

**Department of  
ELECTRONICS AND COMMUNICATION ENGINEERING**

**A Report on  
5 Days FDP on "AI Enabled Augmented Reality/Virtual Reality  
in Communication & Signal Processing Applications"  
(3<sup>rd</sup> October 2023 to 7<sup>th</sup> October 2023)**

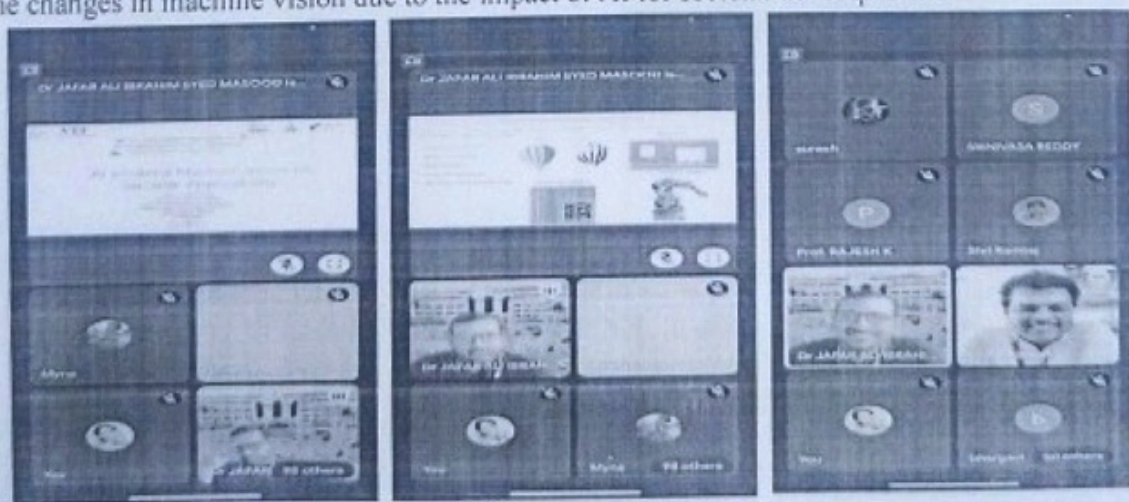
The Department of ECE successfully conducted five days FDP on " *AI Enabled Augmented Reality/Virtual Reality in Communication & Signal Processing Applications* " for Faculty from 3<sup>rd</sup> October 2023 to 7<sup>th</sup> October 2023. The FDP aimed to enhance the faculty's skills and understanding in the field of AI enabled augmented Reality & Virtual Reality in communications & signal Processing equipping them to impart knowledge to their students effectively and gave them an understanding of metaverse and incorporated technology in to its functioning. This program was designed with expert speakers delivering lectures from various domains based on their expertise.

Total 415 Faculty were registered for the FDP and participation certificate to all active participants acquiring more than 75% of attendance.

**Mrs. K. MADHAVI**, acted as Coordinator for the five day FDP, on the day of inauguration, she has given complete outline of the program and schedule of all day with speakers.

**Day-1:**

**Day one** started with an enlightening session by Prof, Dr. Jafar Ali Ibrahim, on '*AI Powered Machine Vision Approaches for societal developments*'. The presentation showcased the changes in machine vision due to the impact of AI for societal developments.

