

JEPPIAAR ENGINEERING COLLEGE

DEPT. OF ELECTRONICS & INSTRUMENTATION ENGINEERING

TWO DAYS NATIONAL LEVEL TECHNICAL WORKSHOP ON SIGNAL & IMAGE PROCESSING USING MATLAB & LabVIEW

The Department of Electronics and Instrumentation Engineering conducted a Two days National Level Technical workshop on Signal & Image Processing on the 27th and 28th January, 2014 at Jeppiaar Engineering College. The workshop was attended by over 150 participants from over 12 different engineering colleges from all over India. The participants were selected from over 400 registrations.

DAY 1:

Inauguration Ceremony



The workshop was inaugurated by our esteemed Director Ma'am **Ms.Regeena.J.Murli. B.Tech., M.B.A., (Ph.D).**, Jeppiaar Engineering College. The Welcome speech was given by our respected P.G. Principal Dr.N.Thangavel. The function was attended by the HODs of all the departments and Faculty Members. The keynote speech



was delivered by the Chief Guest Dr. R.Govindaraj, CEERI, Chennai.

Session I – Technical Talk on MATLAB

The workshop began with **Dr. Govindaraj** giving a brief introduction on MATLAB to all the participants. The session included various real time applications of the software to make the projects easier to construct. He then gave tips on coding and programming to the participants. **Session**



Dr.Govindaraj at Session 1
Technical Talk

Participants at session 1

II & III – Hands-on Training on MATLAB

The participants were then given hands-on training by the Senior Faculty members of the E&I Department of our college. The session began with the advantages of using MATLAB. The participants were given thorough briefing regarding the various tools available in MATLAB along with the coding language used in it. The basics were taught before giving the participants a few problems to solve themselves.



The session and the first day ended with participants eager to learn even more on the second day of the workshop.

DAY 2:

Session I – Technical Talk on LabVIEW

Dr.D.Nedumaran, Professor, Madras University gave a speech on the fundamental concepts of Signal and Image Processing using LabVIEW. Relevant examples of each application along with graphs and images were dealt for better understandability. The topic also covered Image processing onto biomedical applications such as ECG, EEG, etc. Real time simulated programs on LabVIEW were also explored.



Session II & III – Hands-on Training on LabVIEW

The participants were then given hands-on training by the Senior Faculty members of the E&I Department on LabVIEW. Starting from the basics of Signal and Image Processing many examples were shown and solved to help the participants understand LabVIEW in a better manner. At the end, the participants were given various experiments and applications. The session ended with a discussion where the participants shared their views.

Valedictory Function

The workshop was concluded with the valedictory function where the participants were given their participation Certificates by the P.G. Principal Dr. N.Thangavel and the Head of the Department of Electronics and Instrumentation Engineering, Dr. G.Sathiyabama.



Feedback

The participants had very good things to say about our college and the workshop in the feedback session. They praised the faculty members who conducted the two hands-on training sessions for their immense experience and valuable inputs as well as their friendly nature. The session and workshop concluded with National Anthem.

Conclusion

The workshop turned out to be an eye opener for the students who wanted to learn the basics of Image and Signal Processing using MATLAB & LabVIEW.

We thank the support of the Management, Head of Department, faculty members and Volunteers who helped us in conducting this workshop a grand success.

List of Participants:

S.No.	College Name	No. of Participants
1.	Saveetha School of Engineering	25
2.	Nandha College of Technology	7
3.	Panimalar Institute of Technology	4
4.	SRR Engineering College	5
5.	A.M.A. College of Engineering	4
6.	Jeppiaar Institute of Technology	11
7.	Madha Engineering College	4
8.	K.Ramakrishna College of Engineering	4
9.	K.Ramakrishna College of Technology	2
10.	Prathyusha Institute of Technology	1
11.	Dhanalakshmi College of Engineering	1
12.	Nandha Engineering College	1
	Total	69

Number of ISA members: **37**

Number of Non-ISA members: **32**

Number of Non-EIE participants: **16**

Total Number of Participants: **154**