

# **POPSICLE MANSION**

**Date: 14<sup>th</sup> April 2017**

**Venue: Garden in front of Chancellor's office**

**Time: 11am**

## **Introduction**

Do you wonder how safe your home or office building is during an earthquake? TECHNOVATION provides you with an opportunity to design and build a resistant structure to withstand earthquake, and ensure minimum inter-storey drift.

Design and build a two storey structure that can withstand maximum vibrations and shows minimum inter-storey drift. The building should incorporate advanced earthquake resistant techniques like cross bracings, base isolation, tuned mass dampers, trusses, etc.

## **Team specification**

Individual participation or a team of 4 members are allowed

## **General rules**

- Constructed structure should be brought by participants.
- The building's each floor area must lie inside a square of 12x12 inches.
- The clear visible height of the building must be 25 inches with an allowance of +/- 10mm.
- Structure should contain a slot on the top surface to balance a ball of mass 250-300gms.
- Material that can be used are Popsicle sticks, wooden sticks, light cardboard, straws. Use of any other materials should approval from the organising team via email ([events.technovationlpu@gmail.com](mailto:events.technovationlpu@gmail.com))
- A maximum of four columns must be present on all four corners to connect the two floors (i.e. a total of 8 columns can be used).

**Co-ordinator details**

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