

Tuition
Management
Information
Android
Application



Introduction

The Tuition Management Information Android App is designed to streamline operations within tuition centers. It simplifies tasks like student registration, attendance monitoring, result checking and communication between teachers, students, and administrators.

Tools & Technologies

- Android Studio
- Java + kotlin
- Firebase



User Roles and Functionalities

ADMIN

- Register/manage student and teacher accounts
- Assign students to teachers/courses
- View reports (attendance/results)

TEACHER

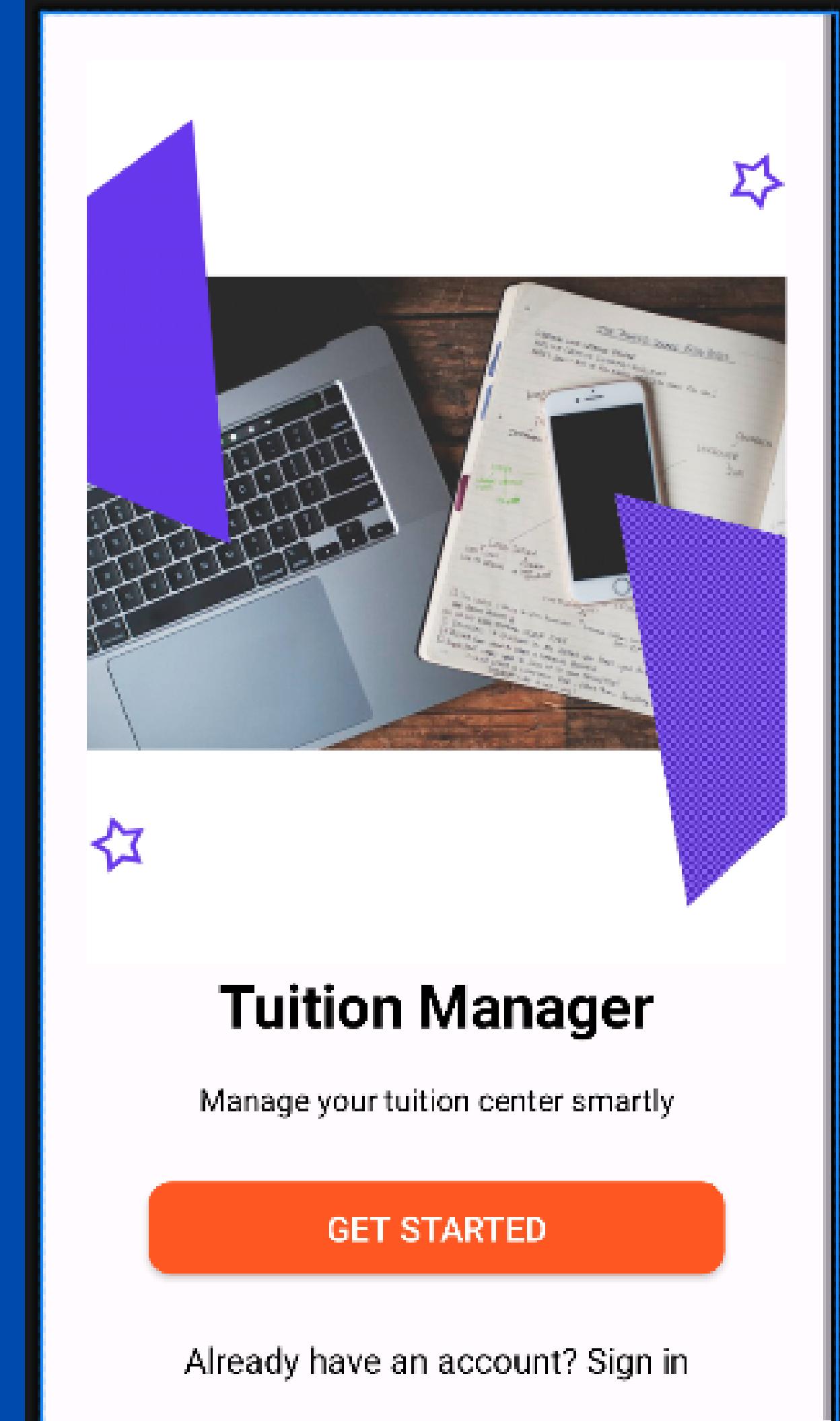
- Take attendance
- Upload assignments, materials, results

STUDENT

- View attendance, materials, results
- Submit assignments
- Receive notifications

Splash Interface

- A simple splash screen with the app name.
- Gives the app a professional and welcoming first impression.



