



ANDROID DEVELOPMENT



Digital Lync
ACADEMY
INNOVATION - EDUCATION - INCUBATION

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Android Curriculum

Part-1(for 1 week)

Introduction Class(1 hour)

- 1. About Android and Android Studio
- 2. Devices and Emulators
- 3. Versions
- 4. Android SDK
- 5. Android Play Store

Java(4 hours)

- 1. Comments, Data Types, Variables and Constants
- 2. Operators, Conditional Statements, Loops
- 3. Functions, Classes and Objects
- 4. Strings, Numbers, Arrays, Collections
- 5. OOPs Concepts

Android Studio(1 hour)

- 1. Android Studio IDE
- 2. File Structure
- 3. Emulators

Part-2(10 days)

Layouts and Views(2 hours)

- 1. Layouts
- 2. Views
- 3. Fragments
- 4. Activities
- 5. String files

UI Elements(6 hours)

- 1. Text View
- 2. Edit Text
- 3. AutocompletetextView
- 4. Button
- 5. Image Button
- 6. Toast
- 7. Alert Dialog
- 8. Check Box
- 9. Toggle Button
- 10. Radio Button
- 11. Radio Group
- 12. Progress Bar
- 13. Spinner
- 14. Time Picker
- 15. Date Picker
- 16. Image View
- 17. Web View
- 18. Menus

Activities and Intents(1 hour)

- 1. Activity Life Cycle
- 2. Intents
- 3. Start Activity for Result

Device Orientations(1 hour)

- 1. Orientations
- 2. Device Screens



Part-3(1 week)

List and Tables(1 hour)

- 1. List Views
- 2. Grid Views

Data Storage(3 hours)

- 1. Shared Preferences
- 2. Internal Storage
- 3. External Storage
- 4. SQLite Database

Core Services(1 hour)

- 1. Sending Email
- 2. Sending SMS
- 3. Phone Call

Camera and Audio(1 hour)

- 1. Camera
- 2. Audio record

Part-4(8 days)

- XML and JSON Parsing & Web Services Integration(3 hours)
- Audio & Video(1 hour)
- Android Services(1 hour)
- Maps and Annotations(1 hour)
- Android Widgets & Local Notifications and Push Notifications(1 hour)
- Deploying App into Play Store.(1 hour)

"WHERE INNOVATION
MEETS TECHNOLOGY"



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