

TECH MANTRAA



About the Company

We are workshop Management Company located in Pune. We are basically organizing workshops and events for engineering and management colleges. We are working in this field from 2012.

Our main goal behind the workshops is to give deep knowledge about the technical field to the students. We are arranging workshops across all over india. We are growing so fast and soon we are going to start training camps for students on various topics.

Our main focus is on Computer engineering, Electronics and communication, IT and mechanical branch.

Our Vision

TECH MANTRAA is aiming to be the best one stop educational and industrial solution provider and it will achieve this vision in an ethical manner by offering quality of services to clients and fare deal to its customers

Our Belief

We believe in collaboration.

We believe in client satisfaction.

We believe in professionalism and team work.

It shows our respect, truth and integrity to our clients and people.

REGARDS
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Cloud Computing :

(Workshop on CLOUD COMPUTING)

Syllabus of Cloud Computing

In the past, computing tasks such as word processing were not possible without the installation of application software on a user's computer. A user bought a license for each application from a software vendor and obtained the right to install the application on one computer system. Cloud computing differs from the classic client-server model by providing applications from a server that are executed and managed by a client's web browser, with no installed client version of an application required. Centralization gives cloud service providers complete control over the versions of the browser-based applications provided to clients, which removes the need for version upgrades or license management on individual client computing devices.

Topics to be covered in CLOUD COMPUTING Workshop

Day 1 - Bird's eye view of the cloud

o Introduction to the cloud

o What is a cloud? o Where did the cloud come from? History, evolution, etc. o What a cloud is not: Grid, parallel computing, VM, etc. o Characteristics of cloud computing

o What makes a cloud?

o Storage Virtualization o Application virtualization o Server virtualization o Network virtualization

o Hands-on demonstration of cloud computing

o Creating an account on the cloud o Starting a server instance o Allocating storage and other resources o Deploying an application

o Cloud Computing Service Models

o Infrastructure as a Service (IAAS) o Platform as a Service (PAAS) o Software as a Service (SAAS)

o Cloud Computing deployment models

o Public Cloud o Private Cloud o Community Cloud o Hybrid Cloud

o Advantages of cloud computing

o Cost model change (Capex to Opex only) o Reduction in cost of ownership (TCO) o On-demand scalability o Reliability o Shorter Time to Market o Ease of Use o Reduction in operation overheads

o Challenges of cloud computing

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o Security o Data privacy o Performance o Availability

DAY 2 - Deep dive into the cloud(s)

o Cloud providers and their offerings

o Amazon o Microsoft o Google o Salesforce.com

o Amazon Web Services

o Services offered by Amazon o Hands-on Amazon o EC2 - Configuring a server, Launching an instance o S3- Allocating storage buckets, o Creating groups, objects and bucket policies

o Microsoft Windows Azure

o Microsoft Windows Azure architecture o Services offered by Microsoft Azure o Hands-on on Azure o Creating and deploying an application on Azure o Migrating an existing application to Azure o Migrating the application's data to SQL Azure

o Introduction to Force.com from Sales force

o Infrastructure as a service o Database as a service o Integration as a service o Logic as a service o UI as a service o Development as a service

Administering the Cloud

o Server Provisioning

o Capacity planning o How to provision servers in cloud o What type of server do I need? o Best practices

o Providing Security

o VPC (Virtual Private Cloud) o How to ensure security within cloud o Firewall and security groups

o Backup/Recovery of data

o Backups o Backup strategy o Where to save backup o Restore operations

o High Availability - HA

o How to ensure availability o Provisioning across zones (Physical data-centers for availability) o Elastic IPs for high availability

o Server monitoring and Performance monitoring

o Monitoring needed in the cloud o Monitoring tools availability o Performance monitoring o Tweaks to improve performance and availability

Duration

The duration of this workshop will be two consecutive days, with eight hour session each day in a total of sixteen hours properly divided into theory and hands on sessions.

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Certification

A 'Certificate of Merit' by Tech Mantraa to all Participants of this workshop.

Eligibility

It's a basic level workshop so there are no prerequisites. Anyone interested, can join this workshop.

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