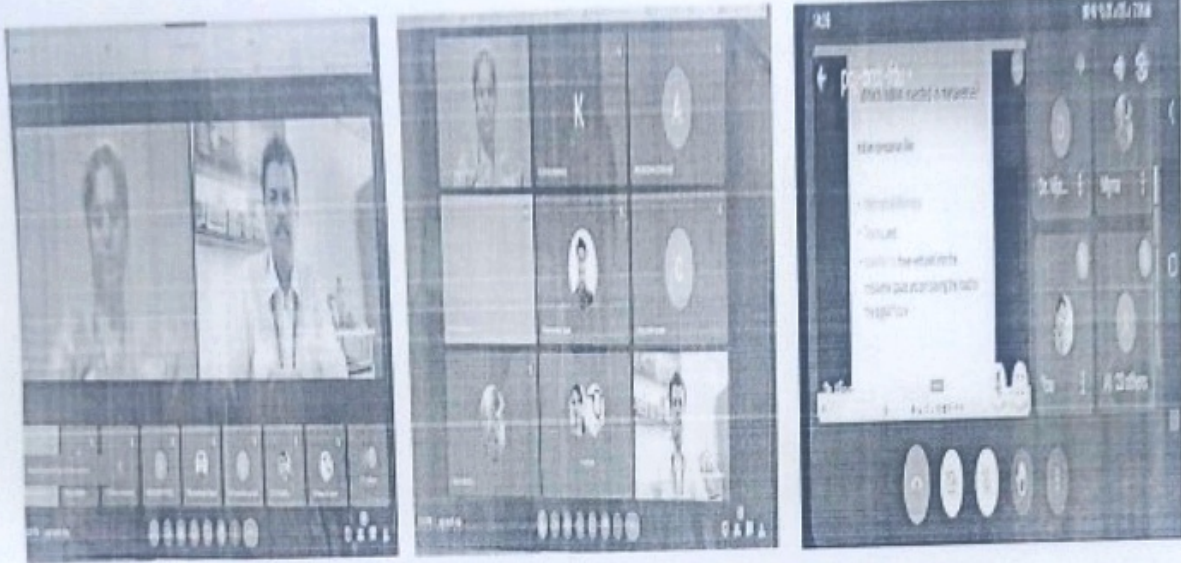


Dr Jafar Ali Ibrahim, Professor as resource person



**Day-2:**

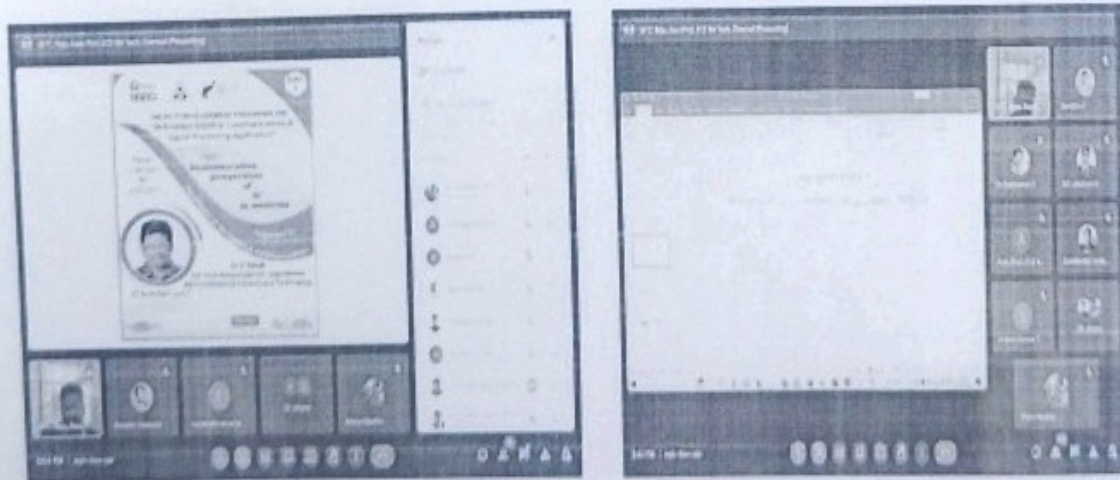
On day two the session was handled by Dr. K. Vijayalakshmi, on "Artificial Intelligence for Metaverse & Digital Future". The session has lot of information on metaverse, core technologies in the metaverse, examples and AI for signal processing.



Dr K Vijayalakshmi, Professor sharing her thoughts on AI & Digital Future

**Day-3:**

Dr. C. Raja, detailed his talk on 'Implementation Perspectives of AI in Medicine using Python'. The presentation showcased the changes in machine vision due to the impact of AI for medical developments.

