



MIT  
**TEXEPHYR** '14  
CONQUERING HORIZONS



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**MR. MECHANIX**

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# **Clash of Dyanmic Brains**

## **INTRODUCTION**

This event is an introduction to learning and applying the principles required to solve engineering mechanics and Strength of Machine Elements/Materials problems.

Concepts will be applied in this events from previous courses you have taken in basic math and physics.

The finale of the event focuses on the modelling and analysis of static and dynamic equilibrium problems with an emphasis on real world engineering applications and problem solving.

## **EVENT FORMAT**

### **ROUND 1**

Elimination Round

### **ROUND 2**

Final Round

### **ELIMINATION ROUND (ROUND 1)**

- This is a mind sweeper event.
- In this round, we will take a small examination consisting of Multiple Choice Questions (MCQ).
- MCQs will be based on Engineering Mechanics and its various disciplines.
- Test duration will be 40 minutes.

### **FINAL ROUND (ROUND 2)**

- Teams selected in Round 1 will participate in this round.

- An application based question is to be solved practically and accordingly participants will have to make the working model for the obtained solution.
- All the required material for model making will be provided by the organisers.
- Step by step solution is expected from the students. Minimal Marks will be given to theoretical solution.
- Assessment of the model will also be done by the respective judges.
- Top three Winners will be decided according to their marks scored in this particular round.

## **RULES AND REGULATIONS**

- All students with a valid photo-identity card of their respective educational institutes are eligible to participate.
- In case of non-cooperation by the participants, copying with each other, we uphold the right to disqualify the student.
- Judges decision will be final and binding.
- The organizers reserve the right to change any or all of the above rules as they deem fit. Change in rules, if any, will be highlighted on the website and notified to the registered participants. Participants are requested to check website regularly for updates.

## **CERTIFICATE POLICY**

1. Certificate of excellence will be given to all the winners (Top 3 Teams).
2. Certificate of participation will be given to all the teams that will participate in the event, but not to the teams which get disqualified due to disobeying any of the competition rules.

## **REGISTRATION DETAILS**

**ENTRY FEE : Rs 100/- (FOR SAE MEMBERS)**

**Rs 120/- (FOR NON-SAE MEMBERS)**

**\*\* ATLEAST ONE MEMBER SHOULD HAVE SAE MEMBERSHIP CARD**

**MAXIMUM TEAM MEMBERS : 2**

## **ELIGIBILITY**

ALL STUDENTS (PURSUING GRADUATION AND UNDERGRADUATION) WITH A VALID PHOTO-IDENTITY CARD OF THEIR RESPECTIVE EDUCATIONAL INSTITUTES ARE ELIGIBLE TO PARTICIPATE IN MR. MECHANIX.

## **PRIZES**

**FIRST PRIZE: Rs 3,000/-**

**SECOND PRIZE: Rs 2,000/-**

**THIRD PRIZE: Rs 1,000/-**

## **CONTACT DETAILS**

Anirudh Wagh: +919850884760

Tripur Mahajan:- +919767644659

