

# IIT-Gn to test student skills at earthquake resistant building competition

*The students will be tested on the stability and endurance of their mock-buildings*

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Amalthea 2014, IIT Gandhinagar's (IIT-Gn) tech fest, scheduled to take place this Saturday will have students of architectural and engineering colleges test their skills on earthquake-resistant buildings.

An event called "Seismism" will have the students making building designs that will be tested on its stability and endurance during an earthquake.

The event aims to arouse interest and the awareness for the need to work on earthquake-safe buildings among students.

Event coordinator Shubham Patle said, "Gujarat lies in a high-earthquake prone zone. Likewise many of the prominent Indian cities lie in high damage seismic risk zones, New Delhi and Chandigarh

being in Zone 4.

With the pace at which new residential apartments and shopping malls are being constructed in these cities, the possibility of hazards during an earthquake is also high.

"We need to design all the structures in these regions to prevent economic and loss of life at the time of any unfortunate event of an earthquake is minimised."

The event has received around 20 entries from different colleges from various parts of Gujarat. The participants have to design a building which should withstand wide range of seismic conditions.

The model building will stand on a ply base with a thickness not more than 8mm and the height, length, weight should not exceed 40 cms.

The buildings have to be constructed out of popsicle sticks, fevicol and other supporting materials such as rubber bands, small nails and strings. IIT-Gn students have designed a shake table to simulate earthquake-like situations and test the endurance of the buildings.



## AVERTING TRAGEDY

- Shake table stimulates earth-quake like conditions
- was conceptualized and created by IIT GN students
- Students took cue about design after studying various earthquakes across India
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**SHUBHAM PATLE**  
event co-ordinator