

JDNET TECHNOLOGIES

(ISO 9001:2015 CERTIFIED INSTITUTION)

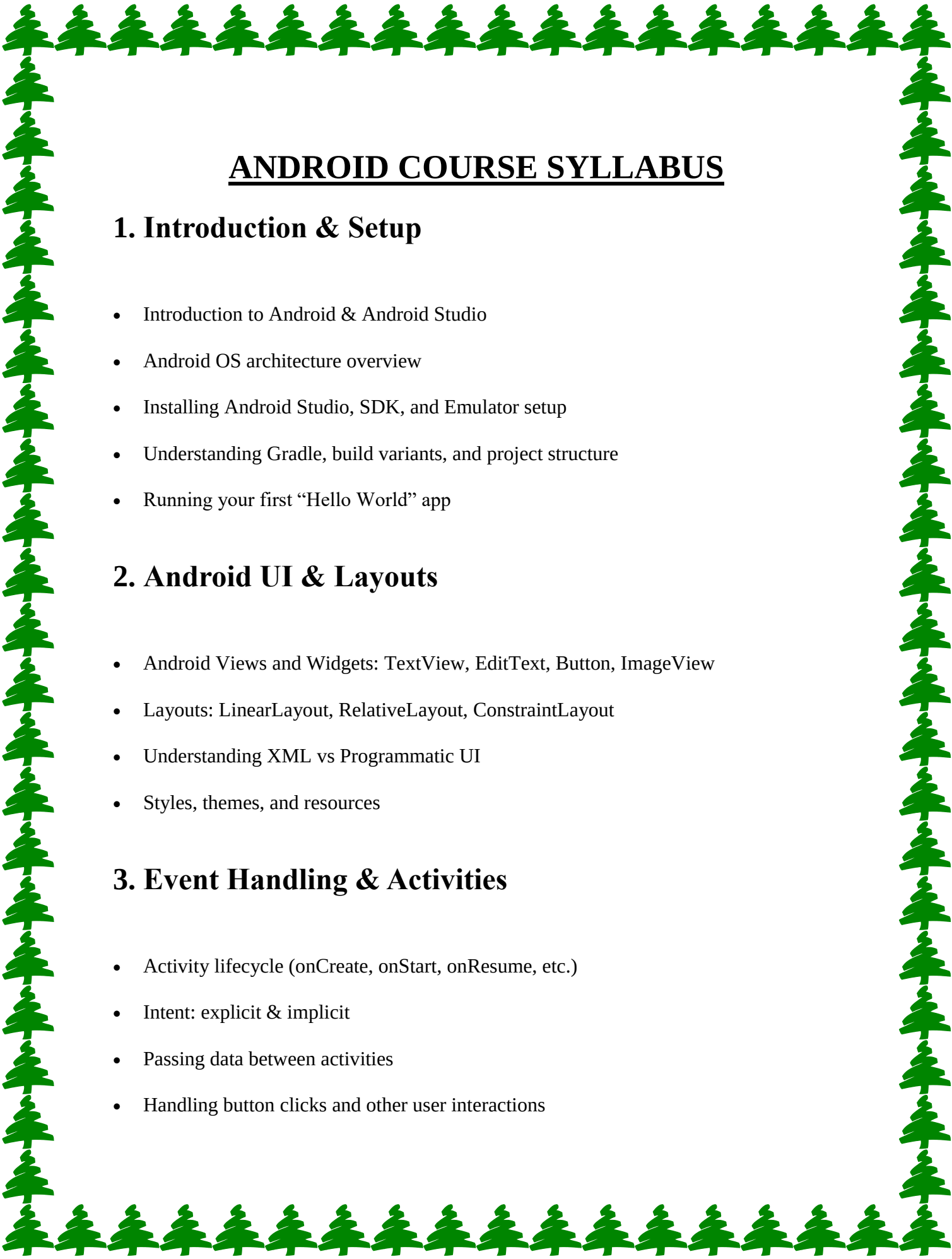
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ANDROID



TRAINING COURSES FOR ALL DEPARTMENTS



ANDROID COURSE SYLLABUS

1. Introduction & Setup

- Introduction to Android & Android Studio
- Android OS architecture overview
- Installing Android Studio, SDK, and Emulator setup
- Understanding Gradle, build variants, and project structure
- Running your first “Hello World” app

2. Android UI & Layouts

- Android Views and Widgets: TextView, EditText, Button, ImageView
- Layouts: LinearLayout, RelativeLayout, ConstraintLayout
- Understanding XML vs Programmatic UI
- Styles, themes, and resources

3. Event Handling & Activities

- Activity lifecycle (onCreate, onStart, onResume, etc.)
- Intent: explicit & implicit
- Passing data between activities
- Handling button clicks and other user interactions



4. Advanced UI & Fragments

- RecyclerView & Adapters for dynamic lists
- CardView & ListView (optional for legacy)
- Fragments & Fragment lifecycle
- TabLayout & ViewPager

5. Data Storage

- SharedPreferences (simple key-value storage)
- Internal & external storage
- SQLite database & Room Persistence Library
- CRUD operations

6. Networking & APIs

- Introduction to REST APIs
- Making network calls with Retrofit / Volley
- JSON parsing
- Displaying API data in RecyclerView



Connect With Us

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