



CENTRE FOR ADVANCED STUDIES

DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY



5-Days Online Workshop on Android App Development

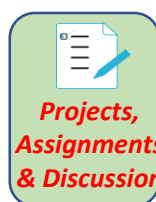
Scheduled 7th – 8th April 2022



Highlights



Course
Completion
Certificate



Projects,
Assignments
& Discussion



Experts led
Training



20+ hours
Online
training



Free Registration – Limited seats
Last Date of Registration: 26th March, 2022

Registration Link:

<https://cas.res.in/workshopreg.html>



Coordinator

Dr. Anamika Jain

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Co-Coordinator

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Contents

- ✓ Get Familiar with Android
- ✓ Introductions of the versions in Android and building blocks
- ✓ Introduction to the File system of Android
- ✓ Android App Architecture and UI design
- ✓ Connecting to Internet & RecyclerView
- ✓ App Design

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5-Days Online Workshop on Android App Development

SCHEDULE

Day	Session	
	Forenoon	Afternoon
Day 1	Introduction to Android: Openness, Market growth, Opportunity, How it all got started, Potential & Future, Why Android is different (and important)	Hands-on Session 1- Installation of programming software, Platforms and tools.
Day 2	Introductions of the versions in Android and building blocks Overview of the Android stack, Basic building blocks of Android App, Activities, Activity lifecycle, Intents, Services, Content Providers, Broadcast Receivers	Hands-on Session 2- Android Stack, Overview of the stack, Linux kernel, Native libraries, Dalvik, App framework
Day 3	Introduction to the File system of Android File System, Security Model	Hands-on Session 3- Hello World App, Creating your first project, The manifest file, Layout resource, Running your app on Emulator
Day 4	Hands-on Session 4- Linear Layout, Relative Layout, Table Layout, Grid Layout, XML versus Java UI, Dip's and Sip's, Views and layouts, Common UI components, Handling user events	Hands-on Session 5- File System, Preferences, Notifications, Security model
Day 5	Hands-on Session 6- Selection components, Adapters, Complex UI components, Building UI for performance, Menus and Dialogs, Graphics & Animations	Hands-on Session 7- Development of Android App