

BOND WITH THE BEST

“Manufacturing is more than just putting parts together. It's coming up with ideas, testing principles and perfecting the engineering, as well as final assembly”
-James Dyson

INTRODUCTION:

Building construction is an ancient human activity. It began with the purely functional need for a controlled environment to moderate the effect of climate. The history of building is marked by a number of trends as well as durable material had been found such like clay stone and timber and finally synthetic materials such as bricks, concrete, metal and plastics.

Building construction today is a significant part of industrial culture, a manifestation of its diversity and complexity and a measure of its mastery of natural forces, which produce a widely varied built environment to serve the diverse need of society. Construction of building mainly consist of proper arrangement of bricks, stone with appropriate adhesion like surkhi, mortar, lime mortar, cement mortar etc.

Brick machinery is made of brick units bonded together with mortar. Bond is the interlacement of brick, formed lay those immediately below or above them. Here we provide you a plate form to showcase your creativity, knowledge and ability to deal with practical problems.



OBJECTIVE: Here is the competition of **arranging the bricks** in the courses .Bond of various courses are distinguished by their elevation and front appearance.

TASK: The shortlisted teams will construct specified brick bonds satisfying the constraints stated below.

EVENT STRUCTRE:

ROUND 1: Quiz

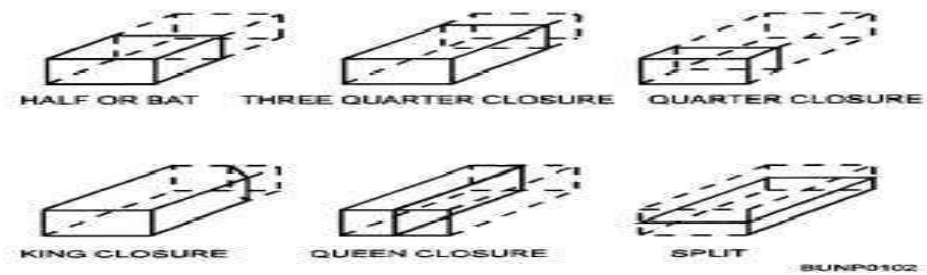
ROUND 2: In this round the names of bond would be given and the respective teams will make the bond in specified time.

MATERIALS: The teams shall be provided with the construction materials required for the task.

Brick Size : 10 X 5 X 3 (in cm)

The following wooden materials will be provided:

1. FULL BRICK
2. Queen closer (half)
3. Queen closer(quarter)
4. KING CLOSER
5. BEVELLED CLOSER
6. MITERED
7. HALF BAT
8. THREE QUARTER BAT
9. BEVELLED BAT



TESTING:

- Testing will be performed by the team coordinators.

JUDGING CRITERIA:

- Total marks-100
- 40 marks-Correct bonding
- 30marks- For the task completed within the limited time
- 20marks- Overall look of the structure
- 10 marks- Cleanliness of work

TEAM SPECIFICATION-: A team may consist of maximum two members. Students from different educational institutes can form a team.

ELIGIBILITY:

All students with a valid identity card of their respective educational institutes are eligible to participate in **“BOND WITH THE BEST”** contest.

CERTIFICATE POLICY: Certificate of Excellence for first three position teams and Certificate of participation for all participants who will gain 50+ marks.

