Appendix -3: Object Oriented Analysis & Design

ITE301	OBJECT OF DESIGN	RIENTED ANALYSIS AND	LTPC	3	0	0	3
Version No.	1.0		ı		Į.		
Aim	To learn and apply object oriented way of Analysis and Design of Software						
Prerequisite	ITE201						
Objectives	• To kn	ow the elements of object oriented	program	ming			
,	To learn UML representation diagrams						
	To use the Unified Process Model for Analysis of software						
	development phase						
	To use the Unified Process Model for Design of software development						
	phase		0				-
Outcomes	Learning object oriented analysis and design methodology						
	Applying the OOAD in software development						
Unit 1	Introduction						Hrs
1 ,		nposing Complexity - Elements of Unified Process – Intro to UML a	•		_		,
Unit 2	,						Hrs
Diagrama Class Diagram		ition Diagrams, Object Diagrams, 1	ntomactic	n Di-	0.40.5	.c. 1./F	odule
		Diagrams, Activity Diagrams, Coll					
		analysis and Design Components	aboration	Diag	grains	, (an	17
Unit 3	O-O Analysi	s				9	Hrs
Elements of Analysis B	<u>-</u>	Workflow – Analysis Workflow - M	[apping o	f Fla	ment	s ont	0
		grams for Analysis – Iterations – Ca		LILICI	ilciic	5 0110	O
Unit 4	O-O Design		ise Study			9	Hrs
Flements of Design – ()	-O Design Wa	orkflow – Mapping of Elements on	to Phases	of I I	nified	1 Pro	ress _
UML Diagrams for Desi			io i mases	01 0	1111100	1110	
Unit 5		t and Planning				9	Hrs
Benefits and Risks of Oh		Development – Macro and Micro	Process D	evelo	nme	nt _	
	,	elease Management – Reuse, Qualit			-		_
Documentation and Too	0	nease management nease, Quant	y 1100 a1a 11	cc ar	ici Ivic	circo	
Text Books:							
	Object Oriente	d Analysis and Design with Applica	ation", Ac	ddiso	n We	sley,	2008
•	,	and Patterns", Pearson Education				3 -	
	<u> 1991/118</u> 01111	and ratterns, rearson Education	, <u>2002</u> Of				
Reference Books:	<u> </u>	and ratterns, rearson Education	, 2002 01				
1. Scott W. Ambler	and L.L. Cons	stantine, "The Unified Process" (4	Parts), CM	IP Bo)
 Scott W. Ambler I. Jacobson et al, 	and L.L. Cons	stantine, "The Unified Process" (4 I Software Development Process", A	Parts), CN Addison V	IP Bo Vesley)
 Scott W. Ambler I. Jacobson et al, Ali Bahrami, "Ol 	and L.L. Cons "The Unified oject Oriented	stantine, "The Unified Process" (4 I Software Development Process", A Systems Development", McGraw-	Parts), CN Addison V Hill, 1999	IP Bo Wesley	y , 200	00	
 Scott W. Ambler I. Jacobson et al, Ali Bahrami, "Ol Schach and Stepl 	and L.L. Cons "The Unified oject Oriented hen R., "An Ir	stantine, "The Unified Process" (4 I Software Development Process", A Systems Development", McGraw- ntroduction to Object-Oriented Sys	Parts), CN Addison V Hill, 1999	IP Bo Wesley	y , 200	00	
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