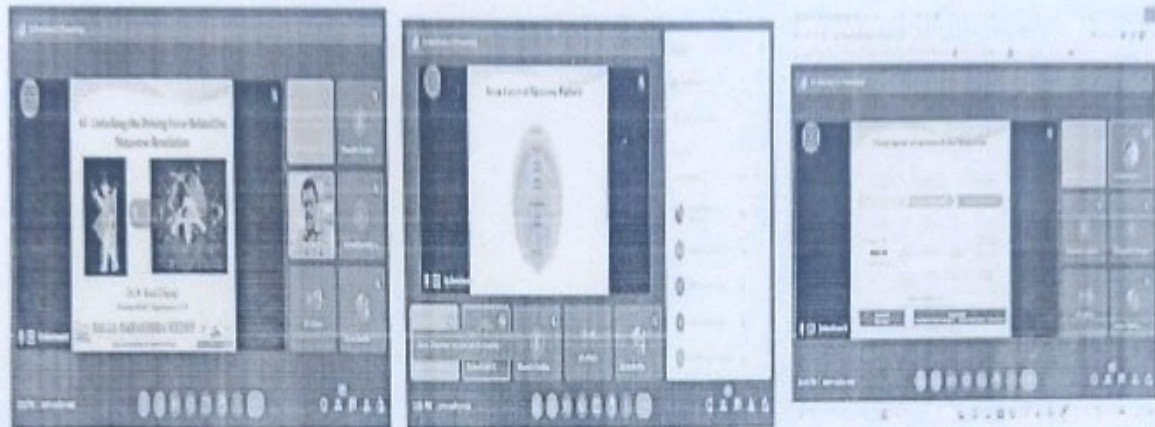


Dr C Raja, Professor shared his expertise



**Day-4:**

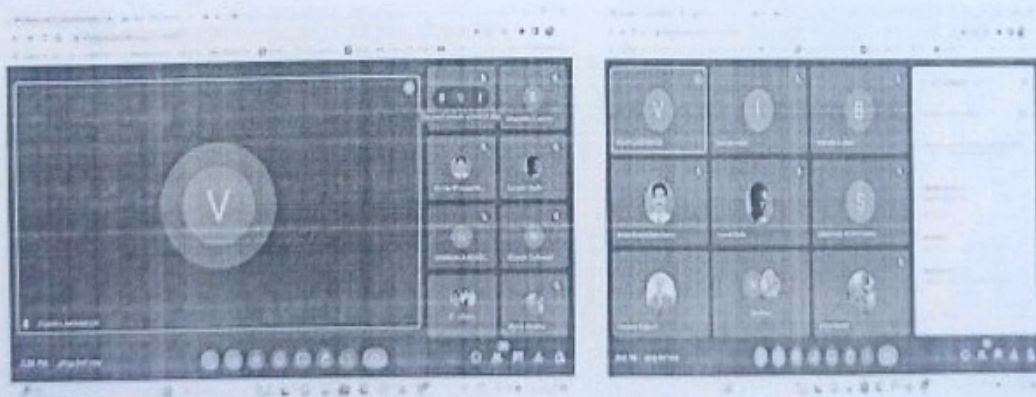
Dr. S. Ravichand, HOD, ECE, enlightened a session on '*AI: Unlocking the Driving force behind the Metaverse Revolution*'. The presentation covered lot of information about metaverse and its use, how metaverse impacts the market, governance structure of the metaverse and technologies of metaverse.



Session by Dr.S. Ravichand, Hod of ECE

**Day-5:**

Dr. Ch. Vijayalaxmi, shared her knowledge on '*Future ERA of AI- Enabled AR/VR communications*'. The presentation showcased the changes in AR/VR communication and its use and significance AR/VR on online education.



Session by Dr.Ch.Vijayalakshmi

Place: Hyderabad  
 Date: 22/08/2023

  
**HOD-ECE**  
**Convener**