

INNOVATEX 4.0 – Presidency University

MakerSpace Cluster | Standard Rule Book Format

Event Overview

Field	Details
Event Name	TOWER TITANS
Cluster	MakerSpace
Category	Fun Game / Physical + Creative Challenge
Mode	Offline
Team Size	Team of 2 Members
Duration	1 Day

Event Task / Objective

To test participants' creativity, structural design skills, teamwork, and time management through a fun engineering challenge.

Each team must build the **tallest free-standing structure** using the materials provided within the given time.

The event promotes:

- Team bonding
- Creative thinking
- Structural stability concepts
- Problem-solving under pressure
- Fun competition

Design / GAME FORMAT

Round 1: Foundation Build

How it Works:

- Teams receive base materials.
- They must design a strong foundation.
- Structure must stand without support.

Time Limit: 20 minutes

Judging:

- Stable base → Qualified
 - Collapse → Eliminated
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Round 2: Height Extension

How it Works:

- Additional materials will be provided.
- Teams extend their structure vertically.
- No external wall/floor support allowed.

Time Limit: 25 minutes

Rules:

- Structure must stand for 20 seconds after completion.
 - If it falls → One retry allowed (5-point deduction).
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Round 3: Final Stability Test

How it Works:

- Final height measured.
- Judges test stability using:
 - Table vibration OR
 - Light air blow (fan)

Time Limit: 10 minutes testing

Winning Criteria:

- Tallest + Stable structure wins.
 - If collapsed → Height before collapse counted with penalty.
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General Guidelines

1. Only provided materials must be used.
2. No pre-built parts allowed.
3. Teams must report 15 minutes before the event.
4. Judges' decisions are final.
5. Any unsafe behavior leads to disqualification.
6. One retry allowed only in Round 2.



Safety Rules

- No sharp tools without permission.
 - No damaging event property.
 - Participants must handle materials safely.
 - No interference with other teams.
 - Organizers are not responsible for personal belongings.
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Event Phase / Structure

Phase	Description	Duration
Phase 1	Registration & Briefing	30 min
Phase 2	Round 1 – Foundation	20 min
Phase 3	Round 2 – Height Build	25 min
Phase 4	Final Round & Results	15 min



Judging Criteria

Criteria	Weightage
Structural Stability	30%
Maximum Height	25%
Team Coordination	20%
Creativity & Design	15%
Rule Adherence	10%



Scoring Overview

Parameter	Max Points
Round 1 Performance	20
Round 2 Height	30
Final Stability	25
Creativity	15
Discipline	10
Total	100

Penalties & Disqualifications

Violation	Penalty
Using external materials	Disqualification
Damaging materials deliberately	-20 Points
Structure supported by wall/person	Disqualification
Unsafe behavior	Immediate Disqualification

Awards & Recognition

Category	Prize	Remarks
1st Prize	₹1,000	Winner

Event Team

Role	Name	Department / Club	Contact
Faculty Coordinator	Dr. Divyarani MS	ECE	—
Event Lead	ANTONY KENSON J	CSE	8870316876



General Instructions

- Follow all university rules.
 - Respect judges and volunteers.
 - Maintain discipline throughout the event.
 - Judges' decisions are final and binding.
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