SWE2008		Android Programming		L	T	Р	J	С	
				3	0	0	4	4	
Pre-requisite		SWE1007			Syllabus version				
				v. 1.0					
Course Obje									
		earn the fundamentals of Android OS Architectu							
		inderstand mobile application development pro		-		.,			
	3. To c	omprehend the steps of App design, test, and de	eployment using	Andro	oid SD	K			
Evported Co	virco Ou	trama							
Expected Co		erstand the Android platform, its Architecture a	nd working envi	ronme	nt				
		n the Anatomy of an Android app and its core co	_	Omne					
		gn creative user interfaces for Android app.	omponents.						
		earn various storage options in Android to store	various types of	user c	data.				
		ly the software development life cycle to Androi		0.00.					
		an Android app and publish it in the play store							
		e real-life problems using android programming							
		erstand industry best practices for mobile app d	evelopment						
Module:2	Andro an Andr Resource		(5 hours					
Module:3		id User Interface Design Essentials:		hour					
User Interfa Fragments,		ing Blocks, Designing with Layouts, Partitioning t ng Dialogs	he User Interfac	e with					
Module:4		id Application Design Essentials		hour	•				
Android Pre	terences	s, Files and Directories, Content Providers, Desig	ning Compatible	Applic	cation	S			
Module:5	Coffu	ovo Mothodolomi		haum					
		ware Methodology ent Process, Choosing Software Methodology, Gathering requirements and							
		iguration Management, Designing and developing							
		ng mobile applications, Supporting and maintain							
Module:6	Testin	g and Publishing	į	hour	S				
Testing Mob	ile Appl	ications, Android Application Testing Fundamen	tals, Publishing A	Androi	d				
				-	-				
Module:7	Andro	id Applications	(5 hour	S				

Location and Mapping, Drawing 2D and 3D Graphics, Inter Process Communication, Simple

Phone Calls.

Module:8		Contemporary issues: Applications of Android Programming in industry		2 hours						
•		Total Lectu	re hours	5:	45 hours					
Tex	t Book	<u> </u>								
1.		h Annuzzi, Jr., Lauren Darcey, Shane Conder, "Introduction to Android Application opment", Create Space Independent Publishing Platform, Fourth Edition, 2014.								
Ref	erence B	ooks								
1.	Wei-M	Wei-Meng Lee, Beginning Android 4 Application Development, Wrox, 2012								
2.	Budi Ku	Budi Kurniawan. Introduction to Android Application Development, 2014								
3.	Dawn Griffiths, Head First Android Development, O'reilly, 2015									
4.	Rajiv Ramnath, Roger Crawfis, and Paolo Sivilotti, Android SDK 3 for Dummies, Wiley, 2011									
	Rick R	Rick Rogers, John Lombardo, Zigurd Mednicks and Blake Meike, " Android Application								
5.	Develo	pment " , First Edition, 2009.								
	Recom	mended by Board of Studies 12	.06.2015	5						