

## Patrons

**Prof. S. C. Saxena,**  
*Vice-Chancellor, JUIT, Wagnaghat*

**Prof. Samir DevGupta,**  
*Director & Academic Head*

**Brig. Balbir Singh (Retd.),**  
*Director (Admn.), JUIT, Wagnaghat*

## Program Chair

**Prof. Sunil Bhooshan**  
HoD, ECE

## Program Convenor

**Meenakshi Sood**  
*Assistant professor*  
*Dept. of ECE*

## Program Co-ordinators

**Pardeep Garg & M Wajid Shamsi**  
*Assistant professor*  
*Dept. of ECE*

## Contact:

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**[mohd.wajid@juit.ac.in](mailto:mohd.wajid@juit.ac.in)**



## Electronics & Communication Engineering Department

The Department offers a four-year undergraduate programme (B. Tech), five-year dual degree programme (integrated B.Tech and M.Tech) and a two-year post-graduate programme (M. Tech) in Electronics and Communication Engineering. The courses offered at both level of studies cover areas related to Signal Processing, VLSI Circuit, Embedded Systems, Microwave Engineering and Communication Systems. Modern laboratories supplement these areas of study. Some students visit universities abroad in the final semester of their degree. The Department also runs an active doctoral programme.

The Department provides research facilities including a library with the latest journals to its faculty members & interested students and encourages them to do research in the upcoming areas. The department also has research collaboration with universities abroad and has joint research projects. Since the inception of the department, faculty members have guided a large number of Doctoral theses and M. Tech Dissertations.

## Registration

Participants can register by sending the duly filled registration form along with registration fee to the following address by Registered post. Fees can be submitted in the form of demand draft in favor of "Jaypee University of Information Technology", payable at Shimla to the following address latest by 8 Jan, 2016.

**Meenakshi Sood**  
**Department of ECE,**  
**Jaypee University of Information Technology**  
**Wagnaghat, Solan, Himachal Pradesh-173234**



## FACULTY DEVELOPMENT PROGRAM

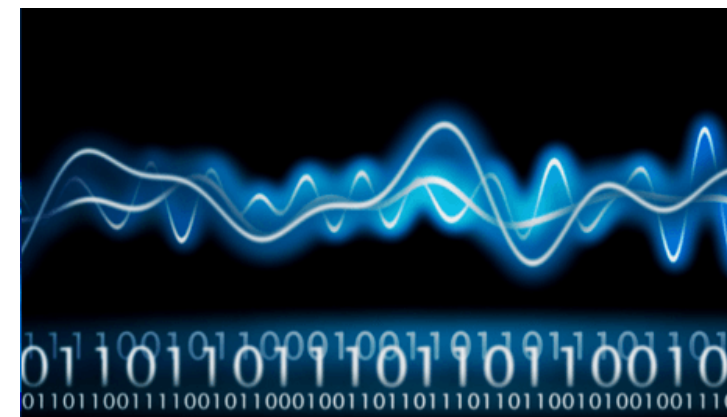
On

**Signal Processing and its Applications**

**13 –18 January, 2016**

## Organized by:

**Dept. of Electronics & Communication Engineering**  
**Jaypee University of Information Technology**  
**Wagnaghat, Solan, HP 173234**  
**[www.juit.ac.in](http://www.juit.ac.in)**



Registration fee for external candidates is Rs. 2500/- per delegate, which includes training fee and day meals. If accommodation is required, Rs. 2500/- per delegate are extra.

## External Resource Persons

**Prof. S. D. Joshi,**



**Electrical Engineering Dept., IIT Delhi**

S.D.Joshi received the B.E.(Hons.) degree in Electrical and Electronics Engineering from Birla Institute of Technology, Pilani, India, and M.Tech degree in Communica-

tions and Radar Engineering and Ph.D. degree, both from Indian Institute of Technology, Delhi. His research interests include development of fast algorithms for stochastic signal processing, speech processing, group theoretical approach to signal processing and image processing.

**Prof. Omar Farooq**



**Electronics Engineering Dept., AMU**

Omar Farooq received his BSc Engineering and MSc Engineering degrees from AMU Aligarh. He was awarded Commonwealth Scholarship from 1999-2002 towards PhD at Loughborough University,

UK and one year UKIERI postdoctoral fellowship in 2007-08. His broad area of research interest is signal processing with specialization in speech recognition and biomedical signal processing.

## Internal Resource Persons

**Prof. Samir DevGupta,** JUIT Waknaghat

**Prof. T. S. Lamba,** JUIT Waknaghat

**Prof. S.V. Bhooshan,** JUIT Waknaghat

**Prof. Ghanshyam Singh,** JUIT Waknaghat

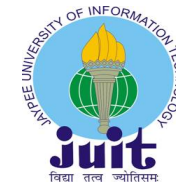
**Dr. Narendra Kumar** JUIT Waknaghat

**M. Wajid Shamsi,** JUIT Waknaghat

## Tentative Schedule

13/01/16 Day 1 (WEDNESDAY)		
10:00 – 11:30 AM	Prof. Omar Farooq	Signal Processing Techniques and Digital Water-marking
03:00 - 04:30 PM	Prof. Omar Farooq	Signal Processing of EMG and EEG signals (mainly seizure detection)
14/01/16 Day 2 (THURSDAY)		
10:00 – 11:30 AM	Prof. Omar Farooq	Brain Computer Communi-cation
03:00 - 04:30 PM	Prof. Ghan-shyam Singh	Application of Signal Proc-essing for milli-meter wave Communication.
15/01/16 Day 3 (FRIDAY)		
10:00 – 11:30 AM	Prof. S. V Bhooshan	Technical Document Preparation using LaTeX for Signal Processing Ap-plications-1
03:00- 04:30 PM	M. Wajid Shamsi	Technical Document Preparation using LaTeX for Signal Processing Ap-plications -2
16/01/16 Day 4 (SATURDAY)		
10:00 – 11:30 AM	Prof. S.D. Joshi	Signal Representation and Decomposition-1
03:00- 04:30 PM	Prof. S.D. Joshi	Signal Representation and Decomposition-2
17/01/16 Day 5 (SUNDAY)		
10:00 – 11:30 AM	Prof. S.D. Joshi	Real-time Scientific Data Signal Processing
18/01/16 Day 6 (MONDAY)		
10:00 – 11:00 AM	Prof. Samir DevGupta	Application of Signal Proc-essing in Satellite Commu-nication
11:30 - 12:30 PM	Prof. T.S. Lamba	Generation of Medical Sig-nals
2:30- 4:30 PM	Prof. Narinder Kumar	Statistical Tools for Signal Processing

## Registration Form



**FACULTY DEVELOPMENT PROGRAM**

*On*

**Signal Processing and its Applications**

**13 –18 January, 2016**

**Last date for registration: 8 January, 2016**

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

Designation: \_\_\_\_\_

Qualification: \_\_\_\_\_

Institution: \_\_\_\_\_

Mobile: \_\_\_\_\_

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

Accommodation needed (Y/N): \_\_\_\_\_

Demand Draft Details: \_\_\_\_\_

**Signature of participant**

Also send the scanned copy of this registration form and demand draft to: **meenakshi.sood@juit.ac.in**