot should follow the robot specifications provided. Any deviation from the mentioned specifications will lead to disqualification.
* If the machine is wired than the wire should remain slack under all circumstances during competition. All Wires coming out of machine should be stacked as a single unit.
* **No test practice** will be allowed on the main arena.
* The structure of the robot should not be changed during the competition.
* Terminals for charging the battery will not be provided in the college.
* The arena may subject to change before the commencement of any round.
* The decision of the judges will be final and abiding. Argument with judges in any form will lead to the disqualification of the team.

**RULES OF EVENT:**

* Registration Should be done before **18th Jan,2020** with full details.
* Failing to reach the venue within the time will result in team elimination.
* Full event will be under surveillance and decision of organising committee will be final.
* Any kind of misbehaviour will not be tolerated and will lead to team elimination from the event.
* Late entries will not be considered, submit your entries within the time limit.
* Entries containing **any infringing, threatening, false, misleading, abusive, harassing, libellous, defamatory, vulgar, obscene, scandalous, inflammatory, pornographic or profane** content are prohibited.
* Decision of judges is final and absolute, challenging it will result in instant expulsion from the event.
* Defaming of any place, person or religion is not allowed.
* Misbehaving with any event organiser is strictly prohibited and will result in elimination from the event.
* Maintain the decorum during the event.
* Violation of any University rule may result in direct elimination from the event.

**COMBO PACK:**

* Per event will cost **Rs. 250 each**.
* If participated in all four events together will cost **Rs. 800**.