

CLOUD COMPUTING

Understanding Cloud Computing Environment and Platforms		
S. No	Course Outline	Duration in Hrs
1	Introduction and characteristics of Cloud	4
1.1	Introduction to Cloud computing	
1.2	Introduction to IaaS, PaaS and SaaS	
1.3	Cloud Services available	
1.4	Differentiate between different Models of cloud	
2	Cloud computing and Business Value	4
2.1	Evaluate Business Solution for Cloud	
2.2	Identify types of Business to be migrate on Cloud	
2.3	Impact of cloud on CAPEX and OPEX for a business	
3	Technical Perspective/Cloud Types	4
3.1	Network and Network Pool in Cloud	
3.2	Storage and type of storage in public and private the cloud	
3.3	Understanding Compute	
4	Security benefits of cloud computing	4
4.1	Security and the benefits of scale	
4.2	Security as a market differentiator	
4.3	Standardised interfaces for managed security services	
4.4	Rapid, smart scaling of resources	
4.5	Audit and evidence-gathering	
4.6	More timely and effective and efficient updates and defaults	
4.7	Audit and SLAs force better risk management	
4.8	Benefits of resource concentration	
5	Risks	4
5.1	Policy and organizational risks	
5.2	Technical risks	
5.3	Legal risks	
5.4	Risks not specific to the cloud	
6	Recommendations and key messages	4
6.1	Information assurance framework	
6.2	Information assurance requirements	
6.3	Research recommendations	