



## App Development For School Students

Apps are a part of our daily life—from ordering food to playing games and learning online.

In this program, students will learn how to design and build their own interactive apps. They will understand how apps take input, make decisions, and show results in real time.

### **Session 1: Welcome to Smart Apps!**

**Theme:** “Apps That React Like Humans”

- What is an app?
  - Real-life app examples
  - How apps respond to users
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### **Session 2: Design Your First App (UI Magic)**

**Theme:** “Make Apps Look Amazing”

- Buttons, Text Input, Dropdown
  - Images, Slider, Checkboxes, Radio Buttons
  - Design your first app screen
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 **Session 3: How Apps Think (Code Mode Basics)**

**Theme:** “Control the Brain of Your App”

- UI Controls, Variables, Math
  - Introduction to logic
  - Make your first button work
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 **App Project Zone: Build Like a Creator!**

 **Session 4: Project 1 – Hello Interaction App**

**Focus:** Understand user interaction

Students will learn how apps respond when a button is clicked and display output.

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 **Session 5: Project 2 – Button Click Counter**

**Focus:** Learn variables and data tracking

The app will count clicks and update values dynamically on the screen.

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 **Session 6: Project 3 – Name Greeting App**

**Focus:** Work with user input and output

Students will take input from users and display personalised messages.


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 **Session 7: Project 4 – Simple Login Message App**

**Focus:** Decision-making using conditions

The app will check input and display correct or incorrect messages.

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 **Session 8: Project 5 – Light ON/OFF App**

**Focus:** Control UI using logic

Students will learn how apps change visuals using actions and conditions.

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 **Session 9: Project 6 – Brightness Control App**

**Focus:** Real-time value controls

The app will adjust visuals dynamically using slider input.

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 **Session 10: Project 7 – Feedback App**

**Focus:** Collect and display user input

Students will build a form-like app to take and show feedback.

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**Session 11: Project 8 – Competition Registration App**

**Focus:** Handle multiple selections

The app will allow users to select multiple options using checkboxes.


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 **Session 12: Project 9 – Opinion Poll App**

**Focus:** Single-choice selection logic

Students will build a poll system using radio buttons.

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 **Session 13: Project 10 – Dropdown Selection App**

**Focus:** Work with dropdown inputs

The app will allow users to select options from a list and display results.

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 **Session 14: Project 11 – Quiz Game (KBC Style)**

**Focus:** Combine logic and scoring system

Students will create a quiz app with questions, options, and score tracking.

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 **Session 15: Project 12 – Student Attendance System**

**Focus:** Data tracking and management

The app will store and manage attendance records dynamically.