

Course Name : System integration & Architecture

Course code :IT-01705

**Course outline:**

Introduction to course ;System Integration &architecture  
Zachman Framework for Enterprise Architecture  
Traditional Approaches to System Development & Enterprise Engineering  
Balanced Score Card & Strategy Maps  
BSC & SM Implemented Examples by MANAGEMENT CENTER (Discussion)  
Business Continuity Planing  
Strategy Analysis & Steps in Business Planing  
Step by Step Approach for Governance Analysis and GA Framework  
Evolution of System Development Methodologies and Strategies for EA Implementation  
Business Driven Data Mapping for Integrated Data  
Strategic Alignment Matrices and Activity Modeling Concepts  
Business Normalization & types  
Menu, Screen designs and Performance Analysis  
Web Services for Real Time Integration  
Managing and Delivering Enterprise Architecture

**Recommended Text Book:**

1. **Enterprise Architecture for Integration:** Rapid Delivery Methods and Technologies by Clive Finkelstein, Artech House Print on Demand; 1st Edition (March 31, 2006). ISBN-10: 1580537138
2. **Systems Integration** (Systems Engineering) by Jeffrey Grady, CRC-Press; 1st Edition (September 30, 1994). ISBN-10: 0849378311
3. **The Business of Systems Integration** by Andrea Prencipe, Andrew Davies, Mike Hobday. Oxford University Press, USA (June 30, 2005). ISBN -10: 019926323X
4. **Enterprise Integration: An Architecture for Enterprise Application and Systems Integration** by Fred A. Cummins, Wiley; 1 st Edition (February 14, 2002). ISBN-10: 0471400106.