PSIT Kanpur

PRANVEER SINGH INSTITUTE OF TECHNOLOGY
Recognized under Section 2(f) of the UGC Act, 1956
Approved by AICTE and affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow (U.P.)
[College Code: 164]
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IoT CLUB

EVENT REPORT

AUGUST-2025

Prepared By;

Ankit Jain
IoT Club Ambassador
Assistant professor
Department of ECE

Online Webinar

Platform: Google Meet **Date:** 30th August, 2025

On August 30, 2025, a virtual expert talk titled "Innovations in Wireless Communication across Challenging Environments: Underground, Underwater and Terrestrial Domain" brought together scholars and tech enthusiasts to discuss the latest developments in wireless communication.

Dr. Vinay Kumar, Associate Professor, ECE, MNNIT Prayagraj, was the distinguished speaker at the session, which was organized by the IoT Club in

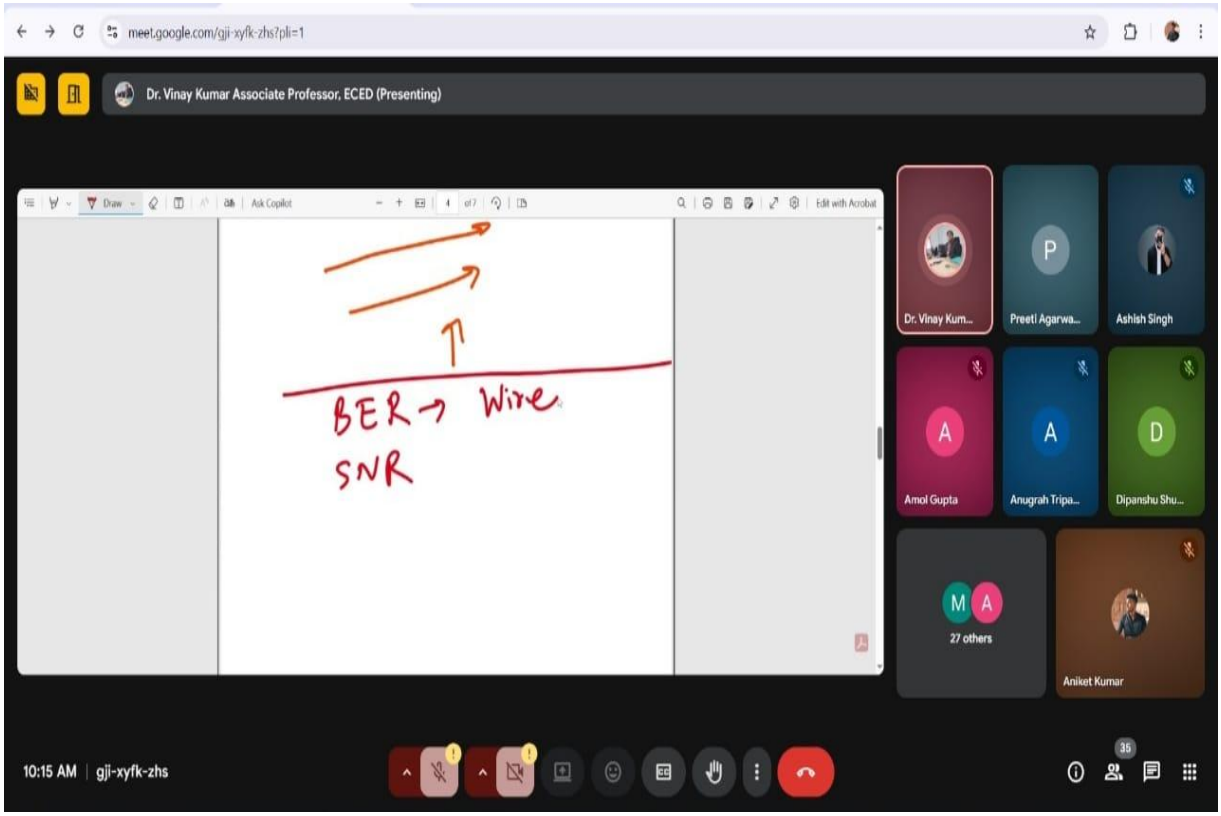
collaboration with the Department of Electronics and Communication Engineering, Pranveer Singh Institute of Technology (PSIT), Kanpur.

