Event: Masonry Miguel

Description

"Masonry Miguel" is a technical event involving the making of straight fly ash brick wall without any support i.e. Brick bats, Closers or Mortar. This event will lead the participants towards team building, coordination & effective execution considering the technical aspects as an "Engineer". In this event, participants can showcase their technical knowledge & understanding to make a brick wall straight & tall. Participants can learn to apply the knowledge of wall construction, bond type, brick layer arrangement, laying of course & making joints for the straight & taller wall.

General Rules

A.	Mandatory Clause	
1.	Brick laying	- Brick laying consists of making a wall with no Support, i.e. Brick bats, Closers or Mortar. - The wall must be standing. The thickness of wall will be of width of one brick only. As & when the brick wall collapses, participants will have to stop making wall further.
2.	Brick size	- Participants will be provided the bricks on the event venue.
3.	Length of Base Course	- Maximum 280 cm is restriction on the length of base course. Participants can use their intelligence to make the wallstanding to maximum height.
4.	Material	- Fly ash brick of size 23cm X 10.5cm X 10.5cm only.
5.	Regulations	- No cementing material is provided for the bonding between brick layers. - Participants can neither support wall using any object or instrument nor manually. - Participants must execute & fulfill the requirements as per their own understanding & intelligence. - All the participants must be wearing robust & heavy shoes while involved in the event.

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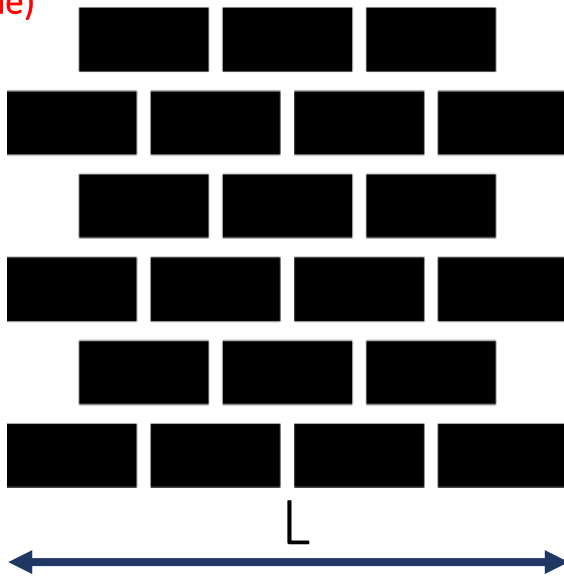
			- Participants can wear gloves if there will be any requirements by their own (lifting of heavy object is involved). - Participants has to choose bricks wisely after the failure of the wall the participants has to put in its origin place. - Students are not allowed to adjust or move any of the brick once the brick course is completed. - Any misbehavior, mischievous actions, unnecessary objections will lead to disqualification. - **Participants have to make next course after completing the current course.** - **The decision & judging criteria will be in the hands of event coordinators.** - The total time for making wall will be 15 minutes. - After that 5 minutes will be given to put all the bricks in its original place. If any group fails to do so then that group will be eliminated from the event.
B.	Judging Criteria		
	1.	Formula	- The evaluation & judgment will be based on the below given formula. - <u>Refer the illustration at the end</u> $$\frac{L}{n} \times C \ (\textbf{\textit{Total number of successive course}})$$ Where, L = Length of the base course in cm (lower most course) n = Number. of bricks used in the base course (fully complete) C = Total number of successive courses built. - The courses which are similar & defined (i.e. Stretcher course) will only be considered for the evaluation. Any incomplete course(s) will not be considered for the final evaluation.

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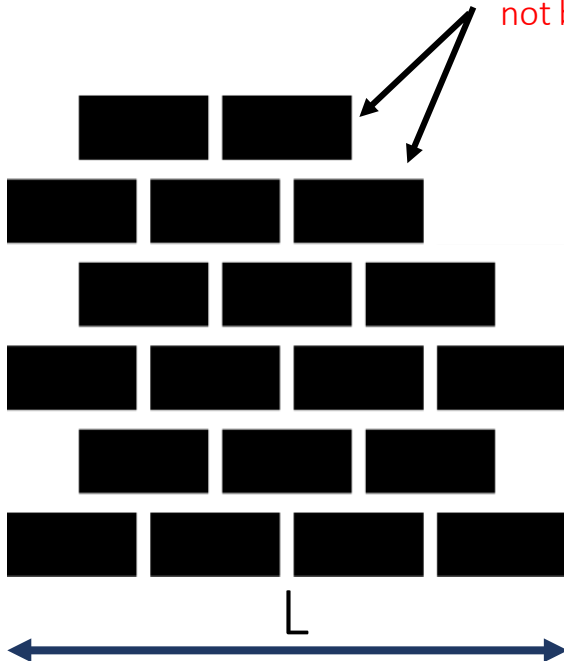|			
	2.	Failure Criteria	- The wall must be standing. As & when any brick or brick wall collapses, participants will have to stop making wall further.
	3.	Time Limit	- The time limit for the execution is maximum 20 Minutes. - Participants can intimate the coordinator when they want to stop going further before time. - Time limit includes, duration of laying and putting back those bricks to its original place.
C.	Participation Criteria		- 03 Minimum Participants in each group. - 04 Maximum Participants in each group.
D.	Location		- Event location: Volley-Ball ground of the DU campus.

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(Example)

L = Length of the base course in inch (lower most course)

n = 4 (nos. of brick in the base course)

C = 6 (total no. of course)

Incomplete courses hence, will not be considered

L = Length of the base course in inch (lower most course)

n = 4 (nos. of brick in the base course)

C = 4 (total no. of course)

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Faculty Coordinators

1. Prof. Stavan Pandya (stavan.pandya@darshan.ac.in - +91-82001 61217)
2. Prof. Vasudev Samanta (vasudev.samanta@darshan.ac.in - +91-99242 96384)

Student Coordinators

1. Omkumar Raychura   (8866569787)
2. Devanshu Varneshiya (7016259590)
3. Dharmik Tank   (9725844664)
4. Lav Laiya   (6353175840)
5. Raj Mayani   (8758296898)
6. Kavy Vekariya   (6353285009)
7. Jay Modhwadiya   (9023861007)