



Bot-Bolt RuleBook

Organized by: R-tist, Robotics Club of NIT Jalandhar in TechNITi

Last date of Registration: 24 Feb 2023

Competition Venue: In Front of New Lecture Theater

Team Size: Maximum 4 members per team

Eligibility:

- The competition is open to students of all disciplines.
 - All team members must be registered for the competition.
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Bot Specifications:

- Maximum dimensions of bot can be : **25x25 cm** (length x width)
- Bot can be wireless or wired control
- For wireless control you can use **Bluetooth / IoT / RF-TF modules**
- For Wired bots wire should be of **minimum 2m length**
- The weight of the robot should be **no more than 4kg**.
- No restrictions on what Microcontrollers and Motor Drivers you use.

- Ground clearance must be **higher than 2.5cm**
- Only Four Motors are allowed but there is no restriction on type and power rating of that motors.
- Only Li-ion batteries are allowed and of max 12V. You can use combinations of 3.7V Li-ion cells but in that also total voltage should not exceed 12V.

Track Specifications:

- Width of Track is **40cm**
- It will contain some props like cubes or spheres as hurdles



- Track image

For 3D view visit <https://a360.co/3ROaQZl>

Judging Criteria:

Bot-Bolt is divided into 2 Rounds

Round 1

- Round 1 is basically on basis on Bot's design and Technical inspection
- Teams must successfully guide their bots to the artist's emblem on the track in order to advance to round 2.
- Marking will also take into account the amount of time and attempts

Round 2

- Round 2 will be harder because teams will only have three attempts.
 - Teams must once more reach the rtist logo as the checkpoint in order to come off the track using any of the exits, ascend the track once more, and then select the second exit.
 - Time spent and number of attempts will determine the winner.
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Disclaimer:

- The organizers reserve the right to modify the rules and regulations of the competition as they see fit.
 - The decision of the judges will be final and binding.
 - By participating in the competition, the teams agree to abide by the rules and regulations of the competition.
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Contact:

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