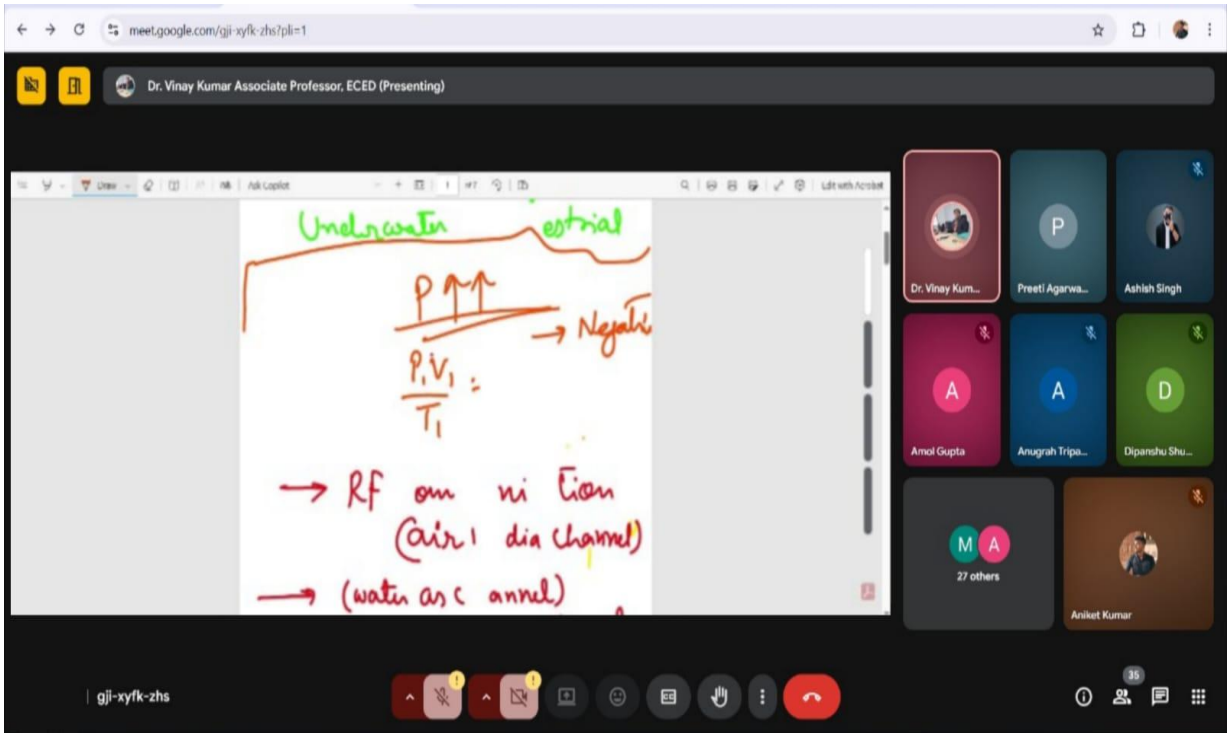
The discussion focused on cutting-edge research and real-world applications while delving deeply into creative approaches to wireless communication in a variety of difficult settings. A thorough discussion of the intricacies of terrestrial, underwater, and subterranean communication systems kept attendees interested. The gathering attracted a sizable audience and offered professionals, academics, and students interested in the direction of communication technologies insightful information. The expert talk's goal of encouraging participants to consider creative solutions to contemporary communication problems was effectively achieved through lively discussion and information exchange.

