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# **Hitting The Mark - Outstanding Performance from students of Diploma in Construction Engineering (DCE)!!**

**NTU Bridge Design Competition 2016**  
(19 & 20 March 2016)

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# What is this competition about?

*Yearly event  
since 2014*

*For civil engineering  
students to  
demonstrate knowledge  
in structural design*

## 2 categories:

- **University: 42 teams**  
(S'pore/Indonesia/Malaysia)
- **Polytechnic: 26 teams**  
(local polys/BCAA)

*Team to design & construct  
3D-model of a bridge with  
provided materials  
(balsa wood, nylon thread and  
cyanoacrylate adhesive )*



**Organiser:**  
NTU Civil and  
Environmental  
Club

**Sponsors:**  
Building and Construction Authority

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CHYE JOO CONSTRUCTION PTE LTD

hardwareonline  
we are selling convenience

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# Our BCAA Student Warriors

**7** teams

**14** DCE students





Paying full attention to pre-competition briefing.....



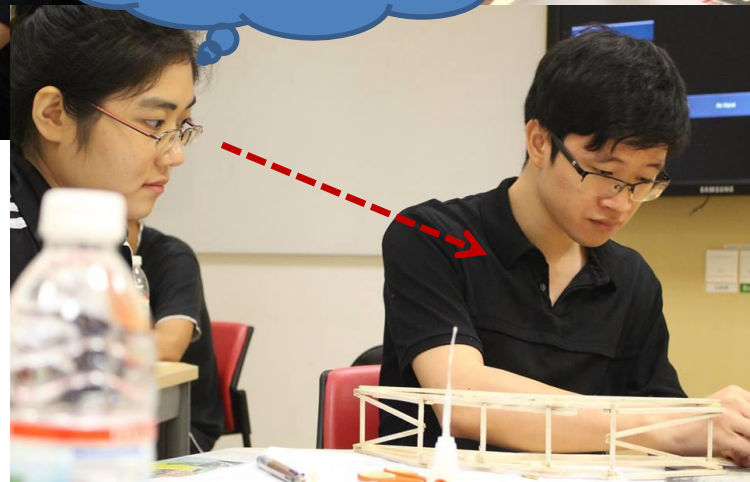
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Sir, I have something to clarify.....

Let's get started.....

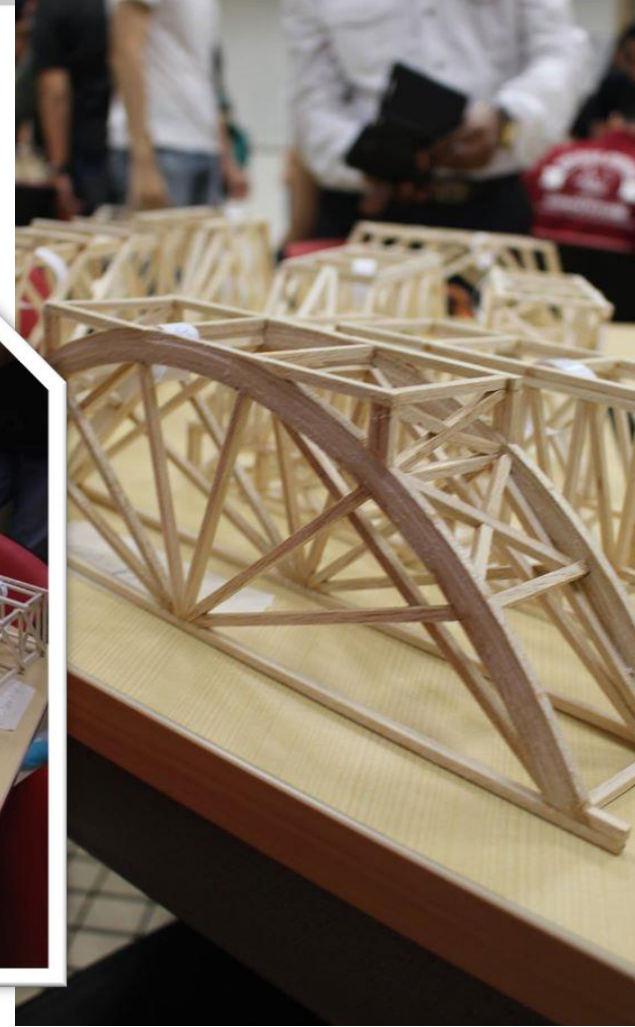
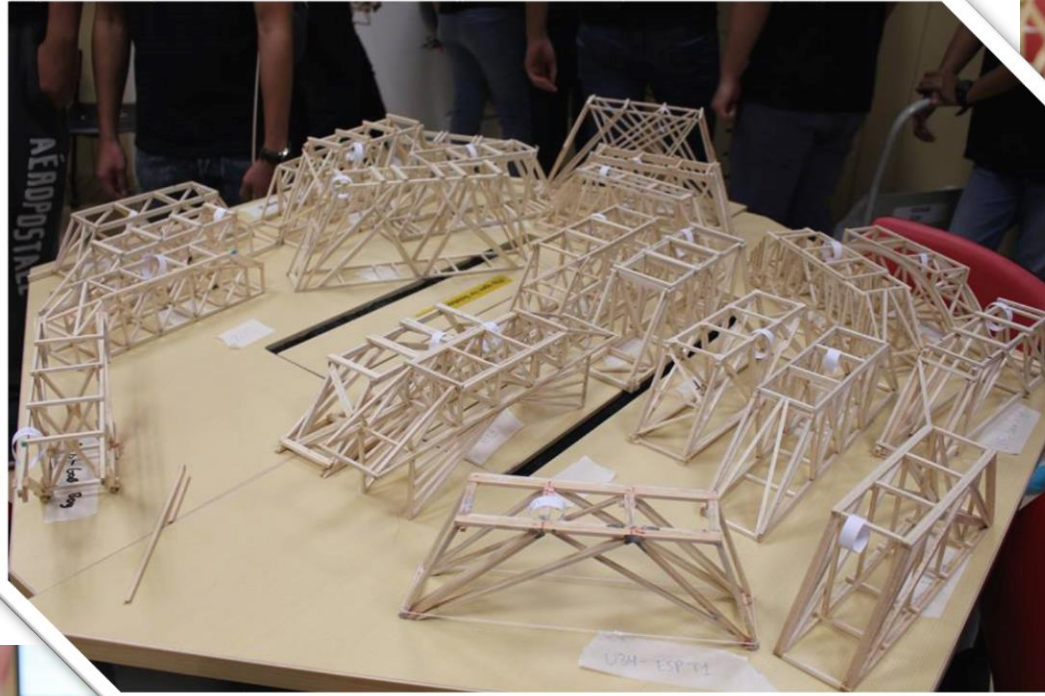


