GTU TECHFEST 2017

Gujarat Technological University,
Established Under Gujarat Act No.: 20 of 2007

Website: techfest.gtu.ac.in
Email: gtutechfest@gtu.edu.in

Venue:
L.D. College Of Engineering,
Near Gujarat University,
Ahmedabad - 380015,
Gujarat.

Clash Of Clans

"THE ULTIMATE DEFENDER"

Abstract:

Nowadays every country has to think over defense. This event is based on **Robo Defence.** Design a Mighty robot that should be able to defend against light and heavy firing of spears, balls etc. It should be able to pick and carry obstacles to build The **Defence Wall.**

Problem Statement:

Make your own Bot to defend against the ball throws. It should be mighty and able to take rapid action. The ball firing is done automatically and randomly and balls runs over the slope up to some height and bots have to defend themselves against the balls.

Specifications:

- The maximum dimension of the robot can be 30 x 30 cm (l x b).
- The robot may be wired or wireless.
- The length of the wire (for wired bots) should be long enough to cover the whole track and wire should remain slack during the complete run.
- Max weight of the robot must not exceed 8 kg.
- The power supply of maximum 24V can be used.
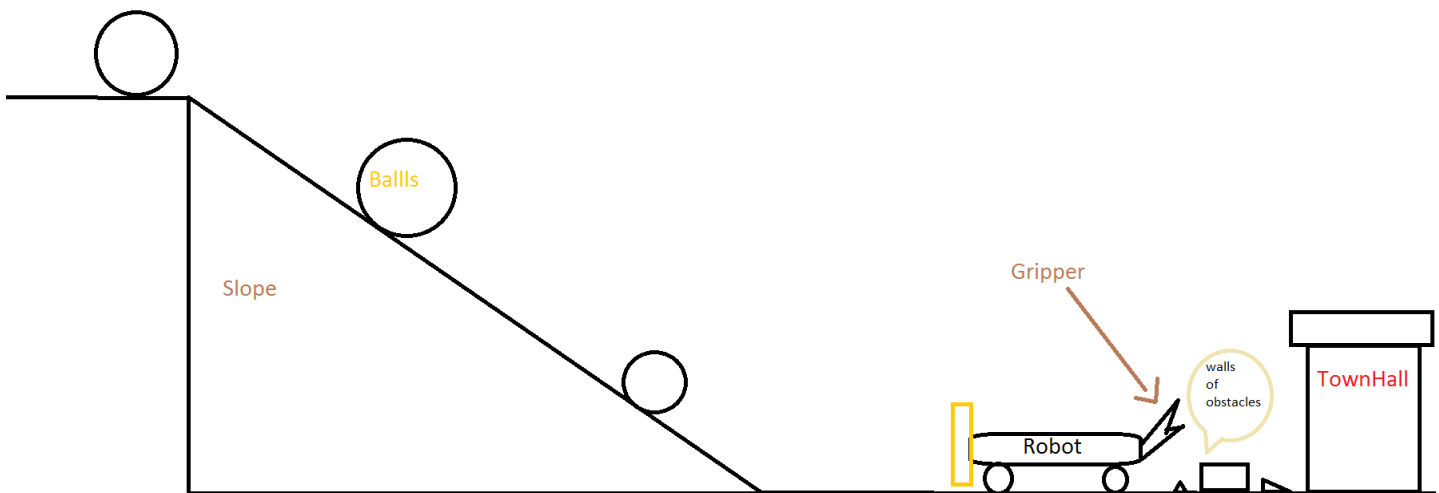- If using pneumatics, then max pressure limit is 6 bar.

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Rules:

- The robot should be made as per the given specifications.
- The robot should not damage the obstacles.
- Readymade toy cars are not allowed.
- The decision of event managers cannot be challenged.
- Strict discipline should be maintained during the event.
- Violation of any rule will be followed by instant disqualification.

Judging Criteria:

- The more balls strike to town hall and the other stuff it will get defense minus points. Participants have to protect the village against the balls.
- Other factors for deciding the winner.
    - Design of Robot.
    - Performance.

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- o Wall Building Strategy.

- Participants and the teams securing Top 3 position along with complying to all rules and regulation will be awarded with GTU Techfest 2017 Participation Certificate and Winner Certificate respectively.

Team size: Maximum 4 participants

Registration Fees: Rs. 250 per Team

Event Manager Contact:

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