

Syllabus		
Unit No	Contents	Mapped CO
I	What Is Cloud Computing: Cloud Computing Defined, The SPI Framework for Cloud Computing, Relevant Technologies in Cloud Computing, The Traditional Software Model, The Cloud Services Delivery Model, Cloud Deployment Models, Key Drivers to Adopting the Cloud, The Impact of Cloud Computing on Users, Governance in the Cloud, Barriers to Cloud Computing Adoption in the Enterprise.	CO1
II	Infrastructure Security: Infrastructure Security: The Network Level, Infrastructure Security: The Host Level, Infrastructure Security: The Application Level Data Security and Storage: Aspects of Data Security, Data Security Mitigation, Provider Data and Its Security	CO1 CO2
III	Identity and Access Management: Trust Boundaries and IAM, Why IAM?, IAM Challenges, IAM Definitions, IAM Architecture and Practice, Getting Ready for the Cloud, Relevant IAM Standards and Protocols for Cloud Services, IAM Practices in the Cloud, Cloud Authorization Management, Cloud Service Provider IAM Practice	CO1 CO3
IV	Security Management in the Cloud: Security Management Standards, Security Management in the Cloud Availability Management, SaaS Availability Management PaaS Availability Management, IaaS Availability Management, Access Control, Security Vulnerability, Patch, and Configuration Management	CO1 CO2
V	Privacy : What Is Privacy, What Is the Data Life Cycle, What Are the Key Privacy Concerns in the Cloud, Who Is Responsible for Protecting Privacy, Changes to Privacy Risk Management and Compliance in Relation to Cloud Computing, Legal and Regulatory Implications, U.S. Laws and Regulations, International Laws and Regulations	CO1 CO4

Learning Resources
Text Books
1. Tim Mather, Subra Kumara swamy, Shahed Latif, "Cloud Security and Privacy: An Enterprise Perspective on Risks and Compliance" O'ReillyMedia; 1 edition [ISBN:0596802765], 2009
References
1. Ronald L. Krutz, Russell Dean Vines, "Cloud Security" [ISBN:0470589876], 2010. 2. John Rittinghouse, James Ransome, "Cloud Computing" CRC Press; 1 edition [ISBN:1439806802], 2009. 3. J.R. ("Vic") Winkler, "Securing the Cloud" Syngress [ISBN:1597495921] 2011 1st Edition, Kindle Edition
E- Resources and other Digital Material