Are you sure it's like that?



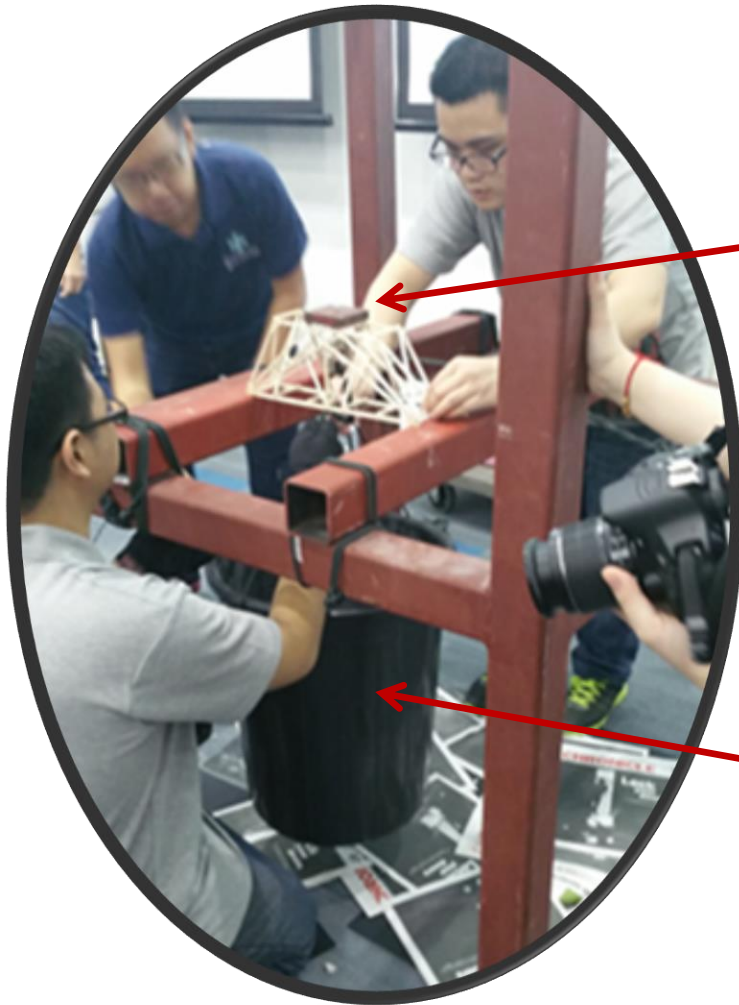


# Some of the bridge models.....

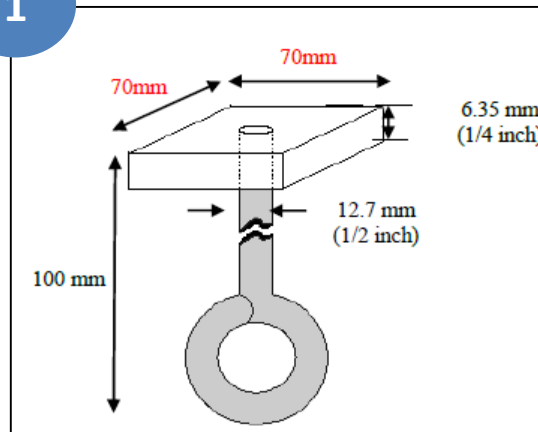


# Loading Failure Test..... How is it done?

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1

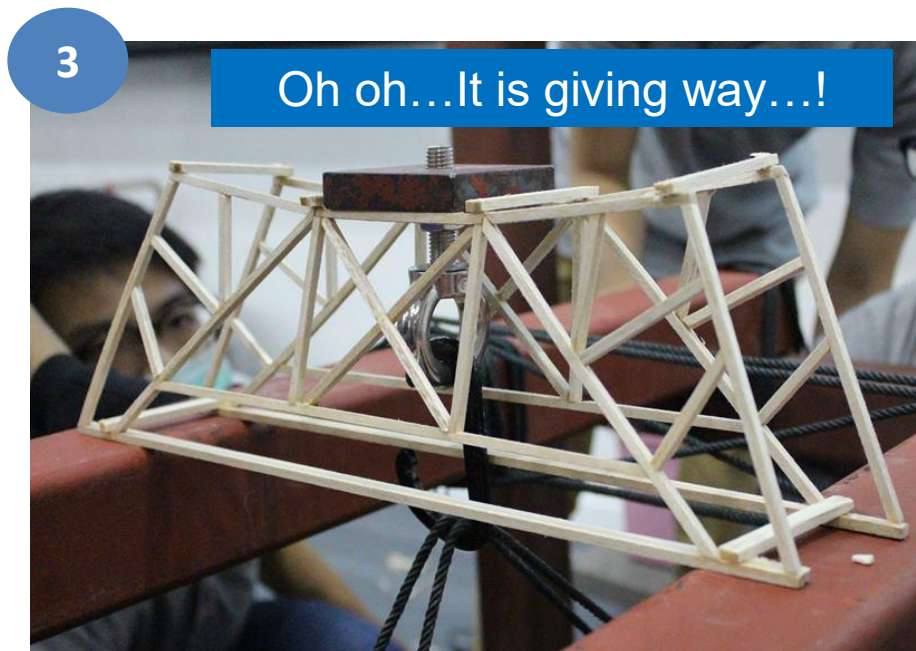
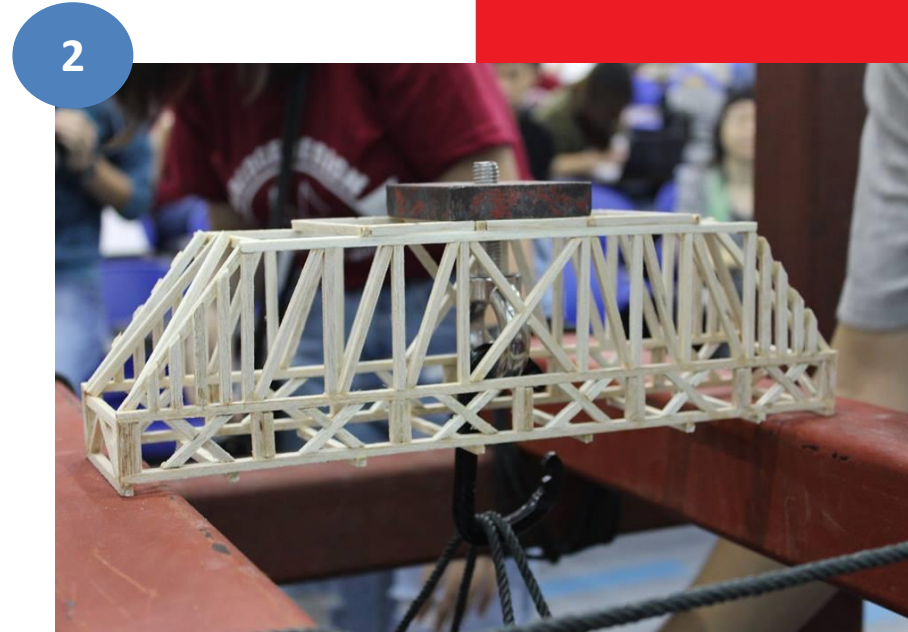


2

- Dumbbell plates (10kg – 10kg – 5kg) will be used as the starter weight while aggregates will be used as the subsequent loading weight.
- All weight will be placed inside the pail.



# Loading Failure Test..... In action



Oops....Gone!

Oh oh...It is giving way...!

# BCA Academy Teams' Achievement



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**The winning team  
set a new loading  
record across all  
categories!**

(Bridge weight @ 22g / Failure  
load @ 50.03kg)

**Swept Top 4  
prizes in**  
Polytechnic  
category

**Bagged 5 Top  
prizes in top 10  
positions in**  
Polytechnic  
category

**1<sup>st</sup> Prize**

**Shi Huai & Wang Jiang**



**2<sup>nd</sup> Prize**

**Zhou Miao Miao & Chen  
Nengjian**



**3<sup>rd</sup> Prize**

**Chen Xing Yu & Ma Ming  
You**



**4<sup>th</sup> Prize**

**Li Juan & Wang Jian  
Zheng**





**Well done! Thank you for the strong showing!**



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1<sup>ST</sup> PLACE

GOODBYE  
BCA ACADEMY



2<sup>ND</sup> PLACE

ALPHA  
BCA ACADEMY



3<sup>RD</sup> PLACE

SA-BCA  
BCA ACADEMY