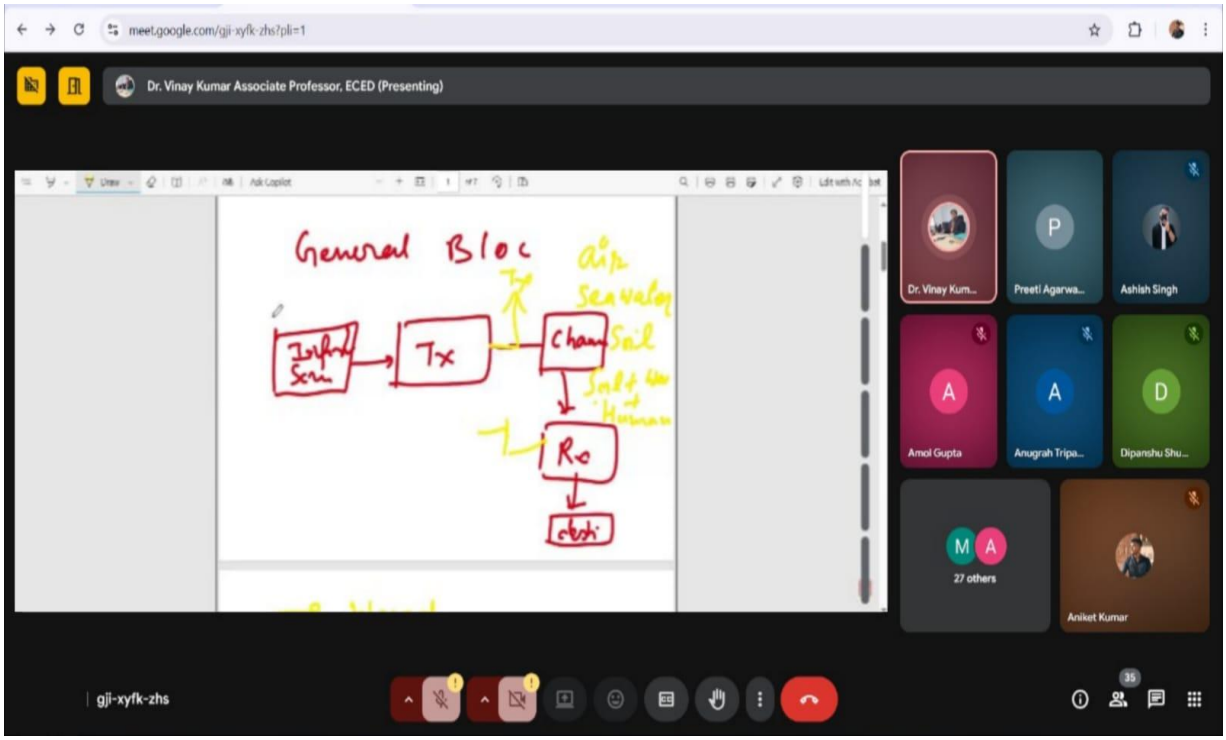
Timing: 10:00 A.M. to 11:00 A.M.

Total Number of students who participated: 52

Photos of the event are attached.




