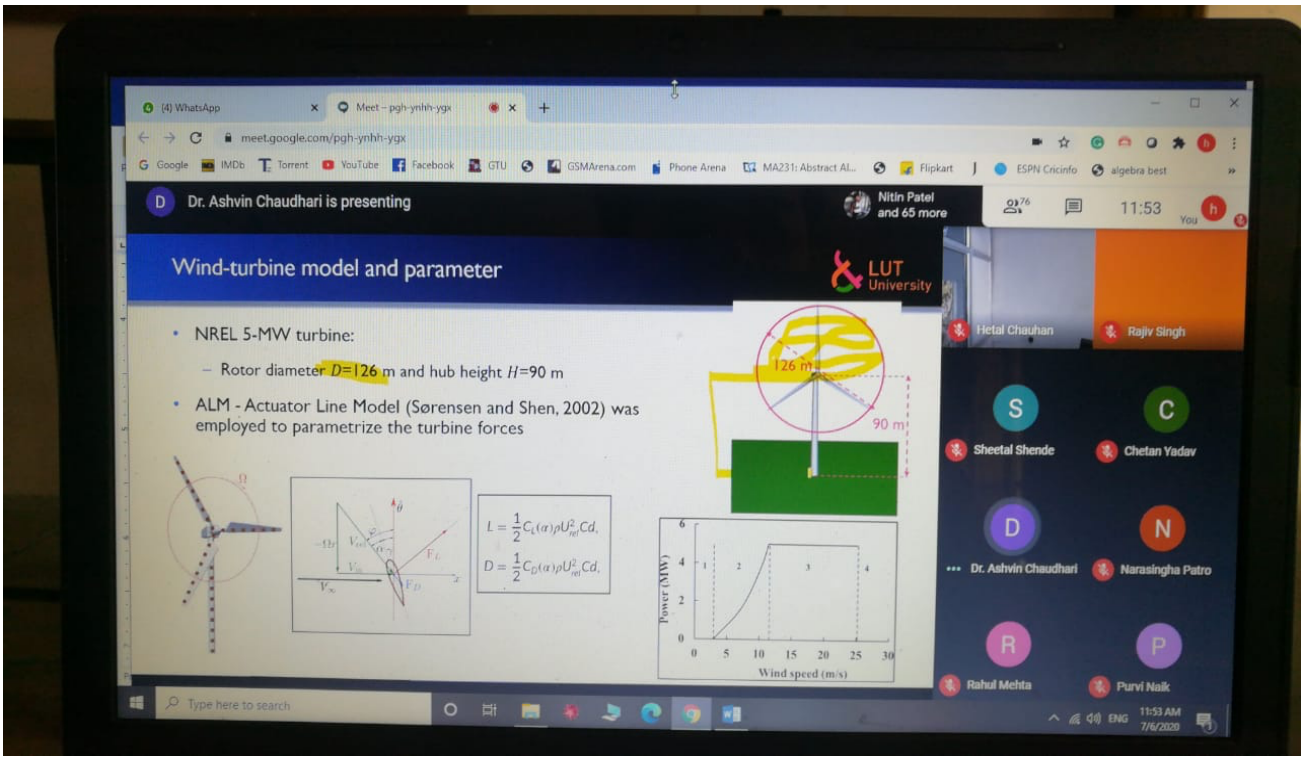
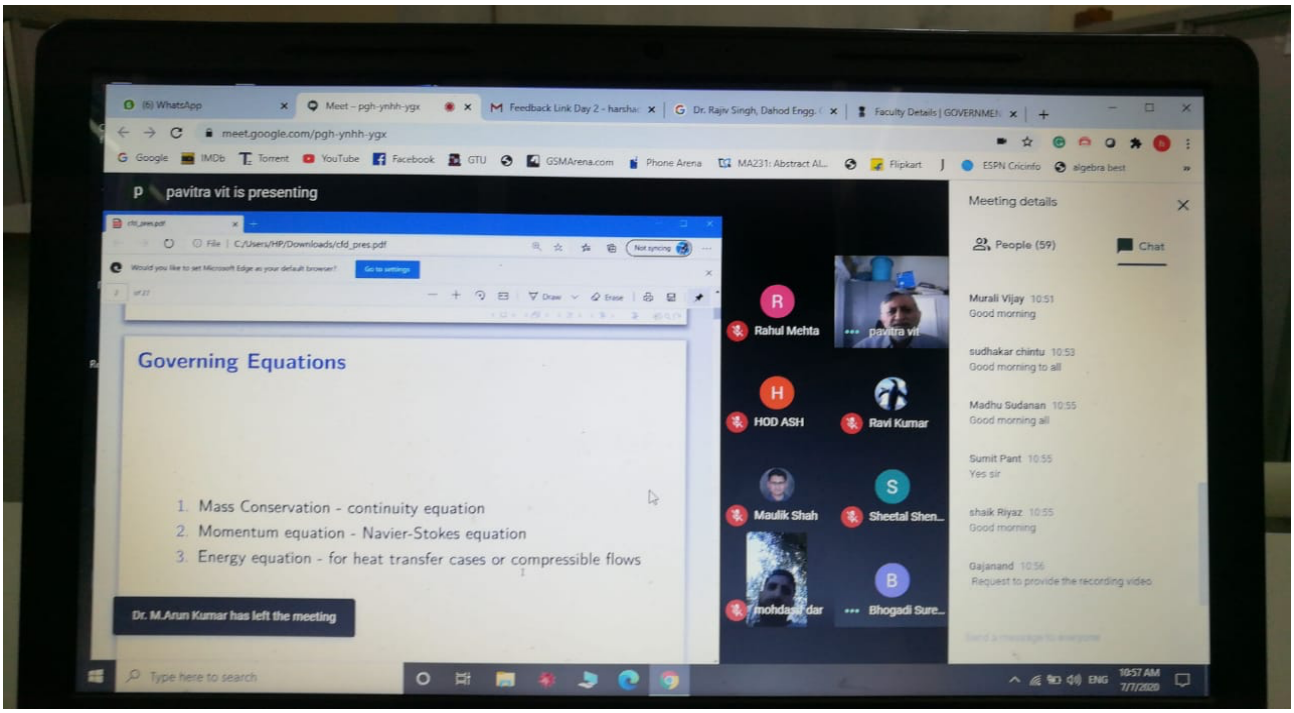
Sardar Vallabhbhai Patel Institute of Technology, Vasad

