

**Jaypee University of Engineering  
& Technology, Raghogarh  
Guna (M.P)-473226**

## **REGISTRATION FORM**

**SHORT TERM COURSE  
ON  
DIGITAL SIGNAL AND IMAGE PROCESSING**

**(JULY 05, 2010 - JULY 10, 2010)**

Branch: \_\_\_\_\_

Name: \_\_\_\_\_

Year: \_\_\_\_\_

College/  
University: \_\_\_\_\_

Detail of Registration Fee of Rs. 2000/-only:  
DD No.: \_\_\_\_\_

Date: \_\_\_\_\_ Bank: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Telephone / Mobile:  
(With STD Code) \_\_\_\_\_

Email: \_\_\_\_\_

Age: \_\_\_\_\_ Sex: M / F

Accommodation Reqd.:  YES  NO

### **Advisor**

*Dr. Y. Medury (COO, Education)*

### **Local Advisory Committee**

*Prof N. J. Rao*

*Prof. K. K. Jain*

*Prof. D. S. Hooda*

*Brig. (Rtd.) S. K. S. Negi*

*Prof. Rajiv Saxena*

### **Local Organizing Committee**

*Brig. (Rtd.) S. K. S. Negi (Registrar)*

*Mr. V. C. Pandey (Finance Officer)*

*Prof. Rajiv Saxena (Head, ECE)*

### **Faculty**

*Prof. Rajiv Saxena*

*Prof. B. K. Mohanty*

*Mr. Amit Mishra*

*Mr. Narendra Singh*

*Mr. Satish Kumar Singh*

*Mr. Ashutosh Singh*

*Mr. Ravi Kumar*

*Mr. Hemdutt Joshi*

*Mr. Rahul Pachauri*

*Mr. Deepak Sharma*

*Mr. Gaurav Saxena*

### **Coordinator**

*Prof. Rajiv Saxena*

## **SHORT TERM COURSE**

## **ON DIGITAL SIGNAL & IMAGE PROCESSING**

**(JULY 05, 2010 - JULY 10, 2010)**



**Department of Electronics &  
Communication Engineering**

**JAYPEE UNIVERSITY OF  
ENGINEERING &  
TECHNOLOGY**

A. B. Road Raghogarh, Guna-473 226 (M.P.)  
Telephone: 07544-267051, 267312,  
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Website : [www.jiet.ac.in](http://www.jiet.ac.in)



## About JUET- A Center of Excellence.....

Jaypee University of Engineering & Technology, Raghogarh, Guna is a Private University under Madhya Pradesh Private University Act 2007. Earlier this was known as Jaypee Institute of Engineering and Technology Guna, This is one of the three centers of higher learning in the field of engineering education, established under the Jaiprakash Sewa Sansthan (JSS).

**OBJECTIVE:** The objective of this short term course is to give exposure on the digital signal and image processing techniques. This program deals with the theoretical aspects of signal and image processing applications and provides hands on practical exposure. The participants will be trained to build their own algorithms to implement the signal and image processing techniques using MATLAB.

**TOPICS TO BE COVERED:** Following topics will be covered in this summer school,

1. Signal Processing Techniques
2. Transforms: DFT, FFT & Z.
3. Digital filter design: FIR & IIR.
4. Multi-rate Signal Processing
5. DSP Applications
6. Digital Image Processing and Applications.
7. Multimedia Compression
8. Multimedia Security: Watermarking, Stereography & Cryptography
9. Digital Image Segmentation

**LABORATORY:** Each participant will be required to work on the laboratory using necessary software and hardware tools and device to implement various algorithms.

**DURATION:** 1 Week from, July 5th, 2010– July 10th, 2010.

**MAXIMUM NUMBER OF PARTICIPANTS:** 30  
(ON FIRST COMES FIRST SERVE BASIS)

**ELIGIBILITY: FACULTY/STUDENTS HAVING QUALIFICATION:** B.E / B.Tech / M.E / M.Tech / B.Sc. / M.Sc. / BCA / MCA (Electronics and Communication Engineering / Electronics Engineering / Electronics and Instrumentation Engineering / Electronics and Electronics Engineering / Computer Science Computer Applications / All Related Branches of Engineering and Science). [*Basic knowledge of MATLAB will be preferred*].

**COURSE FEE:** A course fee of Rs. 2000/- only as security deposit, refundable after successful completion of the course. (Only Demand Drafts in favor of JUET Guna, issued by any nationalized banks and payable at Guna, are acceptable). Rs. 500/- will be charged as course material fee and R. 1500/- will be refunded at the end of the course.

**LODGING & BOARDING:** Each participant will be provided lodging and boarding arrangement at the University by the JUET. Participants are required to bring own bed linen.

**LAST DATE FOR APPLICATION:** Completed registration form along with the registration fee has to be submitted before July 2nd, 2010. Selected candidates will be informed through E-mail by 4th of July, 2010..

### Postal Address

Prof. Rajiv Saxena

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Engineering

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