meet.google.com/gji-xyfk-zhs?pli=1
Dr. Vinay Kumar Associate Professor, ECED (Presenting)
Dr. Vinay Kum...
Preeti Agarwa...
Ashish Singh
Amol Gupta
Anugrah Tripa...
Dipanshu Shu...
27 others
Aniket Kumar
gji-xyfk-zhs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27 others
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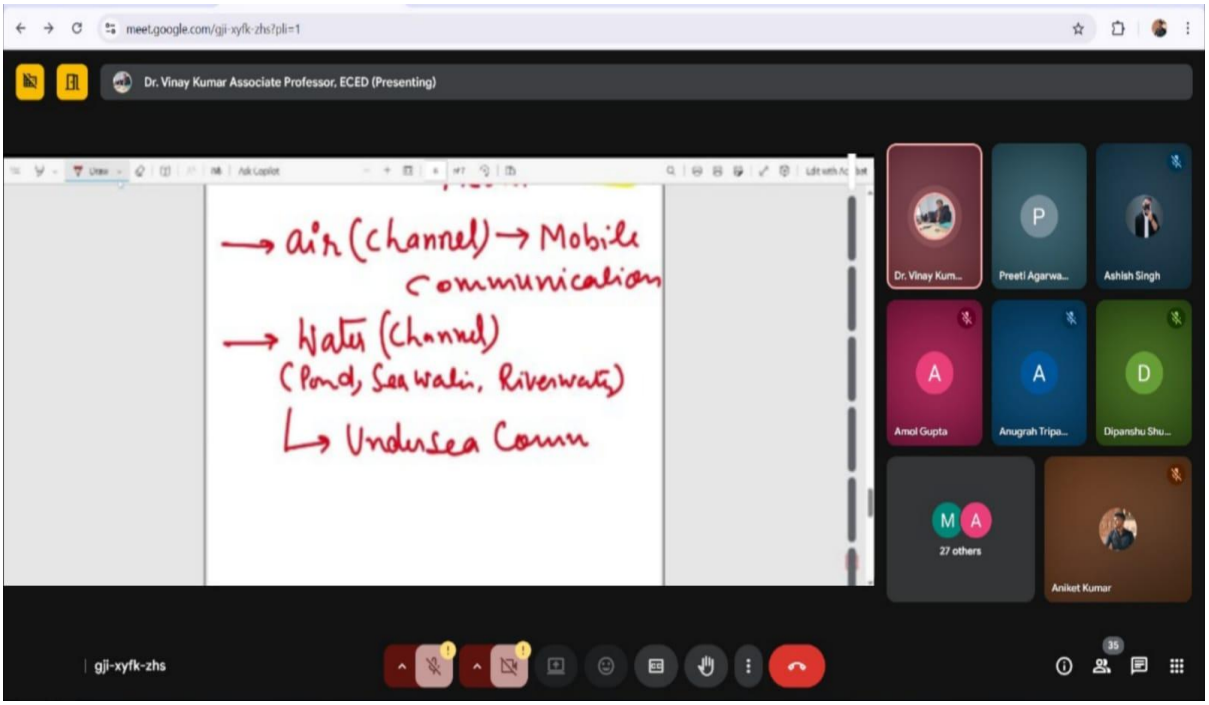
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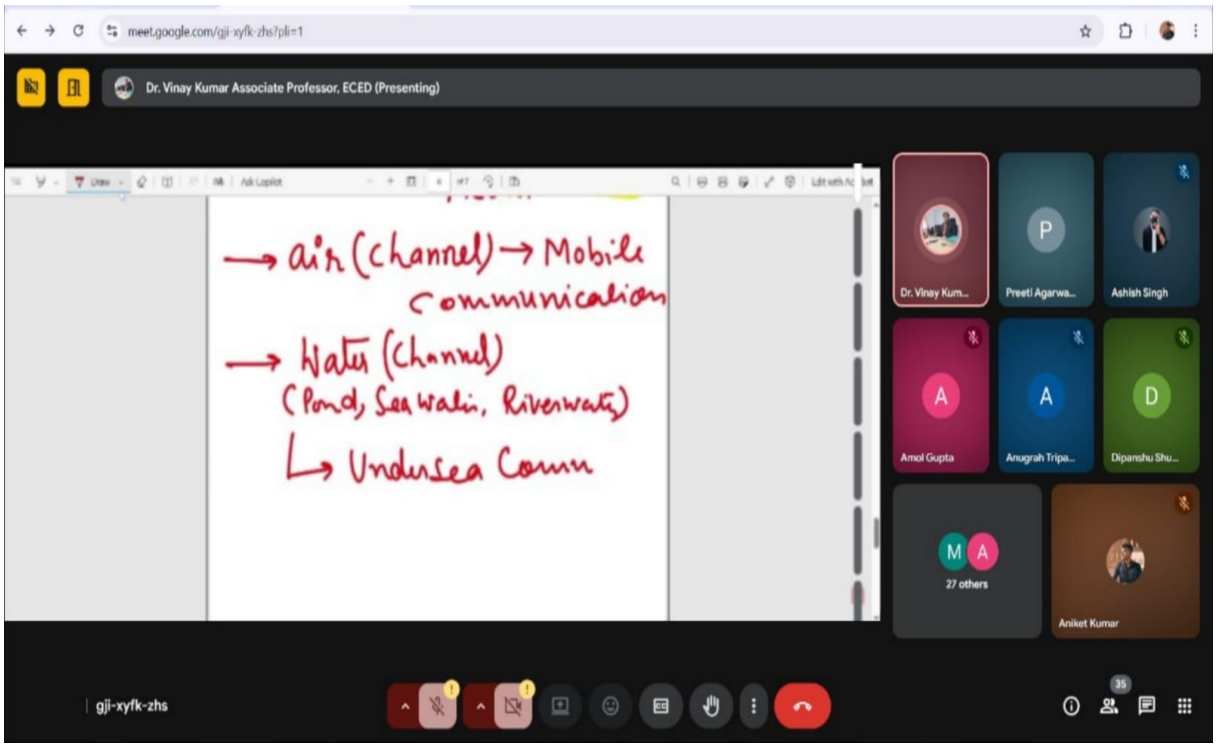
