



# MEGALITH'11

DEPARTMENT OF CIVIL ENGINEERING  
IIT KHARAGPUR



## CRIAR –a structural modeling event

For a long time earthquake risk was considered unavoidable. It was accepted that buildings would be damaged as a result of an earthquake's ground shaking. However, civil engineers as designers played a major role in making a difference, in minimizing the damages by proper designing the structures and taking other useful decisions.

Play your role in making a difference in the world by making it a safer place to live.

Construct your own model of earthquake resistant building by making optimal use of the resources available.

Rules and Regulations:

- Max. no. of team members : 5.
- There will be 2 rounds.
- First round is a written round in which knowledge of participants about earthquake resistance structures will be checked.
- Selected teams will take part in the structure modeling round.
- Teams will be provided with the materials and necessary tools. Material will be told on the spot.
- Details of model like height, plan area, no. of storey, etc. will be given on the spot.

Judging Parameters:

- Testing of the structure will be done on uniaxial testing machine which provides earthquake like motion.
- Structure able to withstand maximum vibration will be the winner.
- In case of tie amplitude of shaking will be seen
- Other parameters will be told on the spot.
- The decision of judges is final and binding.

For any queries related to event contact:

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