

TEQIP Sponsored ONE WEEK  
Short Term Course on

**Emerging Trends And Technology in  
Internet of Things (IOT) and  
Cloud Computing**

September 10-14, 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 about 1650 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.



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**Patron**

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

**Convener**

Dr. Ashish Negi  
Head CSED

**Coordinators**

Dr. S.K. Verma  
Mr. Ramesh Kumar  
Dr. Bhumika Gupta

**Co-Coordinator**

Dr. Yashwant Chauhan  
Mr. Abhishek Gupta  
Mr. Aswani Kumar  
Mr. Joginder Kumar  
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

The internet of things (IoT) is a current research area. It is a system of interrelated computing devices, digital machines, objects that are provided with unique identifiers (UIDs) and the ability to transfer data over a network or Cloud. The Internet of Things (IoT) has a various technical challenges that need to be addressed, especially in the data transfer and device management issues over the established network infrastructure. The billions of physical devices around the world are now connected to the internet, collecting and sharing data and utilize the existing effective infrastructure like clouds.

Cloud computing is an information technology (IT) paradigm that enables ubiquitous access to shared pools of configurable system resources and higher-level services that can be rapidly provisioned with minimal management effort, often over the Internet. The goal of cloud computing is to allow users to take benefit from all of these technologies without the need for deep knowledge about or expertise. Cloud computing adopts concepts from Service-oriented Architecture (SOA). Cloud computing provides all of its resources as services, and makes use of the well-established standards and best practices gained in the domain of SOA to allow global and easy access to cloud services in a standardized way. The IoT can utilize cloud effectively to facilitate the day to day life of human being. The purposes of this short term course to discuss and have a brain storming session to effectively develop the concepts and technologies to enhance the IoT and cloud computing.

## RESOURCE 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 IOT and Cloud Computing.

## COURSE CONTENTS

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

- Introduction of Internet of Thing (IOT)
- Introduction of Cloud Computing
- Infrastructure as a Service(IaaS)
- Platform and Software as a Service (PaaS/SaaS)
- Application of Cloud Computing
- IOT Frame Work
- Enabling Technologies for IOT
- Frame Work and Architecture for IOT
- Trends and Characteristic of IOT
- Issues in IOT and Cloud Computing

## 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)	04/09/2018
Intimation to the selected participants: (By email)	05/09/2018

## 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:

Dr. S.K.Verma

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09719022323, 08126019360

## 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.

