



## **Course: Diploma In Game Application Development**

**Fee:** Rs.49500

**Duration:** 6mont

**Syllabus:-**

### **This course teaches:**

- ✓ **Fundamentals of Mobile App Development** (Android & iOS)
- ✓ **Programming Languages** (Java, Kotlin, Swift, Flutter, React Native)
- ✓ **UI/UX Design Principles**
- ✓ **Database & Backend Integration**
- ✓ **APIs & Cloud Services**
- ✓ **Testing & Deployment on Play Store/App Store**

### **Detailed Syllabus**

#### **📁 Module 1: Introduction to Mobile App Development**

- Overview of mobile platforms (Android vs. iOS)
- Native vs. Hybrid App Development
- Development tools & IDEs (Android Studio, Xcode, VS Code)

#### **📁 Module 2: Programming Languages & Frameworks**

- **Android:** Java, Kotlin
- **iOS:** Swift
- **Cross-Platform:** Flutter, React Native
- Dart & JavaScript basics (for Flutter & React Native)

#### **📁 Module 3: UI/UX Design for Mobile Apps**

- Material Design (Android) & Human Interface Guidelines (iOS)
- Creating responsive layouts
- Navigation & user interactions
- Prototyping with Figma/Adobe XD

#### **📁 Module 4: Mobile App Architecture & Development**

- Activities, Fragments, and ViewModels (Android)
- Storyboards & SwiftUI (iOS)
- State Management (Provider, Redux, Riverpod)
- Handling user input & gestures

### 📁 **Module 5: Working with Databases & APIs**

- Firebase (Realtime Database & Firestore)
- SQLite & Room Database (Android)
- CoreData (iOS)
- RESTful APIs & JSON Parsing
- Authentication (Google, Facebook, Email, OTP)

### 📁 **Module 6: Advanced Features & App Optimization**

- Push Notifications (FCM & APNs)
- Background Services & Threads
- Camera, GPS, Sensors, and Hardware Integration
- Performance Optimization & Battery Efficiency

### 📁 **Module 7: Testing & Debugging**

- Unit Testing & UI Testing
- Debugging in Android Studio & Xcode
- Crash Reports & Log Analysis

### 📁 **Module 8: Deployment & Monetization**

- Preparing apps for Google Play Store & Apple App Store
- App Store guidelines & approval process
- In-App Purchases & Ads (AdMob, Facebook Ads)

## **Contact Us:**

**B.O:** A-1/17 Second Floor  
Janakpuri Delhi 110058  
Near Metro pillar No.636  
Akash Book Palace  
9210767600,9990008195  
[info@smartfuturepoint.com](mailto:info@smartfuturepoint.com)  
<https://www.smartfuturepoint.com>

**B.O:** R-20 First Floor, Budh  
Vihar Delhi 110086, Main  
Market Road, Near Ramleela  
Ground  
9210767600,9990008195  
[info@smartfuturepoint.com](mailto:info@smartfuturepoint.com)  
<https://www.smartfuturepoint.com>

