

DRAFT RITZ 3.0

Event Description:-

Designing plays an essential role in innovation. The field of designing accounts for majority of private research and development spending and employs a significant percentage of engineers. In order for society to benefit from the latest advances in technology, skilled engineers and novel designing techniques will be required.

There is a thirst among every engineer for designing, a thirst which is motivated by seeing day to day things ranging from a small pin to huge working machine. This thirst which has resulted for the designing of basic component parts of a machine to the design of highly sophisticated engines.

General design competitions have always had a constraint that bounds the imaginative skills of the enthusiasts to create something new or intuitive, so to tackle this **ASME NIT Silchar Chapter** came up with this competition. It is a competitive event where the design and imaginative skills of the participants will be put to test under the ticking of a clock.

Problem Statement:-

The objective here is to design and model a given "Item" or "Mechanical Device" within 2 hours under the specified constraints as provided by the organizers an hour prior to the competition.

Rules:-

1. Only individual participation is allowed.
2. The time constraint will be 2 hours for designing the prototype.
3. The **problem statement shall be announced 1 hour** prior to the commencement of the competition on the official Tecnoesis 2018 website and the official Facebook page of ASME NIT Silchar Chapter.
4. The venue of the event will be announced 1 day prior to the event.
5. There is no constraint on the software that is to be used. The participant can use any available open source or professional software for completing the task (for example Catia, Solidworks, Autocad 3D etc.).
6. Only one submission per participant shall be accepted.
7. A rough sheet shall be provided by the organizers during the event for any rough work if possible.
8. Use of internet, pen drives and mobile phones or any other hardcopy / digital device is strictly prohibited during the course of the competition and if found doing so the organizers are liable to disqualify the participant.
9. The design is to be submitted after the event is completed in a folder consisting of the design part file (and any other files necessary for opening and viewing the design) and a .docx file with Name, mail ID and contact number (of the individual participant)

mentioned in it. This folder is to be copied into the digital storage device provided by the organizers.

10. The above rules are liable to change if deemed necessary by the organizers at any point of time during the event and their decision will be considered to be final. No further argument shall be entertained.

Scoring and judging criteria:-

1. The design consists of a total of 100 marks where each part carries individual marks. The marks distribution shall be announced before the beginning of the event.
2. There will be negative marking for each dimensional error as mentioned in the specification sheet of the design provided by the organizers before the event starts.
3. Bonus marks shall be awarded to whosoever finishes the task before the pre-determined time.
4. The decision of the judges shall be final.

Participants are expected to abide by the rules and should co-operate with the event organizers.

Event Organizers and their details:-

Name	Contact number
Kshitij Mehrotra	9634857887
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