

## Registration Details

Industry Personnel : Rs 500/-

Academicians : Rs 400/-

Students : Rs 300/-

Spot Registrations are accepted

## NOTE :

Participants are Requested to get their own laptops with  
MAT LAB software installed.

Two Students Can Share a Laptop.

## Organising Committee

### Convenor

Mr. K.G MURALI MOHAN

Assoc. Prof & HOD

Email:murali\_biochem2002@yahoo.co.in

Cell:8125172218, 9848338867

## Faculty Co Ordinators

Mrs.B. Saritha

Ms.G.Keerthi Kalyani

Ms.D.Sowjanya

Ms.P.Sai Sruthi

## Student Co Ordinators

Mr.Habib Ali

Mr.Sravan Kumar.K

Mr.B.Sai Goutham

Ms.K.R.Kavya Sree

Mr.Mohd Shahabuddin

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## J. B. INSTITUTE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

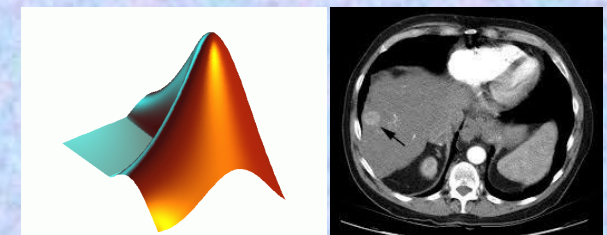
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to JNTUH)

Yenkapally, Moinabad Mandal, R.R Dist, Hyderabad-500075  
website:www.jbiet.edu.in

## ONE DAY NATIONAL LEVEL WORKSHOP ON

## "BIOMEDICAL IMAGE PROCESSING"

19th March 2013



*Organised by*  
**DEPARTMENT OF BIOMEDICAL  
ENGINEERING  
JBET**

## About Department

The Department of Bio Medical Engineering was established in 2003 with an intake of 30 in Bachelor Course of Bio Medical. At present BME course is having an intake of 60 each. This branch is fast growing, well disciplined and full of rigorous practical analysis. This Department has well equipped laboratories and logical reasoning is stressed in all practical applications. With talented faculty, the Department boasts of a unique mode of learning, one that uses advanced aids of teaching. Students of this branch have fulfilled the promise kept on them by getting selection in some of the top notch of software/hardware companies of India like Infosys, HCL, Satyam, Wipro, Infosys, Siemens etc. The Department is awaiting permission to introduce M.Tech Biomedical Signal Processing and Instrumentation.

## Resource Person

The Session will be delivered with hands on Training by experienced academic personality:

Mr.Abhishek is working as Assistant Professor in department of Medical Electronics, BMSCE He has also worked as research associate in Centre for Nanoscience and Engineering (CeNSE), IISc, Bangalore.

## About Workshop

### Introduction

This hands on workshop aims at providing basic knowledge of MATLAB and its application for Medical Digital Image Processing used for research. This custom course outline created especially for ramping up the students of Biomedical Engineering.

### Objective

This course provides an aggressively gentle introduction to MATLAB®. It is designed to give students / Participants fluency in MATLAB, including popular toolboxes. The course consists of interactive lectures with students/participants solving sample MATLAB problems. Problem-based MATLAB assignments are given which require significant time on MATLAB.

### Prerequisites

- Programming knowledge of any languages (like C), basic knowledge on signals and systems.
- Engineering Mathematics

### Target Audience

- This program is for budding engineers in the field of Biomedical Engineering (Final Year / Prefinal / 2nd year)
- UG/PG Students and academicians in various disciplines like CSE, IT, ECE, EEE, E&I are also encouraged to participate

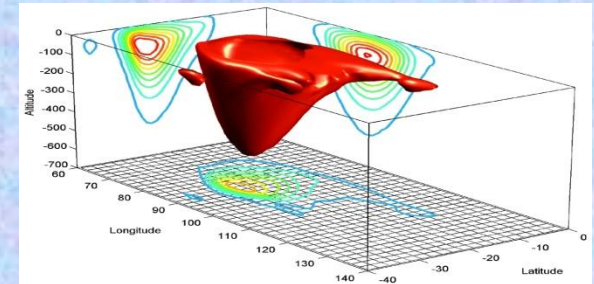
### Schedule

One day program from 9AM to 4PM

## COURSE CONTENTS AND OUTLINE

### I. MATLAB Fundamentals

1. Introduction to MATLAB User Interface
2. Variables and Expressions
3. Analysis and Visualization with Matrices
4. Automating Commands with Scripts
5. Writing Functions



### II. Digital Image Processing using MATLAB

1. Working with Images
2. Image Enhancement Techniques
3. Filtering Images
4. Feature Extraction and Segmentation

