



FLIGHT

MADRAS INSTITUTE OF TECHNOLOGY

ASSOCIATION OF AERONAUTICAL ENGINEERS

MARCH 1,2019

DAY 1 EVENTS:

1.AIR CRASH INVESTIGATION

“Mistakes are inevitable in aviation, especially when one is still learning new things. The trick is to not make the mistake that will kill you”.

- Stephen Coonts

Event description

Every time a plane crashes, the world takes notice. And so do the experts whose job it is to figure out what happened.

The odds of a plane crash are 1 in 11 million ,but when something goes wrong, it can be catastrophic with potentially hundreds of lives at stake.From human errors and accidents to mechanical faults and design flaws, the success of aviation history is punctuated by disasters and catastrophe.

Air crash investigation looks at what went wrong and how future disasters can be averted.

Event format

Details of famous air crashes will be presented. The participants are expected to recall the historic significance of these crashes and also present novel solutions that could be used in the futuristic designs.

Rules

- Participants are required to produce college ID without fail.
- Maximum of three per team (Individual participation is allowed)
- Judges decision will be final.

Contact

Name : ABISHEK K R

Ph no. :7598608829

Email: flight@mitindia.edu

Date :01.03.2019

Time: 10.00 am

Prize Worth: Rs.2500

2. TECHNICAL QUIZ EVENT

Event description

“If you know how to find the centre of gravity of penrose stairs, then this quizzical platform is yours”

This quiz competition is a pursuit of technical knowledge and actually tests the students' retention and accumulation of knowledge towards application of concepts. It would be greatly helpful in acknowledging their position on their journey to technical excellence.

Event format

Preliminary screening round:

This round is aimed to screen the minimum number of teams possible for the next Quiz masters round.

- A question paper consisting of 50 questions will be given to each team of the Technical Quiz event.
- Each question carries 1 mark.
- The questions can be from basic mechanics, thermodynamics, and from a few technical (Aerospace/Aeronautical) courses.
- There is no negative marking in this round.
- The time duration for this round is 40 minutes.
- The number of teams to be selected for the next round depends on the decision of the selection crew.

Ultimate quiz master round:

This event is aimed at verdict out the best team and the quiz masters. The team which scores highest point will be the winner.

Rules

- Participants are required to produce college ID without fail. ▪ Maximum of three per team(Individual participation is allowed)
- Electronic gadgets such as mobile phones, pagers, tabs, laptops, etc., should not be used in the Competition.
- Judges decision will be final

Contact

Name: JULIAN ROHIT R

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Email: flight@mitindia.edu

Date :01.03.2019

Time: 10.00 am

Prize Worth: Rs.2500

3.TECHNICAL CONNEXIONS

Event description

Can you solve the mysteries of the aviation using pictures, then solve the connexions.

Event format

- This is a picture based quiz event.
- Questions for the round will be aviation related pictures.

Rules

- Participants are required to produce college ID without fail. ▪ Maximum of three per team(Individual participation is allowed)
- Electronic gadgets such as mobile phones, pagers, tabs, laptops, etc., should not be used in the Competition.
- Judges decision will be final.

Contact

Name : SWATHI M

Ph no. :9600146670

Email: flight@mitindia.edu

Date :01.03.2019

Time: 10.00 am

Prize Worth: Rs.2500

4.CAD MODELLING

Event description

"Design is thinking made visual"

Its time to express your imagination power.Here,"CAD modelling" challenges your designing brilliance.If you are mad for CAD, get armed up with all your design weapons and tricks in this battle of designing.

Event format

There will be two rounds.

- First round is a preliminary round consisting of a written test on basics of CAD modelling softwares.
- Candidates shortlisted for the second and final round will be required to complete the design using CATIA V5/ AutoCAD as per the problem statement given on the spot. The fastest designer with most accuracy of the given problem will be declared winner.

Rules

- Participants are required to produce college ID without fail. ▪ Maximum of two per team(Individual participation is allowed)
- Electronic gadgets such as mobile phones, pagers, tabs, laptops, etc., should not be used in the Competition.
- Participants will be given a time of 60 minutes to complete their CAD models.
- Additional points will be given for creative designs. ▪ Judges decision will be final.

Contact

Name: DANIEL EDWIN PAUL

Ph no. :9500198667

Email: flight@mitindia.edu

Date :01.03.2019

Time: 10.00 am

Prize Worth: Rs.2500

5.FLIGHT SIMULATOR

Event description

The flight simulator event is where you will be allowed to have a hands-on experience of an aircraft's primary flight controls in a simulated environment. This event will be fun for the participants as well as a platform to show off their "simulated" flying skills. Also to add a little intensity to the event, the top few participants will be selected for a final round where the best of them will be rewarded.

The event will be conducted in a single premise where each participant will get a chance to experience the simulation. There will be a briefing prior the event. Each participant will be assigned a particular aircraft to complete the flight path provided by the event organisers. Timings will be noted and evaluations will be performed by the event organisers. Out of all the participants, a few best scores will be taken and those participants will be allowed to be in the competitive round where the winner will be chosen and rewarded.

Are you ready to tackle the nature in a simulation world? If you can, then come to MIT to show your piloting skills in the FLIGHT SIMULATOR.

Event format

- First round is prelims.
- In second round the user has to fly in the given simulated condition within the given time limit.

Rules

- Participants are required to produce college ID without fail.
- Judges decision will be final.

Contact

Name : KARTHIK RAJKUMAR

Ph no. : 9487450680

Email: flight@mitindia.edu

Date :01.03.2019

Time: 10 am

Prize Worth: Rs.2500

6.TITLE EVENT-PILOT & CO-PILOT

Event description

“Never quit. Never give up. Fly it to the end.”

-Chuck Aaron

Here is the actual game begins with your technical and non-technical perspectives of everything; Overall this event gives you a rollercoaster experience.Witness the real challenge.

Event format

There will be three round.

Wreck It Ralph!

You are alone, its not a team event.

Round 1: Come let's be curious

Eligibility: All are welcome Rules:

1. There are 21 questions in this round.
2. You will be given 10 math puzzles and 10 crosswords and you will be asked to solve in 30 mins.

3. Words will be related to engineering, beware.
4. Exception: There will be one wild card question if you answer it, you go to the finals directly!!!

To win:

1. People with the greatest number of right answers get into the round 2.
2. If tied maths puzzle is the tie breaker.

Round 2: show it to me

Eligibility: Top 10 from the first round are allowed.

Rules:

1. We will give you a phenomenon (Basic Physics – Mechanics, fluid dynamics etc.).
2. There will be a table in front of you with some items (Ex. Rubber, twig, chalk, anything)
3. Demonstrate that topic with those things and you have the key to the next round.

Winning Criteria:

1. Shortest time, shortest answer gets the highest points.
2. The clearer you are the more you score (I am a child who doesn't know physics).

Round 3: Mystery Legends

Eligibility: Top 5 from the previous round and wild cards (if any) Clue:

Be curious Rules:

1. Only eligible people will attend this round.
2. You will be put in a room, you require a word to be written on the paper to win!
3. If you write any other thing, other than that word – you lose.
4. If you spoil the paper – you lose.

Contact

Name : SARANYA M

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RISHEEK KUMAR B

Ph no. :6383816416

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Date : 01.03.2019

Time: 1.00 pm -3.00 pm

Prize Worth: Rs.5000