



FACULTY DEVELOPMENT PROGRAM

On

Virtualization & Cloud Computing - Fundamentals & Practical Approach

24 -30 December,2015

Registration Form

Name: _____

Designation: _____

Qualification: _____

Institution: _____

Mobile: _____

Email: _____

Demand Draft Details: _____

Signature of participant:



ABOUT THE INSTITUTE

JUIT commenced academic activities from July 2002 with undergraduate B.Tech. degree programs in Electronics & Communication Engineering, Computer Science & Engineering, Information Technology, Bioinformatics, and Civil Engineering (from July 2003).

The University is offering M.Tech (Electronics & Communication Engineering), M.Tech (Computer Science & Engineering), M.Tech (Applied and Computational Mathematics), M.Tech (Biotechnology), M.Tech (Environmental Engineering), M.Tech (Structural Engineering), M.Tech (Construction Management), M.Tech (Computational Biology) and M.Pharm. The University is offering Ph.D. in Bioinformatics, Biotechnology, Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Humanities & Social Sciences, Mathematics, Pharmacy and Physics & Materials Science.

JUIT Waknaghat offers a challenging academic environment to its students. It aims to instill the habit of life-long learning and therefore, provides a learner-centric rather than a teacher-centric educational process. The system has been designed to provide students the freedom to learn what they want to learn at a pace determined by them. Post-graduate students are encouraged to develop independence in thought and action as well as the ability to develop solutions that tightly fit problem requirements. These students shall acquire the capability to deploy appropriate technology paradigms for given tasks, explore new technology, and lead teams to solve complex problems.



Department of Computer Science & Engineering and Information Technology

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Organized by:

Department of Computer Science & Engineering
Jaypee University of Information Technology

Waknaghat, Solan,

Himachal Pradesh-173234

Phones:01792-239216

FDP Objective

The objective of this workshop is to make faculty members / scholars aware of Cloud Computing concepts and Virtualization in cloud in first phase. In second phase FDP aim's to make members/ scholars aware of simulation tools for cloud computing, i.e. CloudSim toolkit and GridSim tool kit. The workshop will be helpful to nourish their teaching & research work also.

The technical sessions will be delivered by Mr. Mukesh Negi Technical Project Manager, TechMahindra Ltd, Noida (India). He will be delivering sessions on cloud computing and virtualization with hands on approach on Amazon server from 24-26 Dec. 2015. The session on 28 - 30 Dec will be taken by Mr. Punit Gupta on Cloud simulation tools and practical sessions on cloudsim, a tool kit for simulation on cloud computing.

Resource Person



Mr. Punit Gupta is Assistant Professor (Grade-I) in the Department of Information Technology, Jaypee University of Information Technology (JUIT), Wagnaghat, Solan -173215, Himachal Pradesh, India. He received B.Tech. Degree in Computer Science and Engineering from Rajiv Gandhi Pradyogiki Vishwavidyalaya, Madhya Pradesh in 2010. He received M.Tech. Degree in Computer Science and Engineering from Jaypee Institute of Information Technology (Deemed university) in 2012 On "Trust Management in Cloud computing". He is a Gold Medalist in M-Tech and currently perusing PhD from Jaypee University of information Technology. He Joined Jaypee University of Information Technology Wagnaghat on February 2013.

Program

Day 1 Dec 24, 2015

- 10:00-11:30 Industry and cloud, High Level Requirements for Cloud Adoption
03:00-04:30 Virtualization, Scaling VM Deployment in an Open Source Cloud Stack

Day 2 Dec 25, 2015

- 10:00-11:30 Architecting a Persistent and Reliable, High-Performance Storage Support for Scientific Applications on the Cloud
03:00-04:30 Performance Resilient Scheduling for Scientific Workflows in High Performance Computing Systems with Constrained Storage Resources

Day 3 Dec 26, 2015

- 10:00-11:30 Cloud web services, Real-time scientific data stream processing
03:00-04:30 Practical session on Amazon Cloud web services and virtualization

Day 4 Dec 28, 2015

- 10:00-11:30 CloudSim Layered architecture and security issues
03:00-04:30 Scheduling and performance study in CloudSim

Day 5 Dec 29, 2015

- 10:00-11:30 Load balancing
03:00-04:30 Virtual machine Migration and power management

Day 6 Dec 24, 2015

- 10:00-11:30 Simulation Exercise-1
03:00-04:30 Simulation Exercise-12

Organizing Committee

Prof. Dr. S.P.Ghrera, HoD, CSE
Mr. Punit Gupta, Assistant Professor,
M:+91-988220519
Email: punit.gupta@juit.ac.in

Patrons

Prof. (Dr.) S. C. Saxena,
Vice-Chancellor, JUIT, Wagnaghat

Prof. (Dr.) Samir Dev Gupta
Director & Academic Head

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

Convenor

Prof. Dr. Satya Prakash Ghrera, FBCS,
SMIEEE (HOD CSE & IT)

Co-ordinator

Mr. Punit Gupta
Assistant professor
Dept. of CSE

Registration

Participants can register by sending the duly filled registration form along with registration fee of Rs.5000/-which includes accommodation, food and training. 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 10 Dec, 2015.

The Co-ordinator,
Faculty Development Programme,
Punit Gupta
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Jaypee University of Information Technology
Wagnaghat, Solan, Himachal Pradesh-173234