



# MOBILE APP DEVELOPMENT

## Mobile App Development (Beginner)

A fun beginner-friendly course for kids to learn mobile app creation using MIT App Inventor through games, animations, sensors, and real-world app projects.

Ages 7–11 | 20 Sessions

---

<b>■ Build Real Apps</b> Create fun mobile applications	<b>■ Interactive Learning</b> Games, sounds & animations
<b>■ Creative Projects</b> Paint, photo & gallery apps	<b>■ Final Showcase</b> Complete app presentation

# Curriculum Roadmap

## **1. Introduction to App Development**

- Mobile apps overview
- MIT App Inventor
- Hello World App

## **2. UI Design & Components**

- Buttons & Labels
- Layouts
- Talking App

## **3. Adding Interactivity**

- Blocks Editor
- Events
- Fun Sound Apps

## **4. Logic & Variables**

- Conditions
- Math Operations
- Calculator & Age App

## **5. Sensors & Real-world Apps**

- Accelerometer
- Device Features
- Pedometer App

## **6. Layouts & Scrolling Apps**

- Scrollable Screens
- Image Gallery App

## **7. Canvas & Creative Apps**

- Drawing
- Colors
- Paint & Photo Booth

## **8. Data Storage**

- TinyDB
- Lists
- To-Do & Timetable App

## **9. Multi-Screen Apps**

- Navigation
- Passing Data
- Quiz App

## **10. Game Development**

- Sprites
- Animation
- Balloon Pop Game

## **11. Final Project**

- Complete App
- Combine Concepts
- Showcase

# Learning Outcomes

- Understand how mobile apps work
- Design fun and interactive app screens
- Build games, utilities, and creative apps
- Learn sensors, sounds, and data storage
- Develop confidence in coding and app creation

---

**Create • Play • Design • Innovate**