



**MADRAS INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF AEROSPACE ENGINEERING  
ASSOCIATION OF AERONAUTICAL ENGINEERS**

**JETS WORKSHOP**

**Introduction :**

Flow visualization in fluid dynamics is used to make flow pattern visible, in order to get qualitative or quantitative information on them. There are various flows visualization techniques , they are flow visualization using smoke , dyes , chemical coating , shadowgraph technique , schlieren technique , flow visualization using interferometer and etc...

**Schedule :**

Date : 08/04/2023

9:00 am - 10:00 am : Introduction to jets

10:00 am – 11:00 am : Various types of wind tunnel and its purpose

11:00 am – 12:00 pm : Introduction to nozzles

12:00 pm - 1:30 pm : Break

1:30 pm - 4:00 pm : Visualization of

- Under expanded flows
- Over expanded flows
- Flows with obstruction

## **Outcomes:**

On attending the workshop, participants will be able to

- Acquire knowledge about jets, nozzles and flow visualization techniques
- Gain insight about the set up procedure involved in conducting experiments in supersonic jet facility.
- Visualize over expanded and under expanded flows.
- Visualize flows with obstructions.

Registration fees per individual is Rs 399/-

## **Contact Details :**

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