MME - EVENTS

1. METAL HUNT:

In this event the game master will drop various metals around campus. Players will have stipulated time to locate those treasure troves.

Round1: Test your knowledge on basics of metallurgy as a preliminary.

Round2: Selected teams from round1 have to find out various metals around the campus, the team which will collect all the metals and submitted first within given time will be the winner.

Maximum of 3 people in a team

2. METALLOGRAPHY CONTEST

Test your knowledge in identification of microscopic structures of various materials.

Round1: Test your knowledge on basics of metallurgy as a preliminary.
Round2: Identified the given microstructures.

Maximum of 3 people in a team

3. PAPER PRESENTATION:

Students present their views on research on their field of research on their field of interest the topics can vary from the recent trends to the historical developments in metallurgy.

PRESENTATION SPECIFICS

- ➔ Total time allotted : 10 Minutes
- ➔ Time for presentation : 7 Minutes
- ➔ Time for Question – Answer session : 3 Minutes
- ➔ Accepted format : Power Point Presentation (To be brought in a pen drive)

Maximum of 2 people in a team
Submit the abstract max of 200 words.
Mail your abstract to krk.mme@gmail.com, Selected abstracts will be informed.

Topics:

1. Materials for green technology.
2. Energy storage materials.
3. Super conducting materials.
4. Metal failure analysis
5. Electronic, Optical & Magnetic materials

6. Nuclear materials
7. Extraction process
8. Nano Science & Technology.
9. Advanced Materials
10. Any other topic related to Metallurgy and Material science

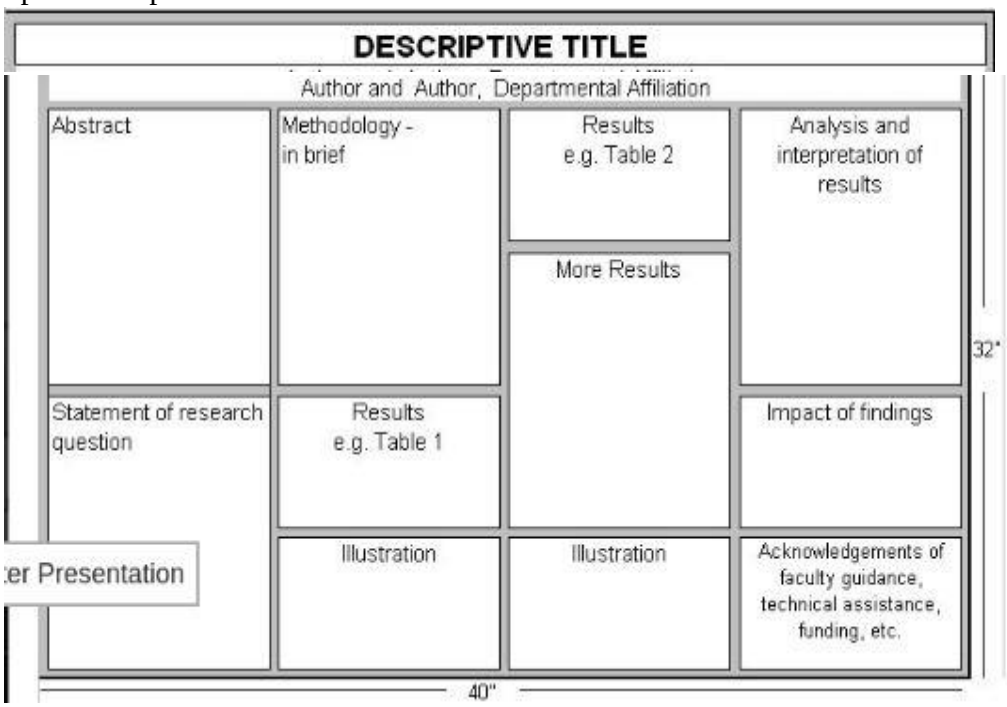
4. POSTER PRESENTATION:

This offers a venue for students to present research in the field of metallurgy and material science and opportunity for the formal discussion.

Instuructions:

Size of the poster is width(40 inch)& height(32 inch) .
Maximum of 2 people in a team
Submit the abstract max of 200 words.
A visitor to a poster does not want to read it , but to inspect it. Thus, the key to creating an effective poster presentation is visual simplicity achieved without loss of information content.
Mail your abstract to krk.mme@gmail.com, Selected abstracts will be informed

Example of the poster



1. Micro-structural & Micro-chemical characterization of materials
2. Magnetic materials & Devices
3. Developments in protective coatings for metallic alloys
4. Advanced materials & processing

5. Principles & practice of TEM.
6. Importance & Application of carbon Nano-tubes
7. Electronic materials & its applications.
8.Any other topic related to Metallurgy and Material science.

5.Venari materia

A practical problem will be given on the spot and solutions have to be submitted with in given time.

Instrucitons:-
1. Maximum of 3 people in a team.
2. Written submission is sufficient.
3. In case of a tie, identification of sub critical properties and financial feasibility will fetch bonus points.
4. There is no single correct answer. The panel's decision will be final and binding and any arguments in this regard not be entertained.

List down properties required for the material and suggest a material for the same.
Example Question1:
Glass window of a submarine.

6. Metallurgy logo design

Design metallurgical logo which shows all aspects of metallurgy.

Instructions:
1. Only one person has to design.
2. The person has to give explanation to the panel about logo.

7. Materials Ambigram:

Come up with a unique metallurgical response as perceived from the combination of images.

Round1: Test your knowledge on basics of metallurgy as a preliminary.
Round2: Identified the given pictures and write the words related to metallurgy and material science.

Instructions:
1. Maximum of 2 members allowed in a team

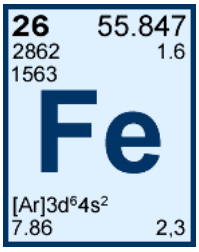
2. Marking Scheme : Max 120 marks.

3.Single unit increment of mark after each level.(1 mark for level #1, 2 marks for level # 2 and so on….)

4. In case of any tie, priority will be given to the participants who have answered more number of higher level questions.

5. PARTICIPANTS WITH MULTIPLE ENTRIES WILL BE DISQUALIFIED. ORGANISERS DECISION WILL BE FINAL AND BINDING.

Example:



Picture 1 **Picture 2**

Solution :

1st picture is the symbol of iron which is a “METAL” and the 2nd one depicts “ALLERGY” . Ans. is “METALLURGY”

8. Plant Design:

Design your metallurgical plant and model.
Instructions:
Maximum of 3 members allowed in a team.
The Team has to give explanation to the panel about their Design.

9. Meta quiz

Maximum of 3 members allowed in a team

Round1: Test your knowledge on basics of metallurgy as a preliminary.

Round2: Test your knowledge by showing videos , pictures .

10. Make an impression

Create a video which shows all aspects of metallurgy and material science.

Maximum of 2 members allowed in a team.
Video length maximum 7 min.