



Aditya Engineering College (A)
Department of Electronics and Communication Engineering



AICTE Teaching And Learning (ATAL) Academy Sponsored Faculty Development Program on
“Role of AI in Speech and Image Processing for Disease Prediction”
(5th-10th February 2024)

Day	9:30 AM-11:00 AM	11:15AM - 1:00 PM	1:00 PM – 2:00 PM	2:00 PM– 3:30PM	3:45 PM – 5:30 PM	
05/02/2024	Inauguration & Session-1 Speech Processing in Emotion Conditions Dr. Anil Kumar Vuppala, IIIT, Hyderabad	Article Discussion	Lunch	Session-2 Pathological Speech Processing Dr. Anil Kumar Vuppala, IIIT, Hyderabad	Hands-on Session	
06/02/2024	Session-3 Set Theoretic Approaches to Image Segmentation Dr. Anupama Namburu Jawaharlal Nehru University, New Delhi	Article Discussion		Session-4 MR Brain Medical Image Segmentation Dr. Anupama Namburu Jawaharlal Nehru University, New Delhi	Hands-on Session (MATLAB)	
07/02/2024	Session-5 Recent Machine Learning Approaches to Image Classification Dr. K. Meenakshi, GRIET, Hyderabad	Article Discussion		Session-6 Skin Melanoma Detection using Machine Learning Dr. K. Meenakshi GRIET, Hyderabad	Hands-on Session (Python)	
08/02/2024	Session-7 National Educational Policy -2020 Implementation Dr. Ch. Srinivasa Rao, JNTUK, Narasaraopet			Visit to Radiology department, Medicover hospital, Kakinada.		
09/02/2024	Session-8 Vision to Computers: The CNN Model Development. Dr. P V V Kishore Chair, Biomechanics and Vision Computing Research Center, KLEF, Vaddeswaram	Article Discussion		Session-9 Deep Learning for Computer Vision Applications Dr. P V V Kishore Chair, Biomechanics and Vision Computing Research Center, KLEF, Vaddeswaram	Hands-on Session (Python with tensor flow framework)	
10/02/2024	Session-10 AI Inference on the Edge: Speech-to-Text Conversion using LSTM Network Dr. Karri Manikanta Reddy Advanced Micro Devices, Hyderabad	Hands-on Session (Vitis Tool) & Reflection Journal		MCQ, Feedback, and Interactions		Valedictory

Venue: Morning Session: Seminar Hall, R. No: 209, Second Floor, Cotton Bhavan
 Afternoon Session: CP Lab-1, R.No. 312, Third Floor, Ratan Tata Bhavan