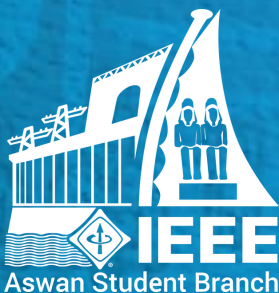




SPAGHETTI BRIDGE COMPETITION

RULEBOOK

12 To 14 May
Tolip Aswan Hotel



Organizer



NTRA
National Telecom Regulatory Authority
الجهاز القومي لتنظيم الاتصالات

Official Partner



Platinum Sponsor

OVERVIEW

Spaghetti Bridge Competition is a marvelous chance for students, particularly civil engineers. It helps them to apply what they have learned and uses the engineering design process to build a structure from spaghetti to handle pressure.

AWARDS

Total prizes of 4,500 EGP are available as 3,000 EGP for first place and 1,500 EGP for second place. IEEE Aswan SB will recognize awards winners at Upper Egypt 6 closing ceremony.



3,000 EGP



1.500 EGP



DIMENSIONS

Length (span) = 35cm : 45cm

Width = 10cm : 15cm

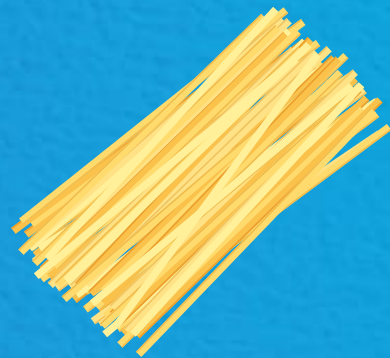
Height = 15cm : 25cm



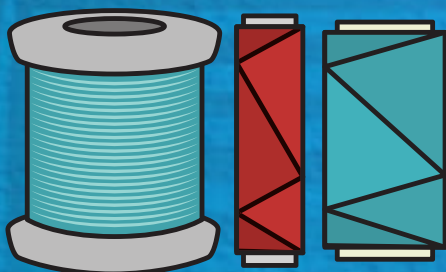
MATERIALS



Glue gun & sticks



2Kg of regular spaghetti



sewing threads



Scissors



RULES

- **Teams can consist of up to three students.**
- **The bridge must be constructed using commercially available spaghetti. No other form of pasta, such as fettuccine, Tubular or bucatini. Spaghetti is a cylindrical form of pasta with a diameter not greater than 3mm.**
- **Glue can only be used in joints, not members.**
- **The bridge must include the supplied loading hook as close to the midpoint of the bridge as possible.**
- **The total mass of the structure including spaghetti, glue, and loading hook must not exceed 2000 grams. If the bridge does exceed 2000g, then it will be tested, but it will be ineligible for a prize.**



EVALUATION CRITERIA

- Each bridge will be weighed and inspected prior to and after strength testing (where possible). If the bridge exceeds the weight limit or consists of materials not listed in competition rules, it will be disqualified.
- The bridge will not be interfered with while undergoing the strength test. The bridge will be tested to destruction.
- The winning bridges will be ranked according to the size of the peak load carried during the strength test divided by their own weight. In case of a draw, the lighter bridge will be ranked higher. The aesthetic shape must be taken into consideration.
- The prize money will be awarded to the teams nominated on the registration form. The prize is not transferable.



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