Dr. Vinay Kumar Associate Professor, ECED (Presenting)
→ air (channel) → Mobile communication
→ Water (channel)
(Pond, Seawater, Riverwater)
↳ Undersea Comm
Dr. Vinay Kum...
Preeti Agarwa...
Ashish Singh
Amol Gupta
Anugrah Tripa...
Dipanshu Shu...
27 others
Aniket Kumar
gji-xyfk-zhs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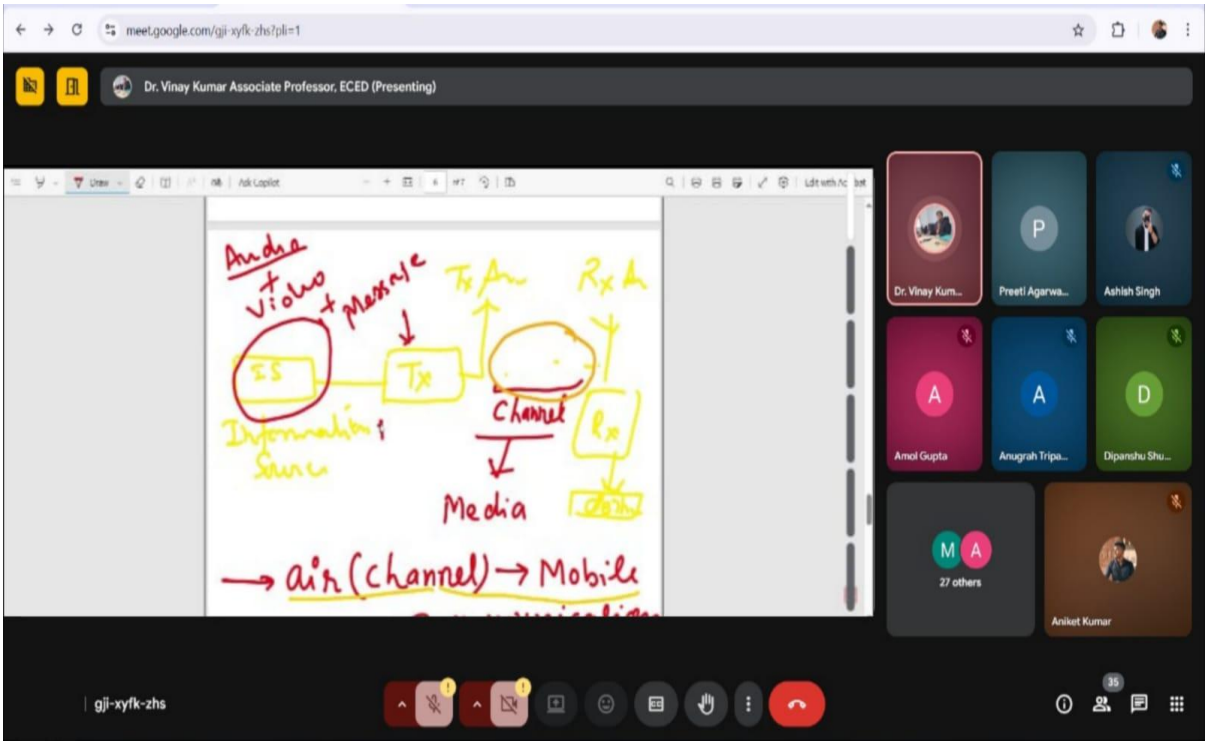
