



**Faculty of Computer Studies (FoCS)**  
**Sub Committee for Curriculum Development**

**Format to submit syllabus**

**Course Name:** System Audit

**(UG/PG):** PG

**Number of Credits:** 2

**Level:** 3

**Learning Objective(s):** Understand system audit functions and its necessity  
Able to know the purpose of controls in information systems.  
To address basic issues in system audit

**Pedagogy:**

Lecture and class discussions  
Use of Case Studies  
White paper oriented learning.

**Pre-learning:**

Software Engineering, Management Information System

**Course Outline:**

Sr.No	Topics	Hour.
1	Overview Information System Audit and IT governances policies. Ways to conduct IS audit	3
2	Management control Framework: Evaluating the Controlling Function, Systems Development Management Controls, Approaches to Auditing Systems Development, Security Management Controls, Operations management Controls Quality assurance Management Controls.	10
3	The Application Control Framework-II: Processing Controls, Database Controls, output Controls.	4
4	Audit softwares, audit and assessment guideline and differences	2
5	Auditing Technique:Code Review, Test Data, and Code Comparison, interviews, Questionnaires ,and Control Flowcharts. Performance Management tools.	6
6	Information Systems Auditing Standards, guidelines, best practices	5
	<b>Total</b>	<b>30</b>

**Books Suggested:**

1. M.Revathy Sriram, Systems Audit, TMH, New Delhi, 2001.
2. Ron Weber, Information Systems Control and Audit, Pearson Education,2002.
3. Richard E. Cascarino, Auditor's Guide to Information Systems Auditing, Wiley, 2007

**Suggested Evaluation Methods:**

Quizzes  
Case study  
Presentation  
Tests

**Parallel/Similar courses the existing curriculum:**

S.No.	Name of the course	Institute where it was offered

Name of Member	Mr. Shrikant Mapari				
Designation	Asst. Prof				
Org. / Inst.	SICSR				
Signature					

Name of the Expert:

Signature:

Date: