

Course Plan - Android Development			
Time	Topics	Resource Person	
Day 1 18/11/2019 Monday	10 am - 11.30 am	Introduction: Android OS , Android Versions (Till Date), Android Architecture	
	Tea Break		
	11.40 am - 1 pm	Building your first App: Installing & Configuring the Dev Environment Installing JDK Installing Android Studio (includes Android SDK) Downloading offline Gradle Dependencies	
	Lunch Break		
	2 pm - 3.15 pm	Creating an Android Project: With no Activity (Empty Project) With predefined Activities From existing projects From Version Control Running your App: On Emulator Creating an Android Virtual Device (AVD) On Real Device Android Debug Bridge (ADB) Enabling Developer Mode and USB Debugging (on a Mobile Device)	
	Tea Break		
	3.30 pm - 5.30 pm	App Fundamentals: App Components Activities Services Broadcast Receivers Content Providers Manifest File App Requirements App Resources	

Day2 19/11/2019 Tuesday	10 am - 11.30 am	App Manifest File: Introduction to the most needed XML Tags App Permissions: Request App Permissions Inbuilt Permissions Custom Permissions App Resources: Animations Colors Drawables Layouts Menus MipMaps Strings Styles Fonts	Renu S
	Tea Break		
	11.40 am - 1 pm	Device Compatibility: Different Screen Sizes Different Pixel Densities	
	Lunch Break		
	2 pm - 3.15 pm	Different Languages & Culture Different Platform Versions	
Tea Break			
	3.30 pm - 5.30 pm	Activities Activity Lifecycle	
Day 3 20/11/2019 Wednesday	10 am - 11.30 am	Tasks & Back Stacks	
	Tea Break		
	11.40 am - 1 pm	Parcelables & Bundles	
	Lunch Break		
	2 pm - 3.15 pm	Fragments Interact with other Apps	
Tea Break			
	3.30 pm - 5.30 pm	Architecture Components - Introduction	
Day 4 25/11/19 Monday	10 am - 11.30 am	Architecture Components	
	Tea Break		
	11.40 am - 1 pm	Architecture Components	
	Lunch Break		
	2 pm - 3.15 pm	Architecture Components	
Tea Break			
	3.30 pm - 5.30 pm	Navigation Intent and Intent Filters	

Day 5 26/11/19 Tuesday	10 am - 11.30 am	User Interface: Layouts Constraint Layout Card Layout Frame Layout Linear Layout Relative Layout	
	Tea Break		
	11.40 am - 1 pm	UI Components Material Design Text/Label Button Checkbox Radio Button Toggle Button Spinner Picker Tooltip	
	Lunch Break		
	2 pm - 3.15 pm	ArchNotifications App Bar	
Tea Break			
	3.30 pm - 5.30 pm	Swipe-to-Refresh Toasts Pop-up Messages Dialogs Menus Settings	
Day 6 27/10/19 Wednesday	10 am - 11.30 am	Animations & Transitions	
	Tea Break		
	11.40 am - 1 pm	Images & Graphics	
	Lunch Break		
	2 pm - 3.15 pm	Audio & Video	
Tea Break			
	3.30 pm - 5.30 pm	Background Tasks	
Day 7 2/12/19 Monday	10 am - 11.30 am	App Data & Files: App Install Location	
	Tea Break		
	11.40 am - 1 pm	Save files on Device Storage On Internal Storage On External Storage	
	Lunch Break		
	2 pm - 3.15 pm	Saved data as Key-Value Pairs in Preferences/Shared Preferences	
Tea Break			
	3.30 pm - 5.30 pm	Save data in Local Database Using SQLite Using Room	
Day 8 3/12/19 Tuesday	10 am - 11.30 am	Camera: Camera API	
	Tea Break		
	11.40 am - 1 pm	Taking photos	
	Lunch Break		
	2 pm - 3.15 pm	Recordings Videos	
Tea Break			
	3.30 pm - 5.30 pm	User Location: Adding and working with Maps	
Day 9 4/12/19 Wednesday	10 am - 11.30 am	Working with Web Services	
	Tea Break		
	11.40 am - 1 pm	Using Retrofit	
Lunch Break			

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Wednesday	2 pm - 3.15 pm	Using Volley	
	Tea Break		
	3.30 pm - 5.30 pm	Using Volley continues	
Day 10 09/12/19 Monday	10 am - 11.30 am	PROJECT PRESENTATION	
	Tea Break		
	11.40 am - 1 pm	PROJECT PRESENTATION	
	Lunch Break		
	2 pm - 3.15 pm	PROJECT PRESENTATION	
	Tea Break		
Day 11 10/12/19 Tuesday	3.30 pm - 5.30 pm	PROJECT PRESENTATION	
	10 am - 11.30 am	PROJECT PRESENTATION	
	Tea Break		
	11.40 am - 1 pm	PROJECT PRESENTATION	
	Lunch Break		
	2 pm - 3.15 pm	PROJECT PRESENTATION	
Tea Break			
	3.30 pm - 5.30 pm	PROJECT PRESENTATION	