



Ramgarh Engineering College, Ramgarh
Run and Managed by Techno India under PPP



Government of Jharkhand



TECHFIESTA'18

A science and technology festival

ARCHIMEDES

About

This event is designed to test your practical construction skills. If you want to accept the challenge of a site engineer, here is the event and it comes with the opportunity to win great prizes.

Challenge

Room No 330, Academic Building, Ramgarh Engineering College
Website: www.techfiesta.org | Facebook: facebook.com/techfiesta.gecr

This is an on-the-spot event. You are required to build a semi-circular arch. This must be done with the materials and the tools provided.

Procedure

You will be given a semi-circular iron frame. The arch has to be constructed in this frame using bricks and stone-chips (10 mm down) only. The construction should be completed within the stipulated time. The arch will be tested against concentrated transverse load.

Judging criteria

1. Time taken to build the arch
2. Load sustained by the arch

Score of each team will be calculated by relation P , where P is the maximum load born by the structure of and T is the time to complete the construction. Score will be calculated if the construction is not completed within 30 minutes or the arch falls during the construction.

Rules

1. Student from any branch can participate in this event
2. A team may comprise of maximum of four members. Students from different educational institute can also form a team.
3. No material or tool apart from provided can be used.
4. Decision of the event judges will be final.