

Android Syllabus

Course: Basics JAVA-SQL / Android / SQLite / Google Play Store / Live Project

<p style="text-align: center;">➤ Basics Of JAVA & SQL Database</p> <ul style="list-style-type: none"> • OOPS • Java development Environment <ul style="list-style-type: none"> - Eclipse Development Toolkit - Installation • Basics of JAVA <ul style="list-style-type: none"> - JVM/JDK - Data Types/Operators/Classes/Objects • Basics of XML & Parsing of Data • SQL Database & Transect SQL 	<p style="text-align: center;">➤ More Handy With Android Environment Events/Toast/Menu/Dialog/List/Adapters</p> <ul style="list-style-type: none"> • Details of Intents (Explicit/Implicit) • Switching between Activities/Passing Data between Layouts or Activities • Events of Various UI Components • Various Types of Menu (Option Menu/Context Menu/SubMenu/Menu From XML/Menu Via Code) • Pop Ups/Alerts/Confirm boxes/Toasts/DateTime/Lists/Adaptor • Introduction of TAB Views • Applying Styles & Themes • Advance Android Programming with uses of (Web Services/Threads/AsyncTask/Handlers/Runnable)
<p style="text-align: center;">➤ Introduction of Android</p> <ul style="list-style-type: none"> • History of Android <ul style="list-style-type: none"> - APIs/Various Releases - Google Play Store/Market Analysis - Usages/Current Demand of Android • Basics of Development Framework • Emulator/DVM/.Apk Introduction • Project Directory structure and Usages • Fundamentals of Android Objects <ul style="list-style-type: none"> - User Permission - Basics of Activities - Services/Views/ - Various XML Files of Project - Manifest.XML/R.Java/Resources - Layouts/Drawable Resources • My First Program /Application 	<p style="text-align: center;">➤ Developing Own Application Installation</p> <ul style="list-style-type: none"> • Creating Own App • Generating .APK & Installation • Deployment in Google play Store
<p style="text-align: center;">➤ Details of Activities</p> <ul style="list-style-type: none"> • Activity Lifecycle • Activity Classes 	<p style="text-align: center;">➤ Advance Android Application Development : Web Services/Live Folders/XML Parsing/JSON/Maps</p> <ul style="list-style-type: none"> • Details of Web Services • Introduction of Live Folders/XML Parsing/JSON • Linking With Google services (Maps/GPS/Temperature/Pathfinder) • Accessing Phone services (Call/SMS/MMS/Media/SD Cards) • Using Camera (Front End/Back End) • Text To Speech • Various Network Components (Bluetooth/WiFi) • 2D/3D Views of Objects
<p style="text-align: center;">➤ User Interfaces/UI Objects</p> <ul style="list-style-type: none"> • Layouts/Views • Properties of UI tags • GUI XML Components (Buttons/Text/Toggle) • Playing With Images (Dip/dp/Sip/Sp/PX) 	<p style="text-align: center;">➤ Live Project</p> <ul style="list-style-type: none"> • Project Definition • SRS & Documentation • GUI & Database Design • Coding with Industry Standards
<p style="text-align: center;">➤ SQLite Database</p> <ul style="list-style-type: none"> • Basics of SQLite DB • Various Data Types • SQLite Queries • SQLite Connections • Adding/Updating/Deleting Contents of SQLite 	