



Shri Guru Gobind Singhji Institute of Engineering and Technology

Vishnupuri, Nanded (Maharashtra State) INDIA PIN 431606

Government Aided Autonomous Institute DTE Code: 2020

NAAC Accredited institute GRADE B++, CGPA 2.91 (2020-2025)

Vision Statement: Education of Human Power for Technological Excellence



Float a Boat

Date: 28 Feb 2026 **Starting time:** 10:00 Am

Location: Civil Engineering Laboratory

Design and construct a boat model using any material within the given dimensions. The objective is to support the maximum load while maintaining stability and using minimum material to achieve the best efficiency.

1. Team Formation

- Each team must consist of minimum 2 and maximum 4 participants.
 - Participants can be from the same or different departments (if applicable).
 - No participant can be part of more than one team.
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2. Boat Specifications

- The team can use any kind of material combination for making boat.
 - The boat must strictly follow the given dimensions: 40 cm × 30 cm × 20 cm (+/- 1 cm).
 - The center surface must be flat/plane with dimensions 17.5 cm × 17.5 cm.
 - The boat must have the specified shape as instructed by the organizing committee.
 - Any change or deviation in the given dimensions will lead to immediate disqualification.
 - The load will be applied at the center of the boat only.
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3. Testing Procedure

- The boat will be tested by placing it in a water tank provided by the organizers.
- If the boat sinks 6 cm or more from Lower point of boat (Including sinking due to its own self-weight), it will be considered failure.



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- The angle of tilt must not exceed 30 degrees. If it exceeds 30°, it will be considered failure.
 - Breaking in any part will consider as failure.
 - Only judges and authorized volunteers are allowed to handle the boat during testing.
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4. Evaluation & Scoring

Marks will be calculated using the formula:

Ratio= (Total weight taken by boat/Total weight of boat)

- Scoring will be based on the Maximum Ratio obtained.
 - The team achieving the best performance as per evaluation criteria will be declared the winner.
 - In case of a tie, judges may conduct a re-test or consider additional evaluation parameters.
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5. Disqualification Criteria

- Any modification in dimensions beyond permitted tolerance.
 - Use of prohibited materials (if specified by organizers).
 - Unnecessary arguments, misconduct, or disrespect towards judges or volunteers.
 - Attempt to manipulate results or violate event rules.
 - Late reporting beyond the permitted time without valid reason.
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6. Transparency & Conduct

- The entire event and testing process will be open for all participants to maintain transparency.
- Teams are requested to cooperate with the organizing committee to avoid misunderstandings.



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- Participants must maintain discipline throughout the event.
 - The final decision will be taken by the judges, and it will be binding on all teams.
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7. Additional Guidelines for Effective Management

- Teams must report at least 30 minutes before the event for verification.
- Boats must be submitted for dimension checking before testing.
- Only approved materials (if specified) should be used.
- Teams must bring their own repair materials; no extra time will be given for major repairs during testing.
- Safety must be ensured while handling tools and materials.
- Any damage to event property will lead to penalty or disqualification.
- The organizing committee reserves the right to modify rules if necessary, and changes will be informed in advance.

Event Coordinator

Mr. Ritesh Dilip Gonde: 9527509193

Mr. Ayyan Salim Shaikh: 7770083016

Ms. Munnazza Shaikh : 9403732656

Mr. Aryan Padalwar : 9403326305