

# BCA Academy Students Bagged Top Awards in National Competitions

March 2019

Photo story by:  
SL/SBD Dr. Mano Kalaiarasan



# Seismic Design Competition 2019

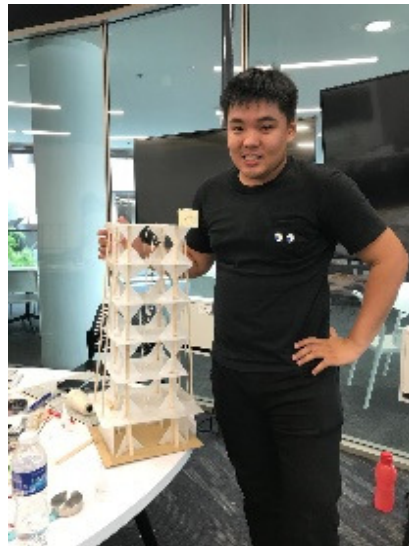
Jointly organised by IES and NTU, this competition was opened to tertiary students.

BCA ACADEMY

Held on 29 March 2019

*BCAA sent a team of 3 students from the Diploma in Construction Engineering*

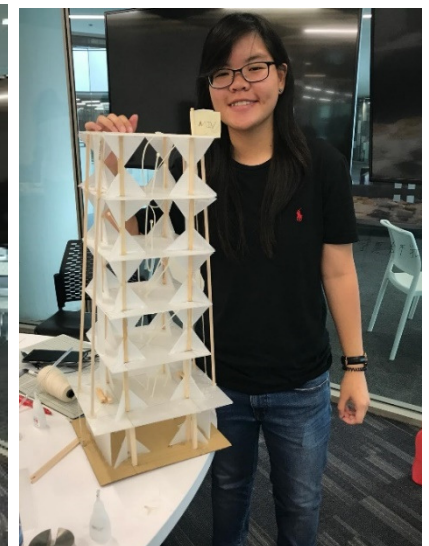
*BCAA team Challenged 11 university teams from NUS, NTU, PSB Academy, SUDT, SUSS, SIT*



Irfan Enkisra



Nguyen Viet Anh



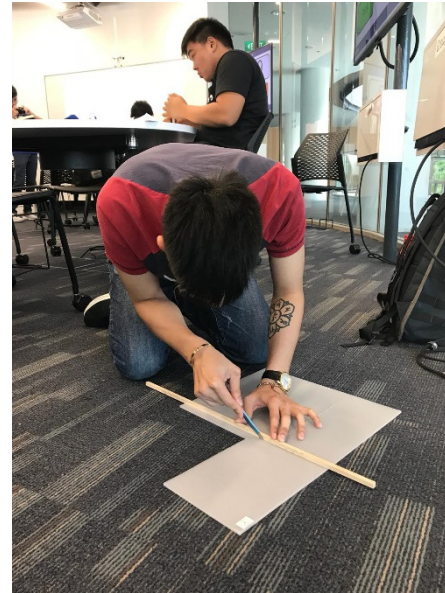
Long Yilin

**Problem Statement:** to build a 5-storey with basement earthquake proof building model for testing in a shaker table

**Materials provided:** balsa wood, bass wood, grey board, corrugated plastic board, string and superglue

# Seismic Design Competition 2019

BCA ACADEMY



Model making



Posing with the completed model

Students applied knowledge and skills acquired at BCAA to plan, analyze and design the structure

*Judges were impressed that BCAA team's model was found to be earthquake proof.*

# Seismic Design Competition 2019

Set-up and testing of model on shaker table and testing to Failure

Team formed by BCAA students **beat other University teams** to clinch the **First Prize**

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- Building model is subjected to earthquake forces
- Failure is assumed when model cracks, collapses or attain large undue deformations

BCAA team emerged as the Champion



**Well Done Brave Warriors Was The Overall Champions. BCAA team beat the Uni Teams...!!!**