



SPANDAN TECH FEST OFFROADING

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WORTH
Rs.4500**



OFFROADING TRACK

**RULE BOOK
2023**
OFFROADING



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**DECEMBER
XX**

OFFROADING
SPANDAN TECH FEST

OFF ROADING

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INTRODUCTION

WELCOME TO ROBO RACE OFFROADING, WHERE COOL ROBOTS GO ON EXCITING ADVENTURES OFF THE NORMAL ROADS. THESE SPECIAL ROBOTS ARE REALLY GOOD AT DRIVING ON TOUGH AND BUMPY TERRAINS, LIKE ROCKY TRAILS AND MUDDY PATHS. IT'S A BIG CONTEST TO SEE WHOSE ROBOT CAN HANDLE THE WILD OFFROAD CHALLENGES THE BEST. THE FUTURE OF RACING IS HERE, AND IT'S ON OFFROAD TERRAIN. BUT HERE INSTEAD OF USING OFFROADING VEHICLES WE ARE USING ROBO-CARS. THE CHALLENGE IS TO BUILD YOUR OWN WIRELESS OR WIRED BUT WITHIN THE SPECIFIC DIMENSIONS IN ORDER TO ACHIEVE THE MAXIMUM SPEED TO BEAT OTHER BOTS ON THE GIVEN OFFROADING TRACK AND REACH THE FINISHING LINE IN MINIMUM TIME.

ELIGIBILITY

1. OPEN FOR ALL STUDENTS OF COLLEGE AND UNDERGRADUATE UNIVERSITY STUDENTS.
2. PARTICIPANTS MUST PARTICIPATE AS A TEAM OF NOT MORE THAN 04 MEMBERS.
3. CROSS INSTITUTION TEAMS ARE ALLOWED.

ELIGIBILITY

4. A PERSON WILL NOT BE ALLOWED TO REGISTER FOR TWO DIFFERENT TEAMS.

5. EACH OF THE TEAMS MUST HAVE THEIR OWN SOCCER ROBOT CAR AND CONTROLLER WHICH MAY BE WIRED OR WIRELESS. TWO DIFFERENT TEAMS WILL NOT BE ALLOWED TO PLAY WITH THE SAME ROBOT CAR. IF USED, THE TEAM WILL BE DISQUALIFIED IMMEDIATELY.

MATCH DETAILS

1. EVERY TEAM WILL HAVE TO PERFORM INDIVIDUALLY.
2. TEAM MUST FOLLOW ALL THE RULES AND REGULATIONS OF THE RULEBOOK

GENERAL RULES

- 1) THIS IS RACING EVENT SO FASTEST AND MOST BALANCED ROBOT WILL WIN.*
- 2) ROBOT SHOULD BE AS PER THE GIVEN SPECIFICATIONS.*
- 3) EACH TEAM CAN HAVE MAXIMUM FOUR MEMBERS. ONLY STUDENTS FROM SAME BRANCH CAN FORM A TEAM.*

GENERAL RULES

4) EACH MEMBER OF THE TEAM MUST CONTAIN THE IDENTITY CARD OF HIS/HER RESPECTED INSTITUTE.

5) THE ROBOT SHOULD NOT DAMAGE THE ARENA.

6) NO TEST PRACTICE WILL BE ALLOWED ON THE ARENA.

7) THE ROBOT MUST NOT LEAVE BEHIND ANY OF ITS PARTS DURING THE RUN; ELSE IT WILL RESULT IN DISQUALIFICATION

GENERAL RULES

8) CERTIFICATES OF PARTICIPATION WILL BE GIVEN TO ALL THE TEAMS THAT WILL PARTICIPATE IN THE EVENT, BUT NOT TO THE TEAMS WHICH GET DISQUALIFIED DUE TO DISOBEYING ANY OF THE COMPETITION RULES.

***STUDENTS ACTIVITY CELL RESERVES THE RIGHT TO ADD OR UPDATE ANY RULE.**

9) UNETHICAL BEHAVIOR COULD LEAD TO DISQUALIFICATION. JUDGES CO-HAVE ALL THE RIGHTS TO TAKE FINAL DECISION FOR ANY MATTER DURING THE EVENT.

ROBOT SPECIFICATION

- 1. BOTS MUST BE WIRED OR WIRELESS.**
- 2. USING ANY KIND OF NON-ALLDEVICE IS STRICTLY PROHIBITED AND WILL RESULT IN IMMEDIATE DISQUALIFICATION.**
- 3. WIRED OR EXTERNAL POWER SUPPLY IS ALLOWED. MAXIMUM: 12V,10A**
- 4. THE MAXIMUM DIMENSION OF THE ROBOT CAN BE 25 CM X 20CM X15 CM**
- 5. MAXIMUM WEIGHT MUST NOT EXCEED 3 KG**

ARENA SPECIFICATION

- 1. THE TRACK SURFACE AND COURSE LINE MAY HAVE UNEVENNESS.***
- 2. THERE WILL BE CERTAIN OBSTACLES IN THE RACE TRACK WHICH WILL TRY TO SLOW DOWN THE ROBOT.***
- 3. ARENA WILL CONSIST OF SWITCH BRIDGE, SPEED BREAKERS, MARBLE PIT, SLIPPERY PATH (BY GREASE), ROTATING DISC, CURVE RAMP DOWN, SEESAW ETC.***

MATCH DRAW AND DISQUALIFICATION

MATCH DRAW

**1. IN CASE OF A DRAW EACH TEAM
WILL BE GIVEN ONE EXTRA TRY**

**2. IF AGAIN IT CAME TO BE A TIE
THEN DECISION WILL BE MADE
ON FURTHER QUALITIES OF THE
ROBOT AND FINAL DECISION WILL
BE MADE BY THE JUDGES.**

MATCH DRAW AND DISQUALIFICATION

DISQUALIFICATION

- 1. EVIDENCE OF DISRESPECTING
TO COMPETITION JUDGES.**
- 2. EVIDENCE OF DISRESPECTING
SECURITY RULES.**
- 3. EVIDENCE OF
DISRESPECTING ANY OPPONENT
TEAM MATE.**
- 4. EVIDENCE OF
DISOBEYING THE GENERAL RULE**

RULES CHANGING DURING COMPETITION

**IF A RULE IS FOUND TO CAUSE
SIGNIFICANT NEGATIVE
IMPACT TO THE COMPETITION,
THE RULES MAY BE CHANGED
FOLLOWING ONLY FOR MAJOR
PROBLEMS, AS A LAST OPTION.
THE CHANGE MUST BE
APPROVED BY ALL TEAM
LEADERS (BY VOTING)**

REGISTRATION

**YOU CAN SCAN THE
BELOW SCANNER OR
CLICK ON THE LINK TO
REGISTER**

[HTTPS://DOCS.GOOGLE.CO
M/FORMS/D/E/1FAIPQLSDO
LVKJK5O0S5ZBJW-
GEYPESQISYNOKMCVCVXP
RoBPQLKYLBG/VIEWFORM
?PLI=1](https://docs.google.com/forms/d/e/1FAIPQLSDOLVKJK5O0S5ZBJW-GEYPESQISYNOKMCVCVXP_RoBPQLKYLBG/VIEWFORM?PLI=1)



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