**Patrons**
Prof. M. R. Doreswamy  

date-founder, PES Institutions

Prof. D. Jawahar  

CEO, PES Institutions

**Advisory Committee**

Prof. Ajoy Kumar  

COO, PES Institutions

Dr. J. Suryaprasad  

Principal & Director, PESIT-BSC

**Organizing Committee**

Prof. Sandesh B. J., Dept. of ISE

Dr. Gowri Srinivasa, Dept. of ISE

Prof. Karthik S., Dept. of ISE

Prof. Kiran Kumar, Dept. of ECE

Prof. Renuka Devi M. N., Dept. of ISE

**Important Dates**

Last day for submission of application: 13th July 2015

Intimation of acceptance: 14th July 2015

(Admission on first come first served basis.)

**Registration**

Please send the registration form (on the adjoining page) along with a cheque/DD drawn in favour of “PESIT - Bangalore South Campus” payable at Bangalore, at the Accounts Office or to the coordinator.

**Spot Registration** will be allowed based on the availability of seats.

**Coordinator and point of contact:**

Prof. Karthik S.

Email: pesse.workshop@gmail.com

**Address for Correspondence:**

Dept. of Info. Sc. and Engg,
PESIT - Bangalore South Campus
Hosur Road (1km before Electronics City),
Bangalore - 560 100.
Phone: (off) 91- 80- 66186610/34
(M) 91-94485-75574

**Registration Fee:**

Rs. 2500/- for industry practitioners,
Rs. 1500/- for faculty and full-time researchers
Rs. 500/- for UG and PG students
The course fee includes lunch on both days.
Please furnish a copy of your ID card with the application form.

**Route Map:**

Transportation

Volvo and other BMTC buses ply with good frequency.

For information on PES route buses contact
Prof. Manohar Bhat (Ph: 9845411299)
Prof. Ghanshyam K. Vala (9845172211)

**SUMMER WORKSHOP**

**ON**

**Introduction to Image Processing: Theory and Practice**

16th – 17th July 2015

**Organized by**

Department of ISE and the Center for Pattern Recognition

PESIT, Bangalore South Campus
Hosur Road
(1km before Electronic City)
Bangalore – 560100
Ph: 080-28521631, 28521632
Fax: 080-28521630
Website: http://www.pes.edu
About the Institution

Peoples Education Society (PES) was established in 1972. PES runs a group of premier institutions that offer a multitude of diploma, undergraduate and postgraduate degree programs in Commerce, Engineering, Management, Medicine, Pharmacy and Science disciplines.

PESIT-BSC, the most recent addition to the PES family of educational institutions received AICTE approval in 2005. PESIT-BSC, affiliated to the Visveswaraya Technological University, Belgaum, Karnataka, offers four year undergraduate engineering degree programs in Computer Science, Electronics, Information Science, Mechanical Engineering as well as postgraduate programs: MBA and MCA.

About the Center for Pattern Recognition

The PES Center for Pattern Recognition is involved in quality research in the areas of pattern recognition and signal processing. It currently focuses on the design of mathematical and engineering tools to solve computational problems in biomedicine, natural language processing and on various applications of data mining primarily in the domains of healthcare and education. Thus, researchers at the Center work at the interface of multiple disciplines such as biology, mathematics and multidimensional signal processing. The Center is committed to dissemination of knowledge in the core areas of pattern recognition and signal processing.

About the Workshop

What is taught in this workshop?

This course provides an introduction to some of the essential concepts in image processing (processing is used as a synecdoche for enhancement and analysis). Starting from an overview of the mathematical representation and computational tools to process and analyze an image, the course covers interesting applications such as in computer-aided medical diagnosis. Participants will be introduced to some implementations in MATLAB®. Carefully designed assignments will provide the participants an opportunity to apply the concepts taught in the course.

Who should attend this course?

If you would like to study or start working on image processing but have been diffident for the lack of know-how on the tools and their use or you are interested in offering this course or related courses as electives in your curriculum this course will be useful.

Who will tutor this course?

Experienced academics and researchers in the relevant domain.

What are the pre-requisites for this course?

A first course on programming would be useful. You may bring a laptop (however, licensed software such as Matlab® will not be provided for installation), if you prefer to use your own for the hands-on sessions.

How is this course structured?

This is an introductory course and would be taught through classroom (theory) sessions and hands-on lab sessions. **Day 1** includes the foundations to image processing, sampling and quantization and various image enhancement techniques. **Day 2** starts with an introduction to mathematical morphology and other segmentation techniques and an alumnus talk on applying these techniques in medical image analysis. Each participant would be given a certificate at the end of the course. Please report to the Main Building of PESIT-BSC by **8:30am** on Day 1.

Registration form

**Student**

Name………………………………………………………

Course: BE/ MS/ M.Tech. Branch……. Semester………

College……………………………………………………

**PhD Scholar/ Faculty/ Professional**

Name……………………………………………………

Designation……………………………………………

Institution………………………………………………

**Contact details**

Address…………………………………………………

………………………………………………………………

Email…………………………………………………

Contact number………………………………………

**Declaration (for candidates being sponsored)**

Ms./Mr. ………………………………………………… is a member of our institution and has been sponsored/ nominated to attend this workshop.

Signature/ seal of Principal/HOD/ Manager

Enclosed cheque/ DD for Rs……….. Dated…………

Cheque/ DD number: ……………………………………