Department of Mechanical Engineering

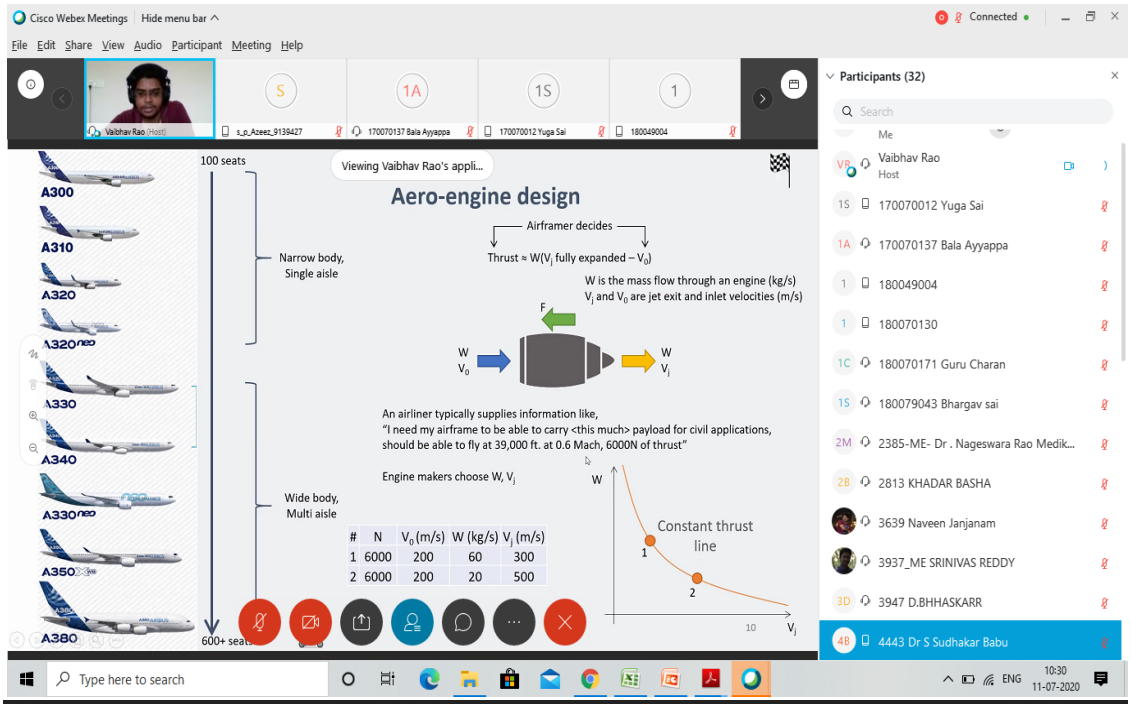
Alumni Knowledge Sharing Session

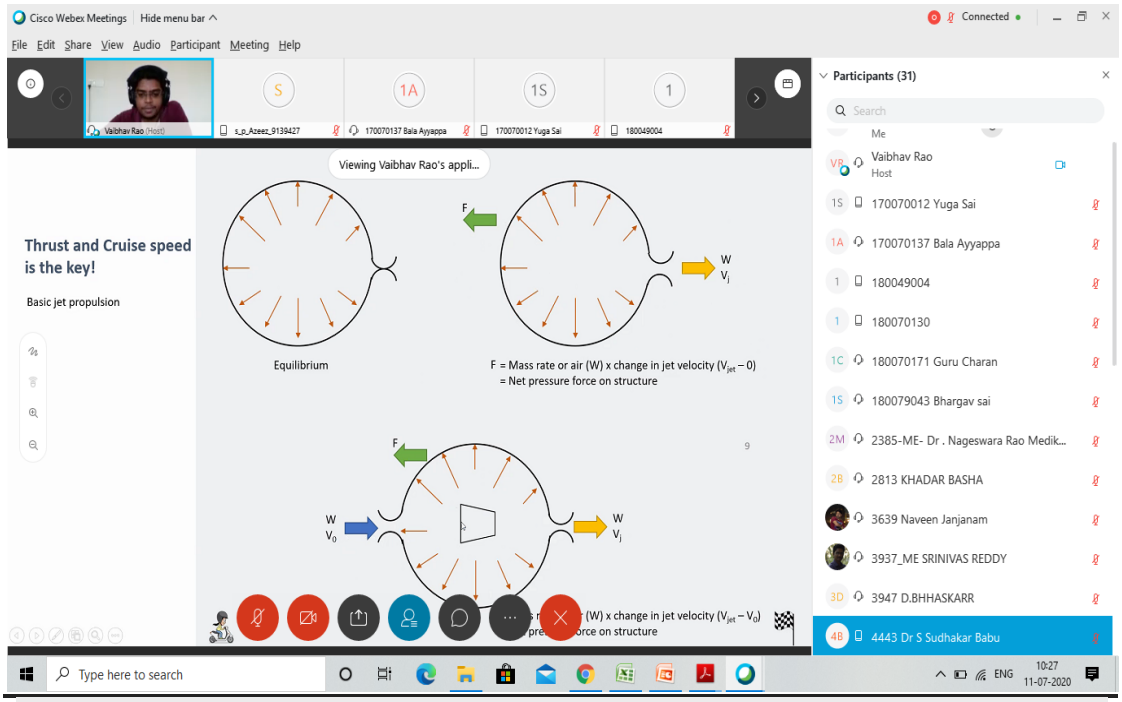
An Alumni Guest lecture was delivered through **online(WebEx)** on 11/07/2020 to B. Tech. Mechanical Engineering students and Faculty of ME DEPARTMENT, Time **:** 10 am TO 11 am topic on **"Aero Engines: Design ,Performance and Life"** by 2011 batch of Alumni of Mechanical Engineering Department by **Mr. Vaibhav Rao,** Specialisation: **Aero Engines: Design, Life and Performance,** Name of Company / Organisation working: **Rolls-Royce ,** Email ID: **rao.vvaibhav@gmail.com,** Contact Number: **8008345675,** City / Country/ Region and Location: **Bengaluru Karnataka.** He talked about types of aero engines, aero engine design and working procedure, nomenclature, compressors, turbines performance, material selection, design phases.