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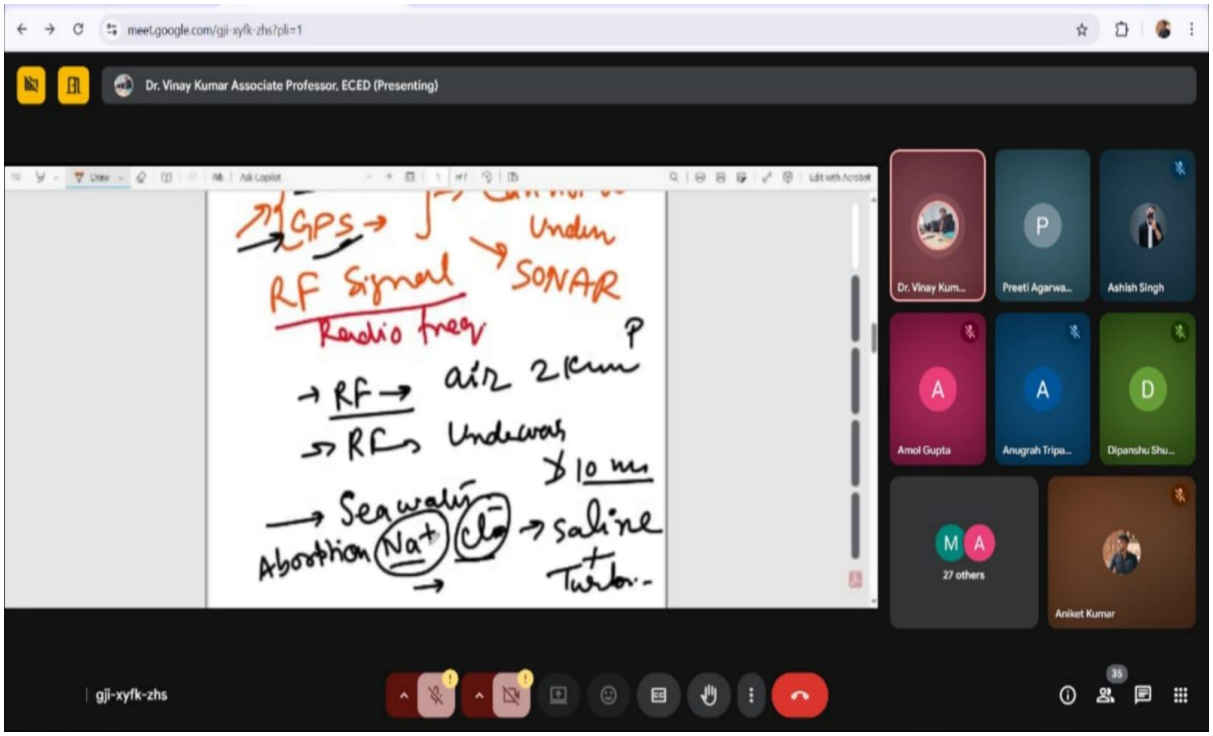
Dr. Vinay Kumar Associate Professor, ECED (Presenting)
Audio + Video + Message
Tx Ant
Rx Ant
Tx
Channel
Rx
Media
air (channel) → Mobile
Dr. Vinay Kum...
Preeti Agarwa...
Ashish Singh
Amol Gupta
Anugrah Tripa...
Dipanshu Shu...
27 others
Aniket Kumar
gji-xyfk-zhs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Dr. Vinay Kumar Associate Professor, ECED (Presenting)
