



FLIGHT-2022

JETS WORKSHOP

Flight 2022 brings you the technologies in the field of jet control along with flow visualization using Schlieren technique. Participants of this two day workshop will be presented with the following sessions.

Day : 13.05.2022

Forenoon (9:00 am - 12:00 pm)

- Lecture on introduction to jets and its applications,
- Current trends in nozzle designs,
- Flow visualisation techniques.

Afternoon (1:00 pm - 4:00 pm)

- Visit to Propulsion laboratory
- Experiments using supersonic jet facility
- Experiment with single expansion ramp nozzle

Day : 14.05.2022

Forenoon (9:00 am - 11:30 am)

- Lecture on introduction to thrust vectoring,
- Thrust vectoring techniques and applications.

Afternoon (12:30 pm - 4:00 pm)

- Experiment using circular nozzle with thrust vectoring
- Data interpretation, results and discussion

Outcomes :

On attending the workshop, participants will be able to

- acquire knowledge about jets, nozzles, thrust vectoring and flow visualization techniques.
- gain insight about the set up procedure, hardware and software components involved in conducting experiments in supersonic jet facility.
- learn how to analyse any flow field from Schlieren images and make quality inferences from obtained data.

[Click here](#) to register. Lunch will be provided.

Queries ?

Email aero_association@mitindia.edu

Gokulakannan H [+91 84289 56682](tel:+918428956682)

Niranjan S [+91 91767 01068](tel:+919176701068)