

AMITY INSTITUTE OF AEROSPACE ENGINEERING

Guest Lecture Report

A lecture session was organized on 12th October 2020. The details of the session are given below: -

Topics: “When less is more : Take-off thrust reduction”

Date: 12th October 2020

Place: Online Mode (Zoom)

Time: 4:00 am – 5:00 pm.

Speaker: Mr. Darshan Sawant.

About the Speaker: Darshan Sawant is an IIT Bombay MTech batch 2012 alumni. He did his specialization and majors in Aerospace Propulsion and Combustion. He has over 8 years of experience in the field of aircraft performance and applies this knowledge for fuel conservation and for providing relevant support to Flight Operations and M&E departments in the airline. Currently he is associated with TATA Singapore Airlines as Manager for Flight Operations Engineering division.

Major points covered during the talk: He has discussed briefly about the operational methods employed by airlines for Reduced Thrust and look at the principle and theory behind these.

Broad areas of his discussions are: -

- Principles of thrust reduction
- Derate Take-off
- Assumed temperature/Flex take-off

Students of following batch attended the lecture: Total 92 Students.

1. B. Tech
 - 2017-21 Batch
 - 2018-22 Batch
 - 2019-23 Batch
 - 2020-24 Batch

2. B. Tech+M.Tech
 - 2017-22 Batch
 - 2020-25 Batch

3. M.Tech
2020-22 Batch

Following faculty member also attended the lecture:

1. Dr. Sanjay Singh (Director)
2. Dr. Basant Agarwal
3. Dr. Sharbari Banerjee
4. Mr. Jayanta Sinha
5. Mr. Saquib Reza
6. Prof. J. K. Jain
7. Ms. Soni Gupta

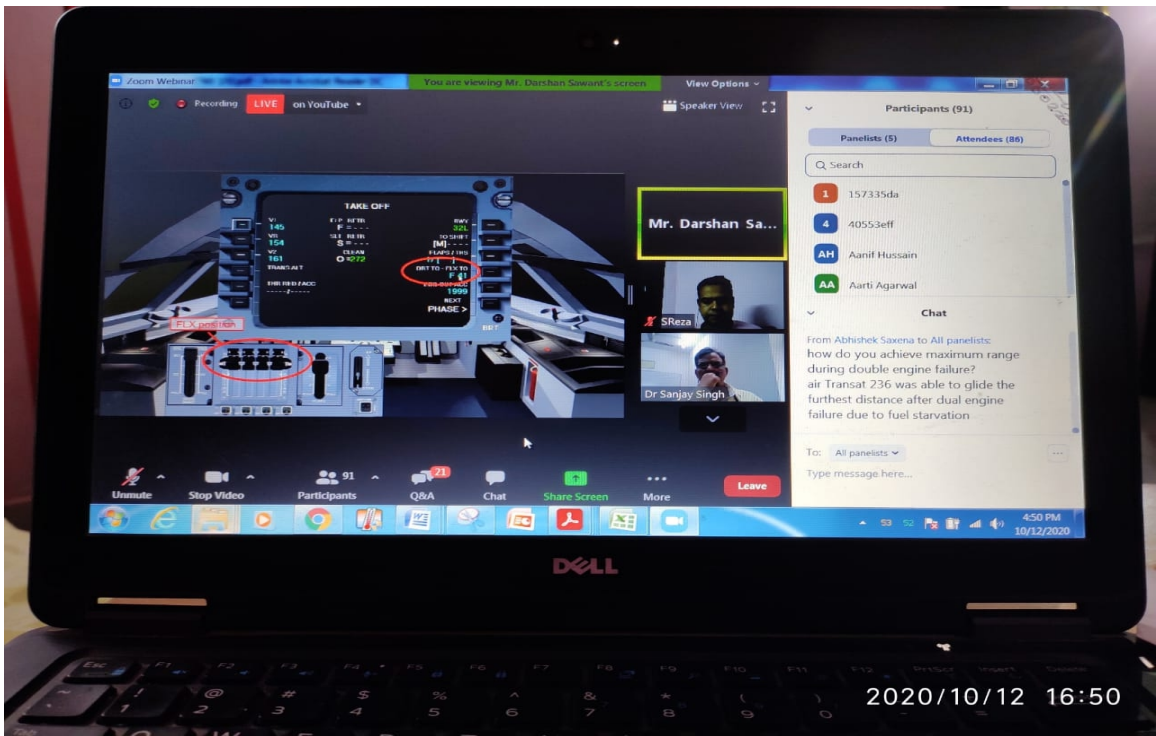
Event Objectives:

- To enhance the knowledge of the thrust reduction method in Airplane.
- To introduce the students with the challenges in the field of operational aircraft.

Expected Outcomes:

- Senior students of B. Tech 3rd, 4th year and M. Tech would get new topic for their research and major projects
- 1st and 2nd year students will be thrilled to learn about the actual method of thrust reduction in operational airplanes.
- A knowledge pool will be created in the field of operational Airplane.

Some pics Of Guest Lecture



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