GPS →
Under
RF Signal
SONAR
Radio freq
RF → air 2 km
RF → Underwater
> 10 m
Seawater
Absorption
Nat
Cl
→ Saline
Turbo...
Dr. Vinay Kum...
Preeti Agarwa...
Ashish Singh
Amol Gupta
Anugrah Tripa...
Dipanshu Shu...
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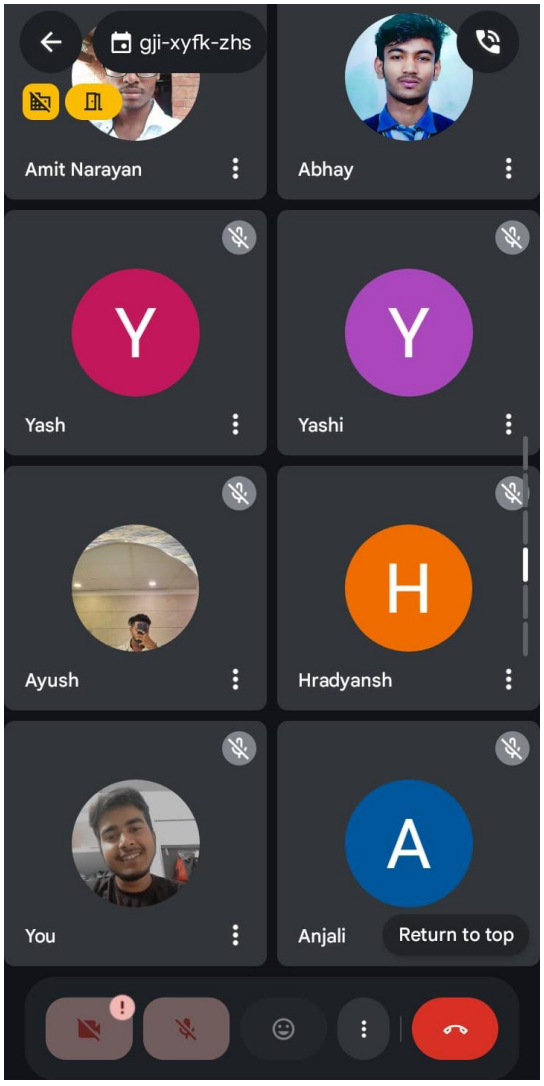
gji-xyfk-zhs
Amit Narayan
Abhay
Yash
Yashi
Ayush
Hradyansh
You
Anjali
