

CLOUD COMPUTING JULY AGENDA

S.NO	MODULE NAME	DATE & TIME
	INDUCTION SESSION	"05/07/2024 Note: Class time & Link will be sent to you on 4th"
1	Cloud computing overview, Introduction,Architecture of Cloud Computing.	13/07/2024 7:00 PM- 8:00 PM
2	Cloud Computing Advantages & Disadvantages, characteristics, Cloud computing Applications	
3	Cloud Computing Architecture : Deployment Models (Public, Private, Hybrid, Community)	
4	Cloud Computing Service Models(IAAS, PAAS, SAAS) Service Providers	20/07/2024 7:00 PM- 8:00 PM
5	Cloud Computing: Virtualization and Types of Virtualization	
6	Hypervisors and Types of Hypervisors (Choosing the right type of Hypervisor)	
7	Service Level Agreements, Web service SLA, SLA Requirements, Metrics for Monitoring and Auditing	27/07/2024 7:00 PM- 8:00 PM
8	Cloud Security and Measures to be taken to secure the cloud-Detailed Discussion	
9	Cloud Migration,Migration startegy and benfits of Migration	
10	Introduction to Service Providers(Platforms Introduction)	03/08/2024 7:00 PM- 8:00 PM
11	Exploring Azure Compute Services(Azure Virtual Machines,Azure Virtual Machine Scale Sets,Azure Kubernetes Service,Azure Service Fabric,Azure Batch,Azure Container Instances,Azure Functions)	
12	"Azure Networking services(Azure Virtual Network,Azure Load Balancer,Azure DNS etc)"	
13	Azure Blob Storage,File Storage,Queue Storage,Table Storage	10/08/2024 7:00 PM- 8:00 PM
14	Exploring Azure Databases services(Azure Cosmos DB,SQL DB,Azure Database for MySQL	
15	Azure Web services(Azure App services,Azure Notifications Hubs,Azure API Management etc	
16	Azure IOT Services -IOT Central,Azure IOT HUB,IOT Edge etc	

17	Exploring Azure Big Data Services-Azure Databricks,Azure HDInsight,Azure Synapse Analytics	17/08/2024 7:00 PM- 8:00 PM
18	Introduction to AWS Cloud computing ,Why AWS,AWS regions ,Availability Zones and free tier Account and setup.	
19	IAM-(Users,Groups,policies,AWS Access Keys,Cloud shell ,Region Availability,)IAM Roles ,Iam Security Tools-Hands on	24/08/2024 7:00 PM- 8:00 PM
20	Exploring EC2 instances,EC2 Basics,SSH overview,Instance Connect,Shared Responsibility Model for EC2 instance,EC2 Summary-Hands on	
21	Introduction to AWS Key Management Serviceand implementing the same with proper examples	
22	Introduction to Amazon Elastic search Service.	31/08/2024 7:00 PM- 8:00 PM
23	Introduction to Amazon Dynamo DB.	
24	Introduction to AWS Internet-of-Things (IoT) and exploring all the useful services of IOT	