# Android Application Development with Python Training

Duration: **3 Day**

BİLGİNÇ IT Academy
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## Overview

The main purpose of this training course is to teach you how to start developing Android applications using python technology.

Since, Android already has a good SDK out of the box, being able to use Python instead of Java is a big advantage for some developers - it allows for quicker turnaround times, and reuse of Python libraries.

## Prerequisites

Basic Computer Knowledge.

## Who Should Attend

Application Developers

Android App Developers

## What You Will Learn

Module 1 - Introduction

Module 2 - Layouts

Module 3 - UX Widgets

Module 4 - Events and Properties

Module 5 - Kivy App Project

Module 6 - Deploying the Kivy Application

## Outline

**Module 1 – Introduction**

- Introduction to Mobile Application Development

■ Native App

■ Hybrid Apps

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■ Web Apps

- Android App with Java/Kotlin
- Kivy Introduction and Overview
- Kivy Installation

■ How to Download and Install Python

■ Install Kivy on windows

■ Installing PyCharm (IDE)

- Architecture of Kivy
- KV language
- Kivy Basics

■ Import Kivy

■ RunTouch App

■ Using Hint

■ Orientation

**Module 2 - Layouts**

- Float Layout
- Anchor Layout
- Box Layout
- Page Layout
- Grid Layout
- Relative Layout

**Module 3 - UX Widgets**

- Button bind in Kivy
- Button Super
- Label and Button
- ActionBar
- Checkbox and Radio Button
- Progress bar
- Scatter
- Canvas
- AsyncImage
- Dropdown in Kivy
- File Chooser in Kivy
- ListView in Kivy
- Slider in Kivy

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**Module 4 - Events and Properties**

- Introduction of Events and Properties
- Touch Event o Input and Screen Transition
- Kivy Object Property

**Module 5 - Kivy App Project**

- Requesting data from URL
- Obtain API key o List adapter & list item button
- Project root class
- Location button
- Current Project class
- Display search and clear search info in our app
- Popup o Storage

**Module 6- Deploying the Kivy Application**

- Generate android APK for Google Play Store
- Publishing app to Google Play Store