



Learn Beyond

KPR Institute of Engineering and Technology

(Autonomous, NAAC "A")

Avinashi Road, Arasur, Coimbatore.

Phone: 0422-2635600**Web:** kpriet.ac.in**Social:** kpriet.ac.in/social**EC002****NBA Accredited**
(CSE, ECE, EEE,
MECH, CIVIL)**VALUE ADDED COURSE ON SIGNAL AND IMAGE ANALYSIS USING MATLAB TOOLS**

Event No	EC002
Organizing Department	Electronics and Communication Engineering
Date	18/01/2024 to 20/01/2024 (3 Days)
Time	09:00 AM to 04:19 PM
Event Type	VAC / Training Program
Event Level	Dept. Level
Venue	DSN Laboratory
Total Participants	30
Students - Internal	30

Related SDG**Resource Persons**

Sl	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Kalirajan K	Professor	KPRIET	kalirajan.k@kpriet.ac.in	xxxxxxxxxx
2	Resource Person	Murugan K	Associate Professor	KPRIET	murugan.k@kpriet.ac.in	xxxxxxxxxx
3	Resource Person	Pradeepkumar G	Assistant Professor	KPRIET	pradeepkumar.g@kpriet.ac.in	xxxxxxxxxx
4	Resource Person	Ramnivas D	Assistant Professor	KPRIET	ramnivas.d@kpriet.ac.in	xxxxxxxxxx

Involved Staffs

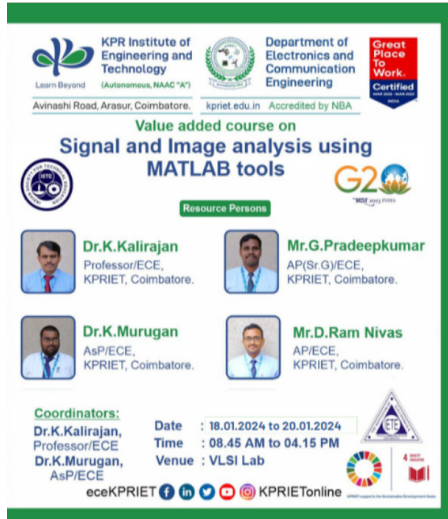
Sl	Name	Role
1	Kalirajan K	Coordinator
2	Murugan K	Coordinator

Outcome

Mastery of MATLAB Skills: Gain proficiency in using MATLAB for signal and image analysis. Develop skills in programming, data manipulation, and visualization using MATLAB's powerful toolset. **Understanding of Signal and Image Processing Concepts:** Acquire a solid foundation in the fundamental concepts of signal and image processing. Explore techniques for filtering, transformation, and feature extraction in both signal and image domains.

Event Summary

The department of ECE has organized a value added course on Signal and Image Analysis Using MATLAB Tools from 18.01.2024 to 20.01.2024 as a part of the skill development service to the student community. This value added course started with introduction to MATLAB Tools and signal processing fundamentals. Participants were introduced to fundamental concepts and techniques in signal processing, such as filtering, Fourier analysis, and spectral analysis. Practical exercises using MATLAB allowed participants to apply these techniques to analyze and manipulate signals effectively. In the second day, students were exposed with the image enhancements using filtering, histogram processing and image de-blurring. In third day, hands-on training was given to the students in different signal processing and imaging applications using MATLAB Tools. The course was delivered through a combination of lectures, hands-on lab sessions, demonstrations, and project assignments. Experienced instructors guided participants through the course material, providing step-by-step instructions and practical tips for using MATLAB tools effectively. Participants had access to MATLAB software and resources to facilitate their learning and experimentation. Totally 30 second year students of ECE department are participated in this value added course.



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Department of Electronics and Communication Engineering

Great Place to Work. Certified

Value added course on
Signal and Image analysis using MATLAB tools

Resource Persons

Dr.K.Kalirajan
Professor/ECE,
KPRIET, Coimbatore.

Mr.G.Pradeepkumar
AP(Sr.G)ECE,
KPRIET, Coimbatore.

Dr.K.Murugan
AsP/ECE,
KPRIET, Coimbatore.

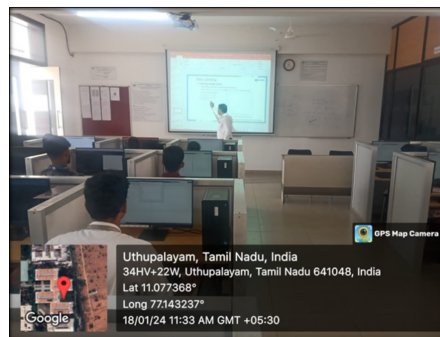
Mr.D.Ram Nivas
AP/ECE,
KPRIET, Coimbatore.

Coordinators:
Dr.K.Kalirajan,
Professor/ECE
Dr.K.Murugan,
AsP/ECE

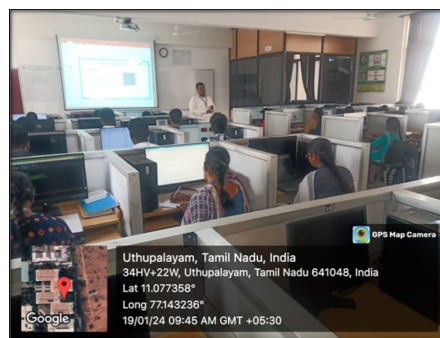
Date : 18.01.2024 to 20.01.2024
Time : 08.45 AM to 04.15 PM
Venue : VLSI Lab

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