Department of Electrical and Electronics Engineering

REPORT

Department of Electrical and Electronics Engineering & Department of Electronics and Instrumentation Engineering organized a One week FDP on "**Scientific Computing Through MATLAB**" from 2nd to 6th December 2019.

The main objective of the workshop is to Introduce Machine Learning, Deep Learning, Computer Vision, Audio Signal Processing toolbox, DSP Toolbox, Live script in MATLAB, Embedded Coder, MATLAB Coder, SIMULINK Coder, and Fixed-Point Designer in MATLAB. Recourse person also explained about audio processing systems and algorithms with real-time applications.
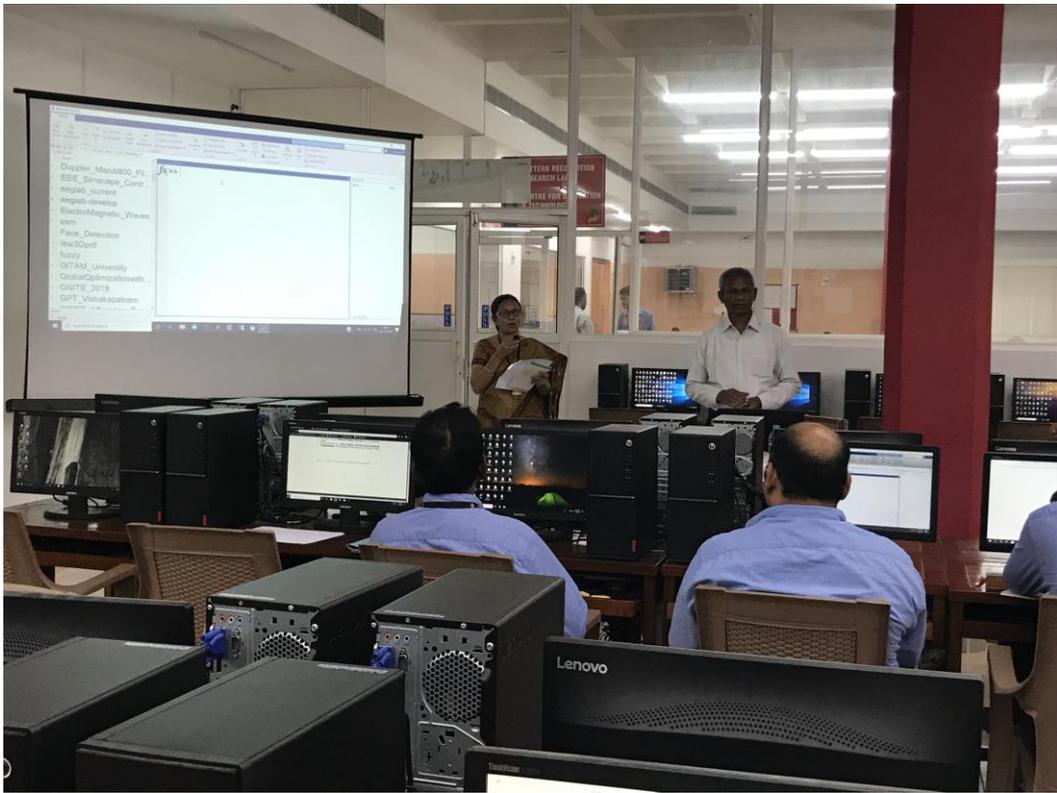
A total of 60 faculty members were benefited by attending this workshop.

The Outcomes of the program:

