

Spaghetti Bridge Competition

Rules and Guidelines



- 1- The objective of the competition is to design and construct a spaghetti bridge that can span a distance of 110cm while supporting a maximum load without collapsing.
- 2- The competition is open to all students enrolled in the civil engineering department.
- 3- Teams may consist of 3-4 members.
- 4- Only spaghetti sticks and adhesive materials (such as glue) are allowed for construction. Spaghetti sticks must be unaltered and not reinforced with any other materials.
- 5- Adhesive should be used on the joint of the bridge only and should not be used in excessive amounts.
- 6- The bridge must have a span of exactly 110cm and have a maximum height of 50cm, measured from the base to the highest point.
- 7- During the evaluation, the bridge will be simply supported on its ends. Additionally, the bridge must have a metal hook installed at its midspan to attach the testing weights.
- 8- Construction should be done solely by team members.
- 9- Teams are encouraged to use innovative and creative design approaches.
- 10- Each bridge will be subjected to a load test to determine its strength. The load will be applied gradually until the bridge reaches its maximum load-bearing capacity or collapses.
- 11- The bridge's performance will be evaluated based on its load-bearing capacity, structural efficiency, geometry, weight, aesthetics, and innovation.
- 12- Points will be deducted for any rule violations.
- 13- A panel of judges, consisting of department members, will evaluate the bridges based on predetermined criteria.
- 14- The decision of the judges will be final.
- 15- Any team found to be in violation of the rules or engaging in unsportsmanlike conduct will be disqualified from the competition.