



# GOVERNMENT ENGINEERING COLLEGE, PALANPUR

## PRAXES 2K23 - A TECHNICAL EVENT



### Event Name: Sail the Ship

### Theme: Popsicle stick ship

### Objective:

To build the ship within given specifications that can carry maximum load before sinking. The Ship must be constructed of given materials only.

### Apparatus:

- Building Materials: (All materials will be provided on the day of the event)
  1. Popsicle sticks.
  2. Paper.
  3. Glue.
- Dimensions:
  1. Length - 20 cm.
  2. Width - 12 cm.
  3. Min Height - 10 cm.

### The Competition:

1. Reporting of the participating team should be 15 minutes before the start of the event.
2. Maximum 3 members in a team will be allowed.
3. Teams will be given 2 hours for construction of the ship using the material provided on the day of the event.
4. No outside material will be allowed to be used during the time of the event.
5. Each team has to submit their ship after completion of the event for testing.
6. Testing timings will be informed on the day of the event.
7. Inspection will be carried out on the submitted ship for verifying whether the rules were followed or not and record the mass of the ship.
8. Selected ships will be only carried forward for testing.
9. The Ship must be able to hold the load at the loading point. The loading point will be at the centre of the deck.
10. Ships will then be subjected to loading. Sinking of the ship or water penetration into the ship will be considered as failure.
11. The load at which the failure occurs will be considered as final load.

### Judging and Scoring:

1. The greatest load prior to failure will be a ship's capacity.
2. The capacity divided by the ship's mass will be the ship's score.
3. The bridge with the highest score wins the event.
4. In case of tie the ship with highest load holding capacity will be considered as the winner.