

BCA Academy Students Bagged Top Awards in National Competitions

March 2019

Photo story by:
SL/SBD Dr. Mano Kalaiarasan



NTU Bridge Design Competition 2019

An annual competition organised by NTU

BCAA students have been sweeping the **top prizes** in past years' competitions under the Polytechnic category

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Year 2016

Year 2017

Year 2018

Swept top 4 prizes



1st Prize

2nd Prize



3rd Prize

4th Prize

Bagged 2nd Prize



2nd Prize

Swept 1st, 5th Prizes and Most Favourite Design award



1st Prize

5th Prize



Most Favourite
Design Award

NTU Bridge Design Competition 2019

This year's competition was held over 2 days on 9 & 10 March 2019

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***Polytechnic Category
was participated by 38
teams (local
polys/overseas polys/
BCAA)***

***BCAA sent 16
Enthusiastic and
Motivated Teams (from
CE, ME and Archi
Diploma)***



NTU Bridge Design Competition 2019



Students listening attentively during competition briefing on rules and design case



Teams purchasing materials with the 50 tokens given to them

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Dr Mano encouraging BCAA participants

Competition Day 1:

- Briefing
- Preparation
- Model Building

Teams were given 6 hours to analyze, design and construct prototype bridge using balsa wood, bass wood and cyanoacrylate adhesive

NTU Bridge Design Competition 2019

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Teams proudly presenting their prototype bridge model



Teams hard at work – Analyzing and designing Bridge



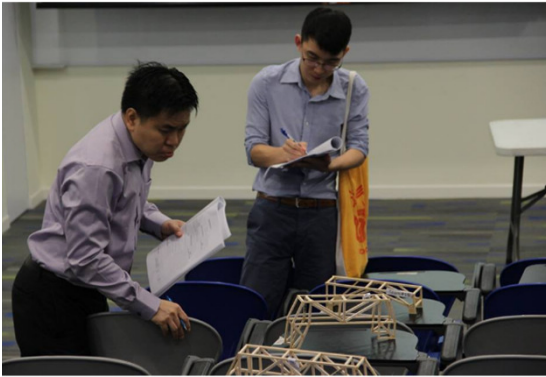
Competition Day 1:

- **Briefing**
- **Preparation**
- **Model Building**

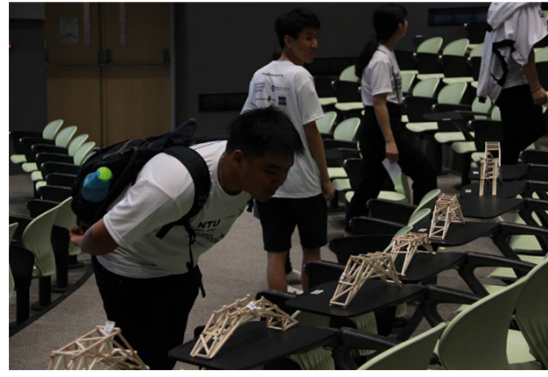
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NTU Bridge Design Competition 2019

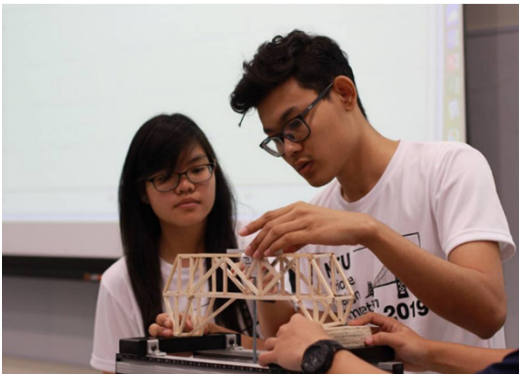
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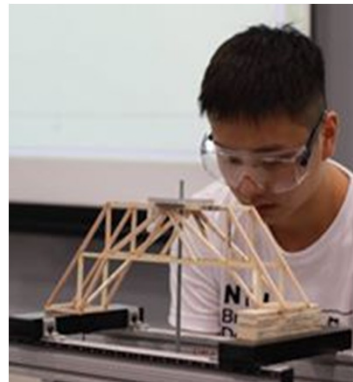
Judging of Aesthetics assessment by judges / Voting for Most Favorite Design by participants



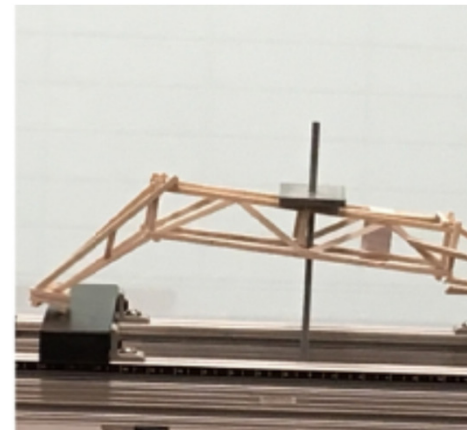
- Bridge model is set-up on load testing machine
- Load is applied by team until failure



Set-up bridge model on load testing machine



Team member applying load to bridge model



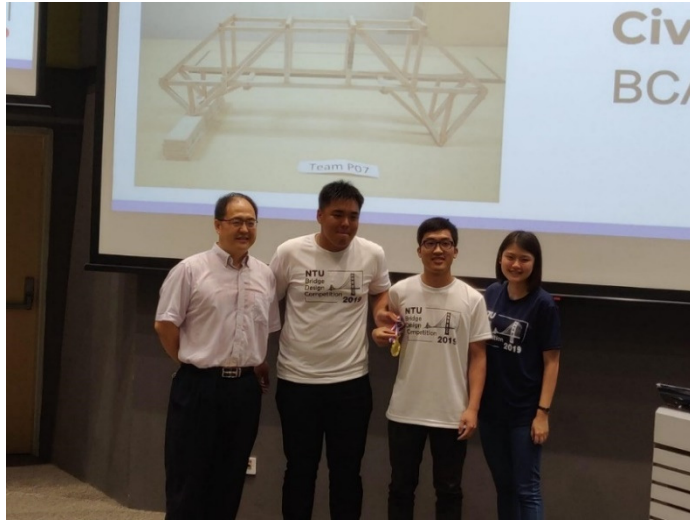
Bridge fail after load testing

Competition Day 2:

- Judging for Aesthetics and Most Favorite Design
- Load failure test

NTU Bridge Design Competition 2019

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2nd Prize Winner

Irfan Enkisra & Tran Huu Duc
Diploma in Construction Engineering



Most Aesthetic Design Award

Long Yilin & Tin Moe Oo
Diploma in Construction Engineering

**Well Done to Our 2019 Warriors for Winning
Prizes in the Competition**