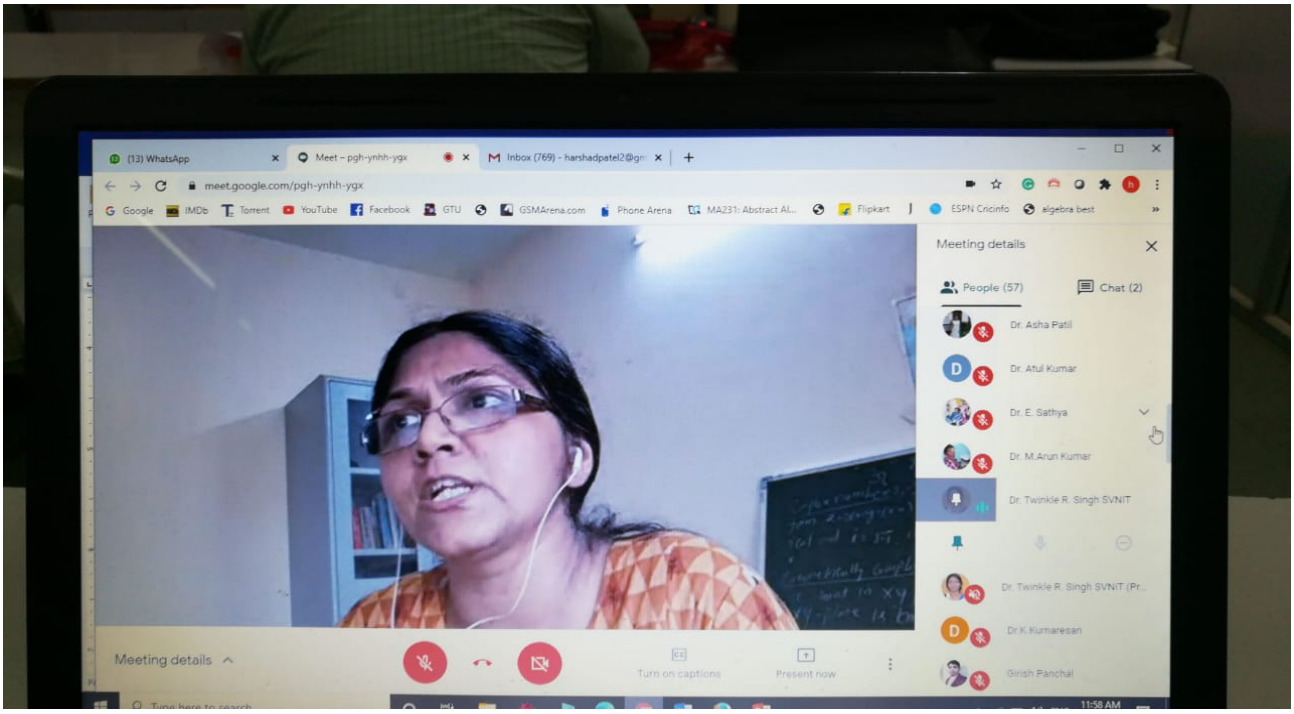
Applied Science and Humanities Department

