ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dept. of Electronics and Communication Engineering

Certification Course
On

"MATLAB and its Application in Signal and Image Processing"

To,

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Dept. of Electronics and Communication Engineering

We cordially invite you to the

Certification Course
On

"MATLAB and its Application in Signal and Image Processing"

By
Mr.Sanjeeva Kybakaddi,
ITIE knowledge Solutions,
Bangalore

Venue: Internet Lab
Date: 11/10/2016 to 15/10/2016

Mr. Santhosh S
Staff Coordinators

Dr. D V Manjunatha
HOD

About the Institution

Alva's Institute of Engineering & Technology (AIET) is a premier Engineering Institute of Alva's Education Foundation established in the year 2008.

AIET is recognized by All India Council for Technical Education (AICTE), New Delhi and affiliated to Visvesvaraya Technological University (VTU), Belgaum, approved by Govt. of Karnataka. Ranked as one of the best Technical Institute in Dakshina Kannada region. AIET has established Multi-Disciplinary Research Centers viz Center for Robotics, EMS, CAD Center, Linux Lab.

About the Department

Department of Electronics & Communication was started in the year 2008-09. ECE branch is concerned with the design, development, manufacture and application of electronic devices, circuits and systems. It plays great emphasis on deep understanding of fundamental principles and state of the art knowledge about Electronic Devices and Circuits, Computer Architecture and Microprocessors, VLSI and Embedded systems, Electromagnetic Field Theory, Analog and Digital Communication, Digital Signal Processing, Microwave and Broadband Communications, MEMS Research and Development Lab.

Scope of the Course

Advances in integrated circuit technology have had a major impact on where and how digital signal processing techniques and hardware are applied. An understanding of digital signal processing fundamentals and techniques is essential for anyone whose work is concerned with signal processing applications.

This course introduces the basic concepts and principles underlying discrete-time signal processing. Concepts will be illustrated using examples of standard technologies and algorithms.

Course Content

1. Fundamental of Signal Processing.
2. Introduction of MATLAB.
3. Analog to Digital Conversions.
4. Design of Filters.
5. Convolution and Correlation.
6. Color Image Processing.
7. Color Models.

RESOURSE PERSON

Mr.Sanjeeva Kybakaddi,
ITIE knowledge Solutions,
Bangalore

PROGRAM SCHEDULE

October 11 , 2016	
Introduction:	09:00 am to 10:30 am
Tea Break:	10:30 am to 11:00 am
Session 1:	11:00 am to 01:00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 2:	02:00 pm to 05:00 pm
October 12 , 2016	
Session 3:	09.30 am to 11:00 am
Tea Break:	11:00 am to 11:15 am
Session 3:	11:15 am to 01:00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 4:	02:00 pm to 05:00 pm
October 13 , 2016	
Session 5:	09.30 am to 11:00 am
Tea Break:	11:00 am to 11:15 am
Session 5:	11:15 am to 01:00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 6:	02:00 pm to 05:00 pm
October 14 , 2016	
Session 7:	09.30 am to 11:00 am
Tea Break:	11:00 am to 11:15 am
Session 7:	11:15 am to 01:00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 8:	02:00 pm to 05:00 pm
October 15 , 2016	
Session 9:	09.30 am to 11:00 am
Tea Break:	11:00 am to 11:15 am
Session 9:	11:15 am to 01:00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 10:	02:00 pm to 04:00 pm
Valedictory:	04:00 pm to 05:00 pm