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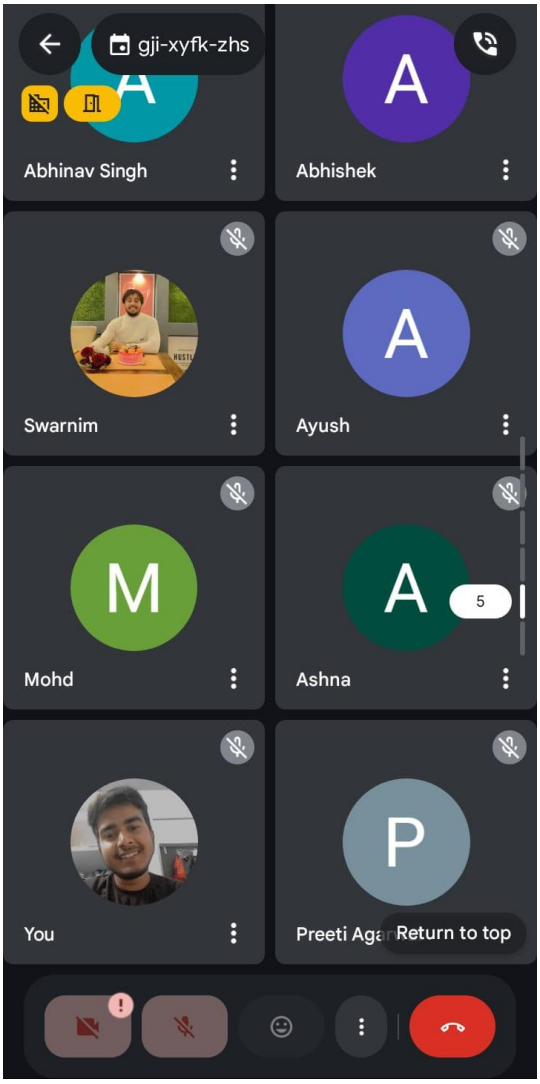
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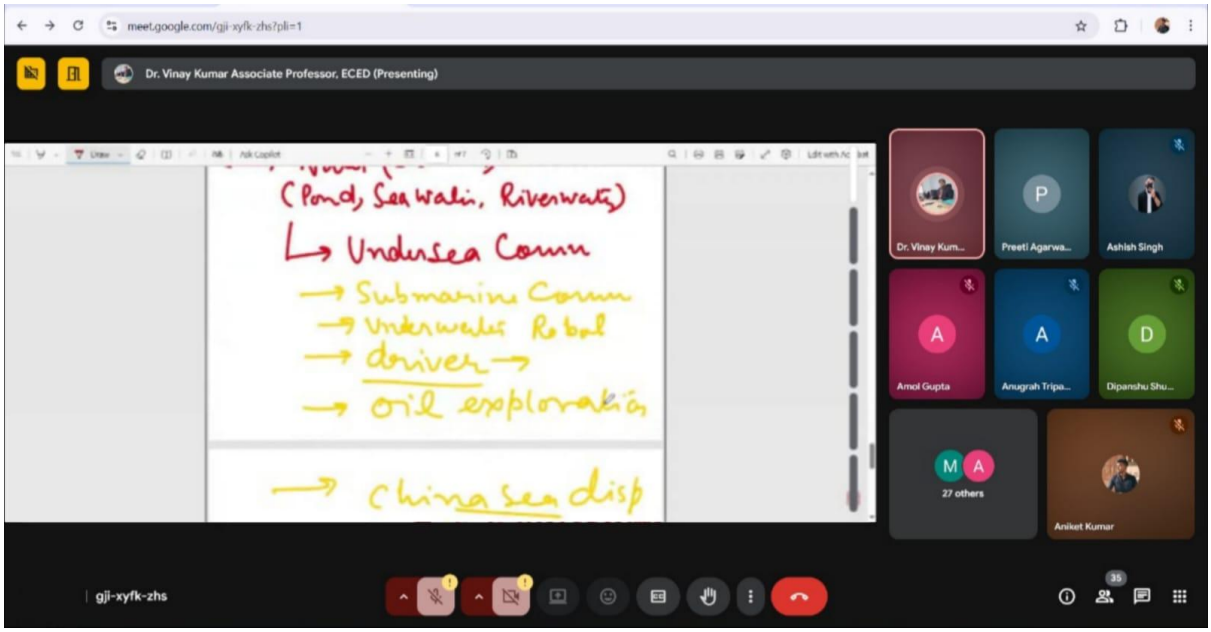
Abhinav Singh
Abhishek
Swarnim
Ayush
Mohd
Ashna
5
You
Return to top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Submarine Comm
Underwater Robot
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oil exploration
China sea disp
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