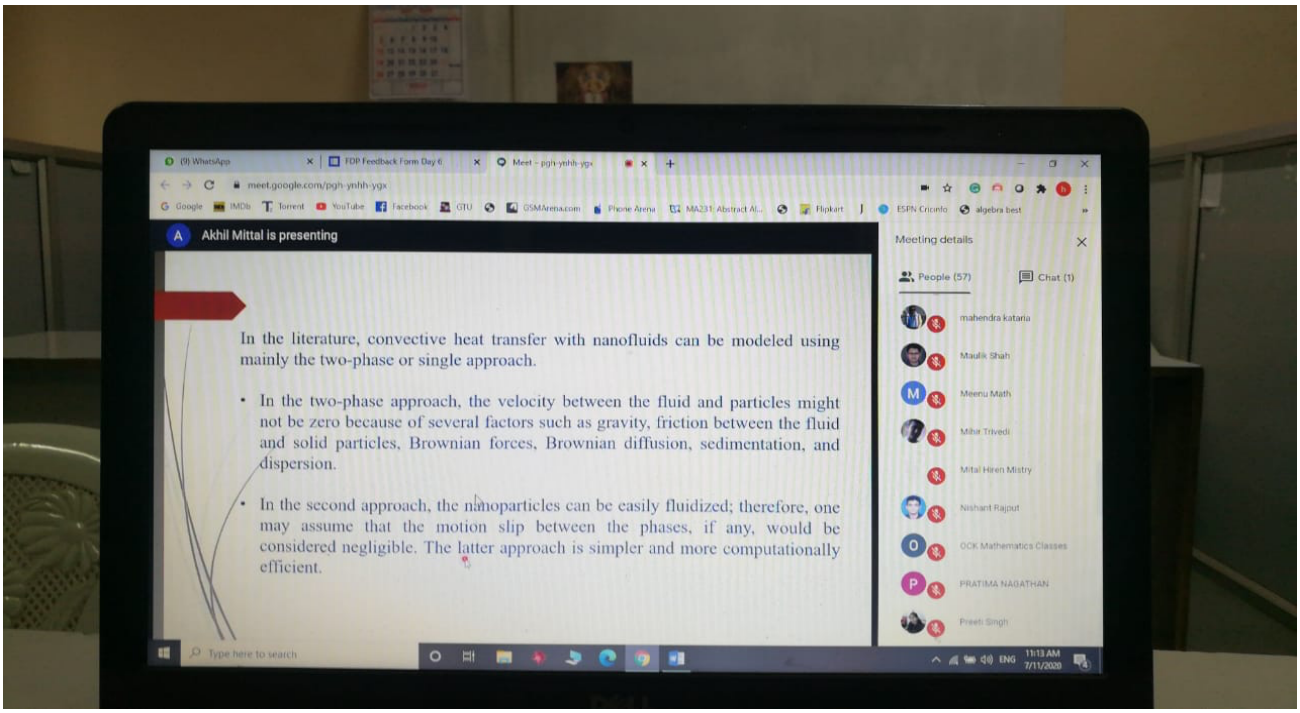
FDP on Mathematical Aspects of Fluid Dynamics

Applied Sciences and Humanities Department has organized one week National level Faculty Development Program on **"Mathematical Aspects of Fluid Dynamics"** during 6th July to 11th July 2020. Approximately 236 faculties from all over India have participated in the Faculty Development Program. Dr. Ashvin Chaudhari, Dr. Pavitra, Dr. Twinkle Singh, Dr. N. B. Desai and Dr. Akhil Mittal gave their session in the program. Different aspect of wind flow, fluid flow were discuss in the program by the experts.




meet.google.com/pgh-ynhh-ygx
pavitra vit is presenting
Governing Equations
1. Mass Conservation - continuity equation
2. Momentum equation - Navier-Stokes equation
3. Energy equation - for heat transfer cases or compressible flows
Dr. M.Arun Kumar has left the meeting
Meeting details
People (59)
Chat
Murali Vijay 10:51
Good morning
sudhakar chintu 10:53
Good morning to all
Madhu Sudanan 10:55
Good morning all
Sumit Pant 10:55
Yes sir
shaik Riyaz 10:55
Good morning
Gajanand 10:56
Request to provide the recording video
Rahul Mehta
HOD ASH
Ravi Kumar
Maulik Shah
Sheetal Shen...
Bhogadi Sure...


meet.google.com/pgh-ynhh-ygx
Meeting details
People (57)
Chat (2)
Dr. Asha Patil
Dr. Atul Kumar
Dr. E. Sathya
Dr. M.Arun Kumar
Dr. Twinkle R. Singh SVNIT
Dr. Twinkle R. Singh SVNIT (Pr...
Dr.K.Kumaresan
Girish Panchal
Meeting details
Turn on captions
Present now


Akhil Mittal is presenting
In the literature, convective heat transfer with nanofluids can be modeled using mainly the two-phase or single approach.
In the two-phase approach, the velocity between the fluid and particles might not be zero because of several factors such as gravity, friction between the fluid and solid particles, Brownian forces, Brownian diffusion, sedimentation, and dispersion.
In the second approach, the nanoparticles can be easily fluidized; therefore, one may assume that the motion slip between the phases, if any, would be considered negligible. The latter approach is simpler and more computationally efficient.
Meeting details
People (57)
Chat (1)
mahendra kataria
Maulik Shah
Meenu Math
Mihir Trivedi
Mital Hiren Mistry
Nishant Rajput
OCK Mathematics Classes
PRATIMA NAGATHAN
Preeti Singh
Type here to search
ENG
11:13 AM
7/11/2020