



## PROPOSAL FOR WORKSHOPS

### **Title of the Workshop: Cloud Computing**

**Date:** 20 July, 2011

**Duration:** 1 day for 6 hours

**Venue:** Chitkara University, Punjab, India

**Expected Number of Participants: 40**

### **Objective of the workshop:**

Making the participants aware of Cloud Computing frameworks and guide them to program Applications on Cloud framework. By taking one example cloud framework, a live demo for developing the cloud applications will also be presented.

### **Brief Technical Description of the Workshop:**

Cloud Computing is an emerging computing paradigm envisioned to change all IT landscape facets including technology, business, services and human resources. It is a consumer/delivery model that offers IT capabilities as services, billed based on usage. In Cloud Workshop, we are going to make the audience aware about cloud computing. In this, the early adopters of Cloud Computing technologies will exchange ideas. The workshop will help the participants to answer following questions:

- What are the economic benefits (e.g., for both providers and users) of cloud computing (e.g., for commercial clouds, government clouds)?
- Which are the business models for cloud computing? (PaaS, SaaS, IaaS)
- How performance can be predicted for clouds? (Load balancing, Automated testing, Version control, Scalability)
- Which are the main decision criteria for service selection in clouds environments?
- How to program applications on cloud frameworks? (A Live demo of programming cloud application on Google App Engine and hands on with other frameworks like MS Azure, Salesforce, Amazon EC2)

**Description of past versions of the workshops, including URLs as well as submission and acceptance counts:**

1. Workshop on Grid Computing: Thapar University (Jan 2009), Participant 100
2. Information Security: Hardening, Virtualization, DNS Poisoning and Social Engineering, ISAN2009
3. Workshop on Ethical Hacking: ACM Professional Chapter, Thapar University, Oct 2010
4. Workshop on Sun-Solris: SunGuru program to Faculty members from various institutes in Northern India: March 2008

**Target Audience:**

- Students
- Research Scholars
- Faculty Members
- Corporate Delegates

**Brief Course Contents:**

- Topic 1: Introduction to Cloud Computing.
- Topic 2: Benefits of migrating to Cloud Frameworks.
- Topic 3: Program Application for cloud frameworks.
- Topic 4: Selecting the best cloud framework for you.
- Topic 5: Open Discussion.

**Lecture/Training Schedule:**

Date	Session	Topic	Resource Person
20 July 2011	I II III IV V	Introduction to Cloud Computing.  Benefits of migrating to Cloud Frameworks.  Program Application for cloud frameworks.	Dr. Maninder Singh  Mr. Inderpreet Chopra  Mr. Amit Mendiratta

		Selecting the best cloud framework for you. Open Discussion.	
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### **Details of the Expert Faculty Proposed:**

**Inderpreet Chopra** received his Bachelor's Degree with honours from Kurukshetra University in 2004, and obtained Master's Degree in Software Engineering from Thapar University in year 2006. He is also pursuing PhD in Autonomic Grid Computing from Thapar University. He is presently working as a Senior Consultant with Expicient Inc. and has more than 5 years of experience in IT industry with expertise in design, development, and implementation. His area of interests includes Distributed Computing, Grid Computing, Cloud Computing and Java/J2EE technologies.

**Amit Mendiratta** received his Bachelor's Degree in Computer Science and Engineering in 2003 and Master's Degree in Information Technology from Guru Gobind Singh IP University in year 2007. He is also pursuing his PhD in the area of Data Security in Cloud Computing from Thapar University. He has 5 years of experience in academics and IT industry. His area of interests includes Distributed Computing, Cloud Computing and Network Security.

### **Fee per Participant:**

Delegates from HPAGC: Rs. 300/-

Delegates from outside: Rs.500/-

### **DETAILS OF THE WORKSHOP COORDINATOR**

**Name :** Dr. Maninder Singh

**Affiliation:** Associate Professor & Head

**Web Page/Blog:** <https://sites.google.com/a/thapar.edu/msinghportal/>

**Address:** Computer Science and Engineering Department, Thapar University,  
Patiala

**Phone No:** 9815608309

**E-mail:** msingh@thapar.edu

**Details Of HPAGC Team**

**Name :** Rajni Duggal

**Address :** Chitkara University , Punjab

**Phone No:** 91 9501468080 , 91 9501105658

**E-Mail:** [rajni.duggal@chitkara.edu.in](mailto:rajni.duggal@chitkara.edu.in) , [hpagc2011@chitkara.edu.in](mailto:hpagc2011@chitkara.edu.in)