

**SSN COLLEGE OF ENGINEERING
KALAVAKKAM- 603110
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

COURSE PLAN

Course Handler : Dr. R. Kanchana
Subject Code & Name: IT6801-Service Oriented Architecture
Batch : 2013 - 2017
Class : **BE (CSE) VII Semester 'A'**

Content Delivery Methods : **Powerpoint presentations \ Use of ICT \ Chalk and Blackboard for all lectures**
Demonstration during 5 class hours

Unit No. & Name	Topics	CDM	Hours Plan- ned	Hours Handled	Reasons for Deviation
I INTRODUCTION TO XML	XML document structure		1		
	Well formed and valid documents		1		
	Namespaces in XML		1		
	Validating XML with DTD	Demo	2		
	Creating XML Schemas	Demo	2		
	X-Files		2		
	Planned Hours		9		
II BUILDING XML- BASED APPLICATIONS	Parsing XML – using DOM		2		
	Parsing XML – using SAX		2		
	XML Transformation and XSL		2		
	XSL Formatting		2		
	Modeling Databases in XML	Demo	2		
	Planned Hours		9		
III SERVICE	Characteristics of SOA		2		
	Comparing SOA with Client-Server and Distributed architectures		2		

ORIENTED ARCHITECTURE	Benefits of SOA		1		
	Principles of Service orientation		2		
	Service layers		2		
	Planned Hours		9		
IV WEB SERVICES	WSDL Basics, Service descriptions – WSDL		2		
	SOAP basics, Messaging with SOAP		2		
	Service discovery – UDDI, Message Exchange Patterns		1		
	Orchestration		1		
	Choreography		1		
	WS Transactions		1		
	Developing Web Services	Demo	1		
	Planned Hours		9		
V BUILDING SOA- BASED APPLICATIONS	Service Oriented Analysis and Design		1		
	Design standards and composition guidelines		2		
	WS-BPEL	Demo	2		
	WS-Coordination		1		
	WS-Policy		1		
	WS-Security		1		
	SOA support in J2EE		1		
	Planned Hours		9		
	Assignment & Discussion		3		

Total Number of Syllabus Hours : 45

Total Number of Planned Hours : 48

(R. KANCHANA)

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Approved by
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