



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.

CAT-A-BALL

“DASH IF YOU CAN”

Abstract:

“We are all bowlers, trying to reach our goals, and once we have hit the correct pin the rest will come tumbling down.”

Welcome to a place for Engineers to exhibit your knowledge of building mechanisms rapidly and solve the task which is given at that moment. So if you're ready to show your geometry and physics skills then come and enjoy this engrossing field with the most effectual mechanism from teak wood and spring.

Problem Statement:

Participants have to design a firearm using any convenient mechanism and have to demonstrate the accuracy of their firearm. Prior to that, participants have to design very simple mechanism to dash bottles by given ball. Dimension of mechanism and range will be specified on the spot.

Specifications:

- Participants have to design “FIREARM” using different types of mechanisms.
- Maximum dimensions for the mechanism in ideal position: $x \text{ cm} * x \text{ cm}$ for the base.
- Machine should include a ‘Trigger’ mechanism.
- Mechanism should be capable of changing the targeting range and ditch the obstacles.
- The target range may vary from $x \text{ m}$ to $x \text{ m}$.



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Rules:

- Participants will be provided the necessary materials needed for the development of firearm. If your requirement is specific, please confirm from the event managers at least a week before the event whether you are allowed to bring it or not.
- Participants will have to use the same machine for whole tournament.
- The teams must report at the time allocated to them.
- 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:

- Judgment will be done on the basis of accuracy and finishing.
- The points which you will get by hitting the target will also be considered.
- Innovative design of the mechanism will be taken into account.
- Participants and the teams securing Top 3 positions along with complying with all rules and regulation will be awarded with GTU Techfest 2017 Participation Certificate and Winner Certificate respectively.

Team size: Maximum 4 Persons

Registration Fees: Rs.50 per Person

Event Manager Contact:

Kaushal Patel

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Email id: kevinpatel2406@gmail.com

Mihir Datta



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