

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E. Computer Engineering (IT Systems and Network Security) Semester: II

Subject Name: **Security Standards and Audit (Elective III & IV- Group 2)**
Subject Code: **725107**

Course Content:

Procedures and security Policies, Risk assessment methodologies, Risk management, DRP/BCP- Business impact analysis, Asset classification, process level strategy, information classification organization, Crisis management plan, Resources recovery strategy, Framework, audits benchmarks, compliance, communications, Data protection for system designers, Evaluation criteria and security testing, International standards, Analysis and Logging, Recovery and data backs, Security policy development, Security Models, Frameworks, Standards, Security Certification ISO 17799/ ISO 27001, System Security Engineering Capacity Maturity Model, Laws and Legal Framework for Information Security, Recovery and risk analysis, Operating system and application specific auditing.

Text Book:

1. IT Auditing: Using Controls to protect Information Assets, Chris Davis/TMH