

Championships

Definition: On ground technical tournaments being conducted in aaruush.

Events conducted in championships:

Turbodrift Quadcopter Robowars Unmanned Air vehicle championships etc

Events proposed for a23:

Quadcopters

Turbodrift

Arduino Championships

Coding Championships

Unmanned miniature boat racing

Robowars

Draft: Everything required to facilitate the event smoothly. It provides the event flow, workflow, judges, requirements, rules and regulations etc. All the necessary details will be present in the draft.

Format of the Draft:

Date

Venue

Heading

Introduction/ Brief description of the event

Objective of the event

Event description {Rounds, execution, steps taken in each round, elimination process}

Rules and regulations

Type of event (Team/ Singular)

Event flow {Reporting time, Valedictory, timings of the first round, break times etc}

Getting approval for any event which is to be conducted in Championships:

Design the draft

Submit the draft to CSI + Prize pool discussion with Finance

Submit the draft to the secretariat and to rathinam sir

Present the event plan to the core team

Changes and iterations on the even planning

A23 Event details:

Turbodrift

Number of participants: 4

Prize pool: 30K

Car track design

Car specs: remote controlled machine, powered by an IC Engine. Only Internal Combustion Engine is allowed, any other sources of nitro fuel such as chemical, gas, rockets etc are prohibited

Maximum allowed IC engine capacity is 4.6cc

Machine needs to have onboard supply of electric power to run any kind of mechanism and the total electric power must not exceed 48V.

Stages in TurboDrift:

Round 0: technical round where you have to show your cars and explain their fabrication

Round 1: Free Practice as the participant needs to get used to the track and can run test laps

Round 2: Qualification Round

Time trial. Teams will have to go 3 laps and the team which takes the shortest time would be given the most points

Round 3: Final Race

Number of tires used: 55 to 60

Quadcopter:

Number of participants: 11

Prize pool: 30K

Specs: Quadcopter should fit inside a box of dimensions 75 x 75 x 75 cm

Ready made Quadcopters are not allowed

Rounds:

Round 0: Elimination round

Pointing System:

Bonus points were given to the participants whose quadcopters were able to have an onboard HD camera and were able to display the video on an HD monitor.

25 points for additional accessories to the quadcopter

Based on the build, design and the quality of the quadcopter, additional points were also given

Round 1: Line follower

Round 2 Speed Race

Round 3: Obstacle course

General Requirements from other Committees/Teams/Domains

Publicity: CSI and Team Outreach

Requirements, Permissions: ORM

Crowd Controlling: ORM and CSI

Making Obstacles: Deco and Arts

Prizes, Banners: Finance

Sponsorship: SnM

Technical Support: Team Envision

External Participants: Team Outreach

Robowars:

Objective: showcase the technical advancements of robotics and the controlling abilities of the participants

Specs of the robot:

Dimensions should not be more than 750x750x100mm

Not more than 60 kg maximum tolerance of 1kg

Methods of mobility:

Rolling, Legged mechanisms,

Rounds:

Round 0: registered teams will have to submit a Team Description Paper by the link provided in the poster.

Round 1:

Battle royale to eliminate the robots. At the end of the round only 4 teams will move forward to the next round

Round 2:

1 v 1 for 20 minutes

Round 3:

Final Battle

A16 events conducted

robowars 60k upto 70k

sports 70k upto 1l

quadcopter 45k upto 70k

turbo driftdeathdrift 45 k

A17 events conducted:

sports

quadcopter

robowars

turbodrift

flash cinematography

A19 events conducted:

quadcopter - collab with idrl

HPVC

Championships Organisers:

A23 Suraj Aditya Ravi

A22 Ganesh sahaj

A21 Pranav, Harshith

A20

A19 nandha gopal

A18 balagiridhar