TEQIP Sponsored ONE WEEK
Short Term Course on

Digital Signal and Image Processing

June 22-26, 2018
Registration Form
(may use Xerox or typed copy)

Full Name:_____
Designation:_____
Age and Sex:_____

_____

Highest Qualification:_____
Name of the Institute/College/University:_____

_____

_____

Experience (in years):_____
Address for communication: _____

_____

_____

Tele:_____ Mobile:_____
Email:_____

Accommodation required: Yes/No

Place:_____
Date:_____

_____   _____
Applicant Sign   Sign and Seal of Sponsoring Org.

G.B.PANT INSTITUTE OF ENGINEERING & TECHNOLOGY
GHURDAURI DIST. PAURI- GARHWAL (U.K.)

Govind Ballabh Pant Institute of Engineering & Technology, Pauri (Garhwal) is an Engineering Institute established by the Government of Uttar Pradesh in 1989 for imparting Engineering Education and promoting technological environment of Garhwal region, the state and country. It started its first academic session from 1991-92 with a limited intake. The institute has always been in tune to the practical problems and priorities of present scenario of the world. And as a panacea, it aims at shaping engineers, whose number can be at par with their counter parts anywhere in the country. Our students have gone on to make a mark for themselves in top notch companies in India & abroad, while other have persuaded academics in reputed institutes and Universities in India, America & other countries. Presently, the institute is an Autonomous Institute of the Government of Uttarakhand and affiliated to the Uttarakhand Technical University, Dehradun since academic year 2006-07.

LOCATION AND HOW TO REACH
G.B.P.I.E.T, PAURI

The College is located in hilly terrain of Garhwal Himalayas at an altitude of about1650 meters providing excellent panorama of natural beauty. Pauri is well connected through roads with nearest railway stations such as Dehradun, Nazibabad and Haridwar of Northern Railway. The campus is a sprawling over 169 acres of land with thick green forest. The institute is situated near village Ghurdauri, about 13 Km from Pauri city on Pauri-Devprayag road in district of Pauri-Garhwal. GBPIET Pauri is about 110 km from Rishikesh/Kotdwar and is well connected by roads. The nearest airport is at Jollygrant (Rishikesh). Direct flights from Delhi to Jollygrant are available.

Patron
Dr. M. P. S. Chauhan
Director, GBPIET, Pauri-Garhwal

Convener
Dr. Ashish Negi
Head CSED

Coordinators
Dr. H. S. Bhadauria
Dr. M. K. Panda

Co-Coordinators
Dr. Yashwant Chauhan
Mr. Abhishek Gupta
Mr. Agya Ram Verma
Mr. Vivek Kumar Tamta
Mr. Papendra Kumar

Organized by
Department of Computer Science & Engineering

G. B. PANT INSTITUTE OF ENGINEERING & TECHNOLOGY
GHURDAURI DIST. PAURI- GARHWAL
PIN- 246194 (U.K.)

OBJECTIVE OF COURSE

Today there is almost no area of technical endeavor that is not impacted in some way by digital signal and image processing. Signal processing plays a significant role in the modern telecommunication engineering and information processing systems. It has large number of applications in mobile communication, biomedicine, radar, sonar, decision making systems, robotics, audio processing, weather forecasting, economic forecasting etc. Similarly Digital image processing plays significant role in modern engineering and information processing systems by extracting the meaningful information from digital images. Digital image processing has a broad range of applications such as remote sensing, image and data storage for transmission in business applications, medical imaging, acoustic imaging, forensic sciences and industrial automation. Images acquired by satellites are useful in tracking of earth resources, geographical mapping and prediction of agricultural crops, urban population, weather forecasting, flood and fire control. Space imaging applications include recognition and analyzation of objects contained in images obtained from deep space-probe missions. There are also medical applications such as processing of X-Rays, Ultrasonic scanning, Electron micrographs, Magnetic Resonance Imaging, Nuclear Magnetic Resonance Imaging etc. The Image processing Procedures such as Image enhancement and restoration are used to process degraded or blurred images. Successful applications of image processing concepts are found in astronomy, defense, biology, medical and industrial applications.

This course would bring the people from academia and industry to a common platform to disseminate the specific body of knowledge about the origins of digital signal and image processing and more important about current and future areas of application of these technologies.

RESOURSE PERSONS

Eminent Faculty members and researchers from the premier Institutions such as IITs, NITs and other institutions/University of higher learning are invited to deliver the expert lectures on Digital Signal and Image Processing.

COURSE CONTENTS

Topics of interest include, but are not limited to, the followings:

- Introduction of Digital Signal and Image Processing
- Basics of Transforms
- Genomic & Proteomic Signal Processing
- Design of Filter Bank for sub-band coding
- Biomedical Image Processing
- Signal and Image Processing in Healthcare applications
- ECG Signal Processing
- Deep Learning Application in Image Processing
- Object Detection
- Soft Computing Applications on Signal and Image Processing

ELIGIBILITY & FEE

People from industry, faculty from academic institutions & Universities and Ph.D. / PG students of Computer Science/IT, Electrical, Electronics, etc. are eligible to participate in this short term course. Fooding and lodging will be provided by the College for external participants.

"No payment/honorarium (TA/DA) will be made to any participant. Number of seats is limited and participants will entertain on first come first serve basis."

Note: No FEE will be charged for attending the course.

IMPORTANT DATES

Receipt of registration form: (by post or email)	17/06/2018
Intimation to the selected participants: (By email)	18/06/2018

HOW TO APPLY

Interested persons may register by sending the filled format given herewith to the coordinator by mail or by post.

Address for communication:
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Mobile No. 09412500910
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ABOUT THE DEPARTMENT

The department of Computer Science and Engineering was established in the year 1992, has come out a long way on the frontier lines of software research and development. The department keeps itself in pace with the IT changes and regularly updates its laboratories with the latest computing facilities, licensed software and IT infrastructures to give exposure to the students to the state of the art technologies. Presently, Department offers Bachelor's degree in Computer Science & Engineering with an intake of 60 students. The Department has also started Master's degree program in Computer Science & Engineering in 2010 with intake of 18 students. The PhD program has been offered since 2013 in the various research areas such as mobile computing, digital image processing, ad-hoc networks, etc.