1. Read and write images using MATLAB.

2. Pre-process image data and analyze them for extracting image features.

3. Utilize image features and information for different applications such as classification.

4. Apply machine learning and deep learning concepts to solve problems in different domains.

5. Acquired knowledge on how to use Audio Signal Processing toolbox, DSP Toolbox and different coders in MATLAB.

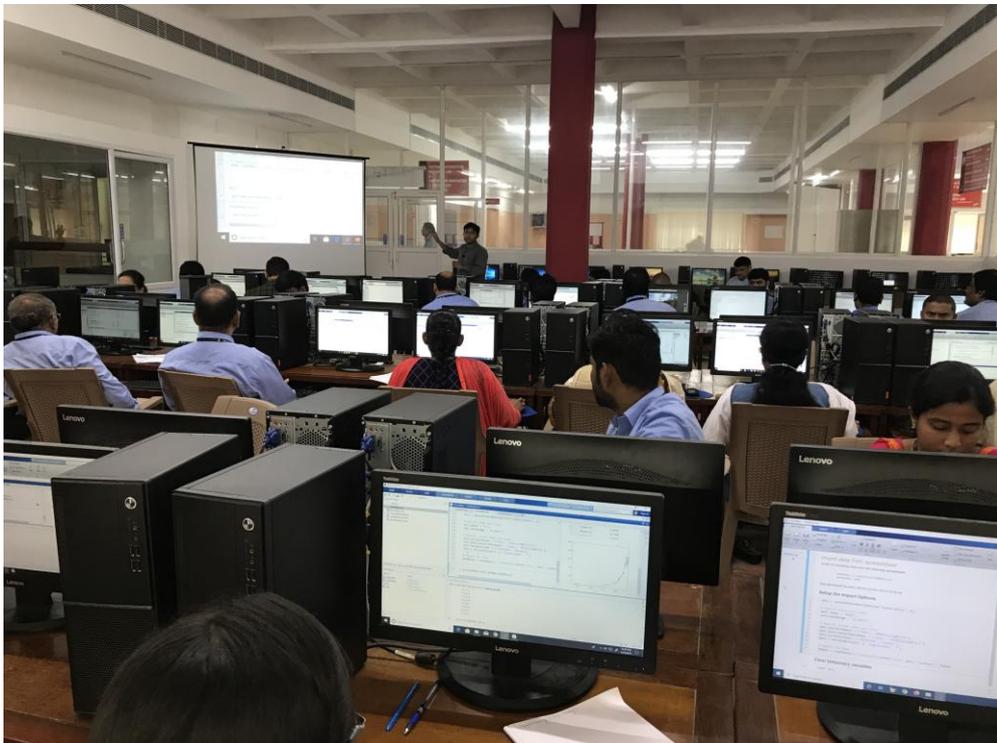6. Beneficiaries can able design simple real-time audio systems using basic algorithms.

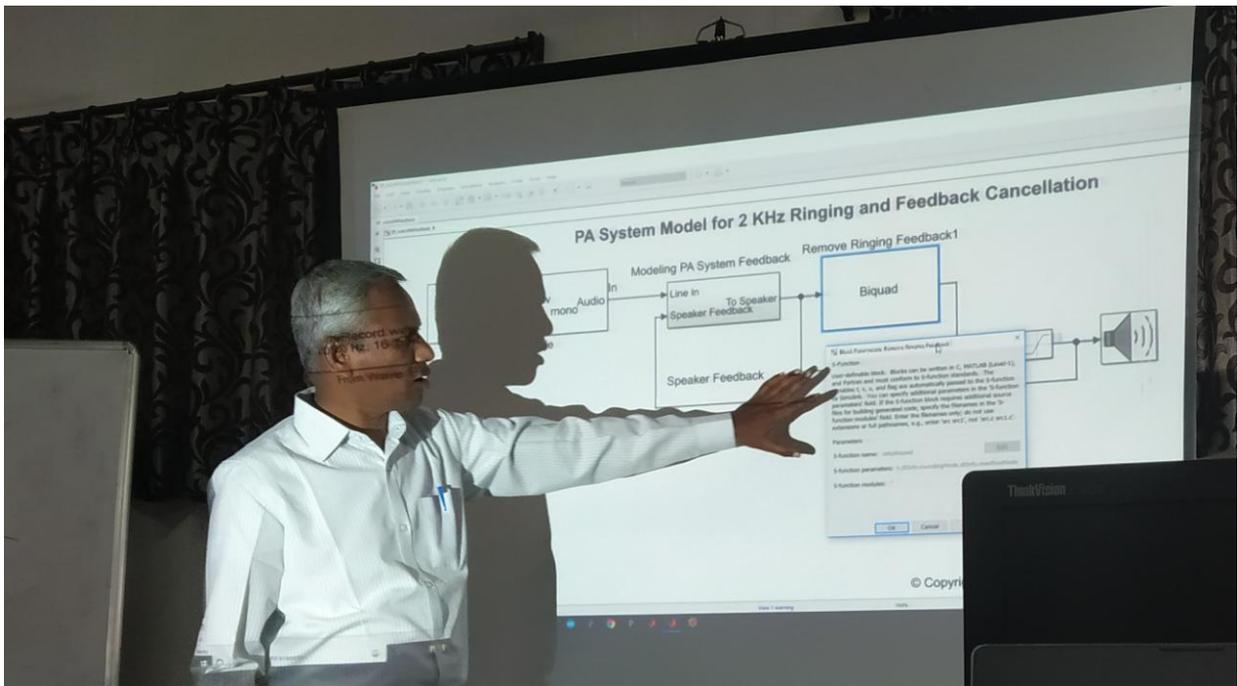*Dr. N. Gireesh, HOD, Department of EIE delivering the Welcoming Address*

Dr.M.Sujatha, HOD, Department of EEE addressing the gathering

Resource person:

Dr. Souvick Chatarjee, Educational Technical Evangelist , MATHWORKS., Delhi.

Mr. Prem Kumar J, Product Manager, Capricot Technologies Pvt. Ltd., Hyderabad.

Cross section of participants

HOD, EIE