



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.

DOTA (DEFENCE OF THE ANCIENTS)

"LE PANGA"

Abstract:

Last year India brought the kabaddi world cup home yet again. It took years and years of blood and sweat to make the nation proud. Now get yourself inspired and bring in yourself virtually and let your robots spill some nuts and bolts and do their job to make YOU FEEL PROUD. Build brawny, manual robots, to raid the opponents and fetch your team some valuable points. Let the Hu-tu-tu begin.

Problem Statement:

Design two manually controlled ROBOT , one should have raiding and other should have defense ability, challenge the other bots team, and be one of the best opponents. One bot will raid and take points and other bot will defend the territory. If possible make hybrid robots which have both the abilities. If so get it on the track and let the game begin.

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 game.
- Max weight must not exceed 6 kg each.
- The power supply used should be maximum 24Volt.



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Scoring system:

- The RAIDING BOT will get one point on crossing the Bonus line.
- The DEFENDING BOT will get one point on restricting the RAIDER to not cross the bonus line.
- Number of raids per team will be 5
- Raiding time will be 30 sec.

Rules:

- Robot team with more points will win.
- Robot should be as per the given specifications.
- The robots should not damage the arena.
- The robots must not leave behind any of its parts during the game; else it will result in disqualification.
- Gripping of the opponent is not allowed.
- Readymade toys car 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.



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Judging Criteria:

- Total Points will be taken into consideration.
- If the points are same then time will be considered.
- If points and time are same then the bot which is light in weight will win.
- After all conditions the winner will be decided by event manager.
- 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: 4 Members Per Team

Registration Fees: Rs. 250 per Team.

Event Manager Contact:

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