WEBEX Link:

https://meetingsapac20.webex.com/meetingsapac20/j.php?MTID=meaec7435483fd84d984b98c09bbec617

Some Glimses of Guest Lecture

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Thrust and Cruise speed is the key!
Basic jet propulsion
Equilibrium
F = Mass rate or air (W) x change in jet velocity ($V_{jet} - 0$)
= Net pressure force on structure
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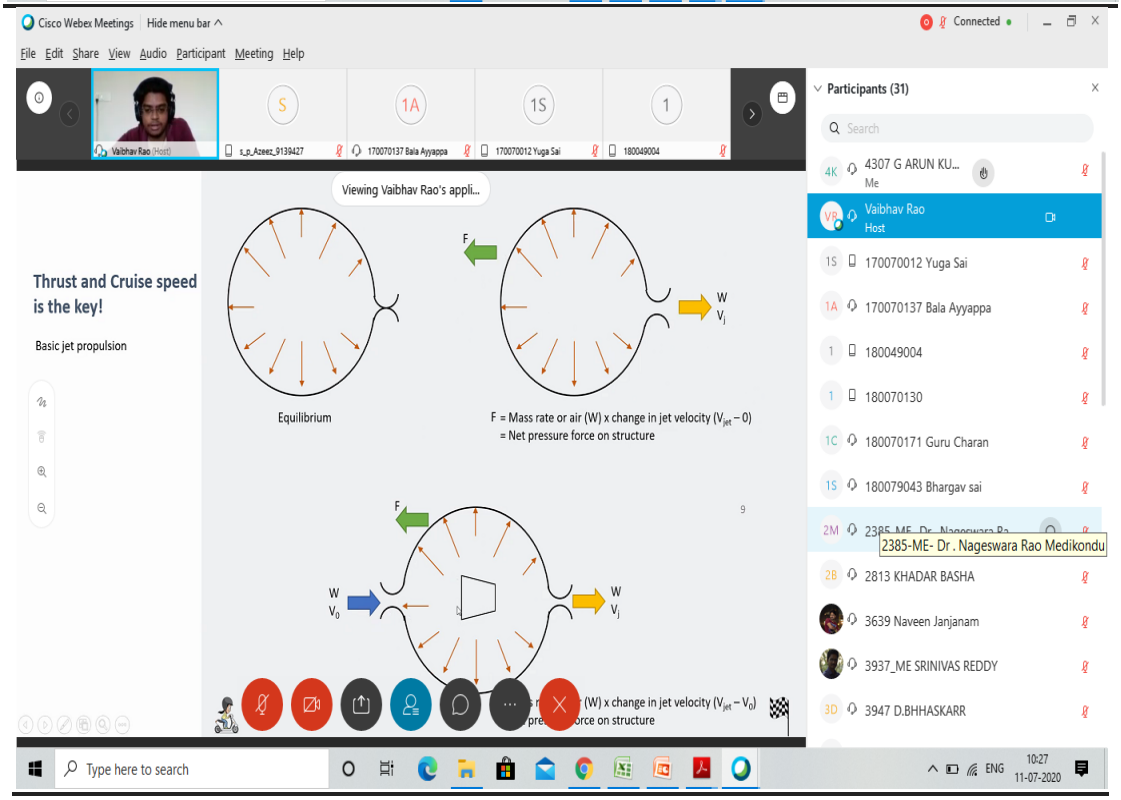
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