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 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.

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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-Coordinators
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.

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 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

Dept. of Computer Science & Engineering G.B.Pant Institute of Engineering & Technology

Ghurdauri Dist. Pauri- Garhwal 246194 (U.K.)

Email: **iotstcteqipiii@gmail.com**
Mobile No. 09412972267, 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.