Register Interface

- Users choose their role (Admin, Teacher, Student) and register with details.
- Ensures user segmentation and appropriate access control.

The image shows a registration form titled "Register" on a chalkboard background. The form includes fields for "Full Name", "Email", and "Password". Below the password field is a dropdown menu showing "Admin", "Teacher", and "Student" roles. A large orange "Register" button is centered at the bottom. The background features various mathematical equations, diagrams, and graphs, including a graph of a function $\frac{1}{N} \sum (x_i - \bar{x})^2$, a circuit diagram, and a graph of $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$.

Full Name

Email

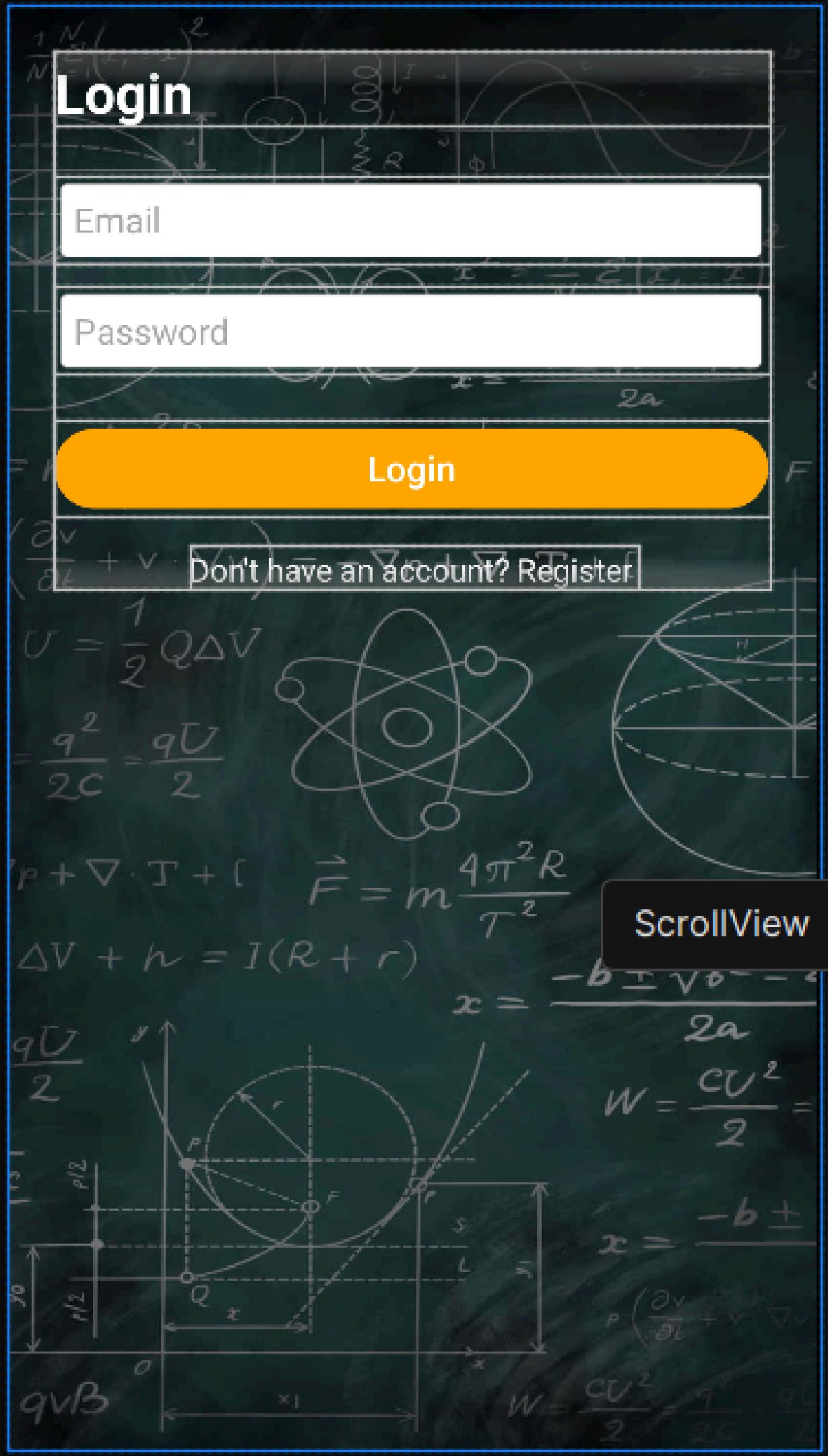
Password

Admin Teacher Student

Register

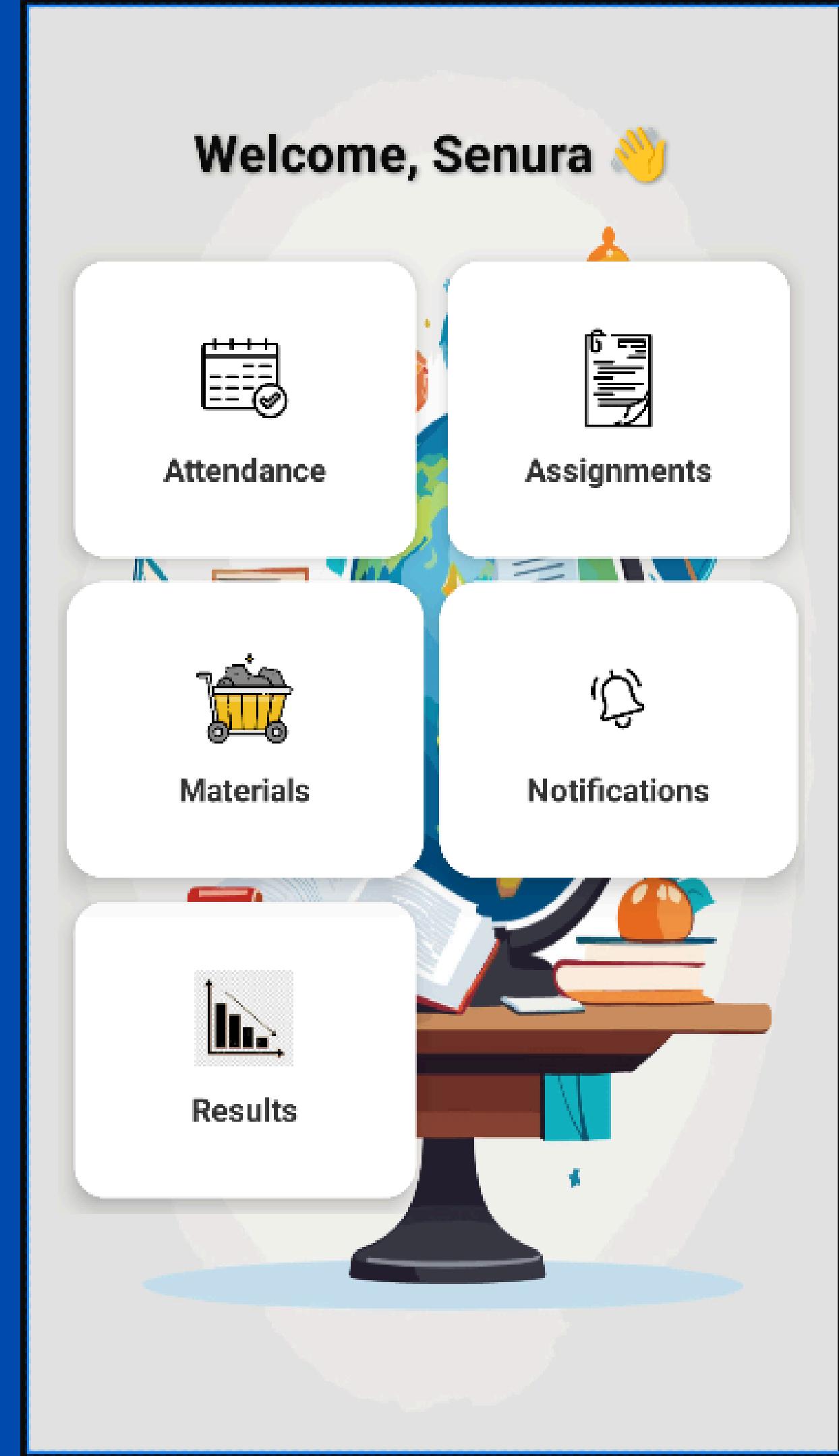
Login Interface

- Existing users enter email and password to log in.
- Authenticates users via Firebase.
- Redirects to their specific dashboard based on role.



Student Dashboard

- Student's home interface after login.
- Displays summary options: Attendance, Results, Materials.
- Simple UI for easy navigation.



Admin Dashboard

- Centralized interface for Admin users.
- Provides options to register and manage student/teacher accounts.
- Allows assigning students to courses and viewing overall reports.
- Designed for administrative control and quick overview.

Admin Dashboard

Assign Student to Teacher/Course

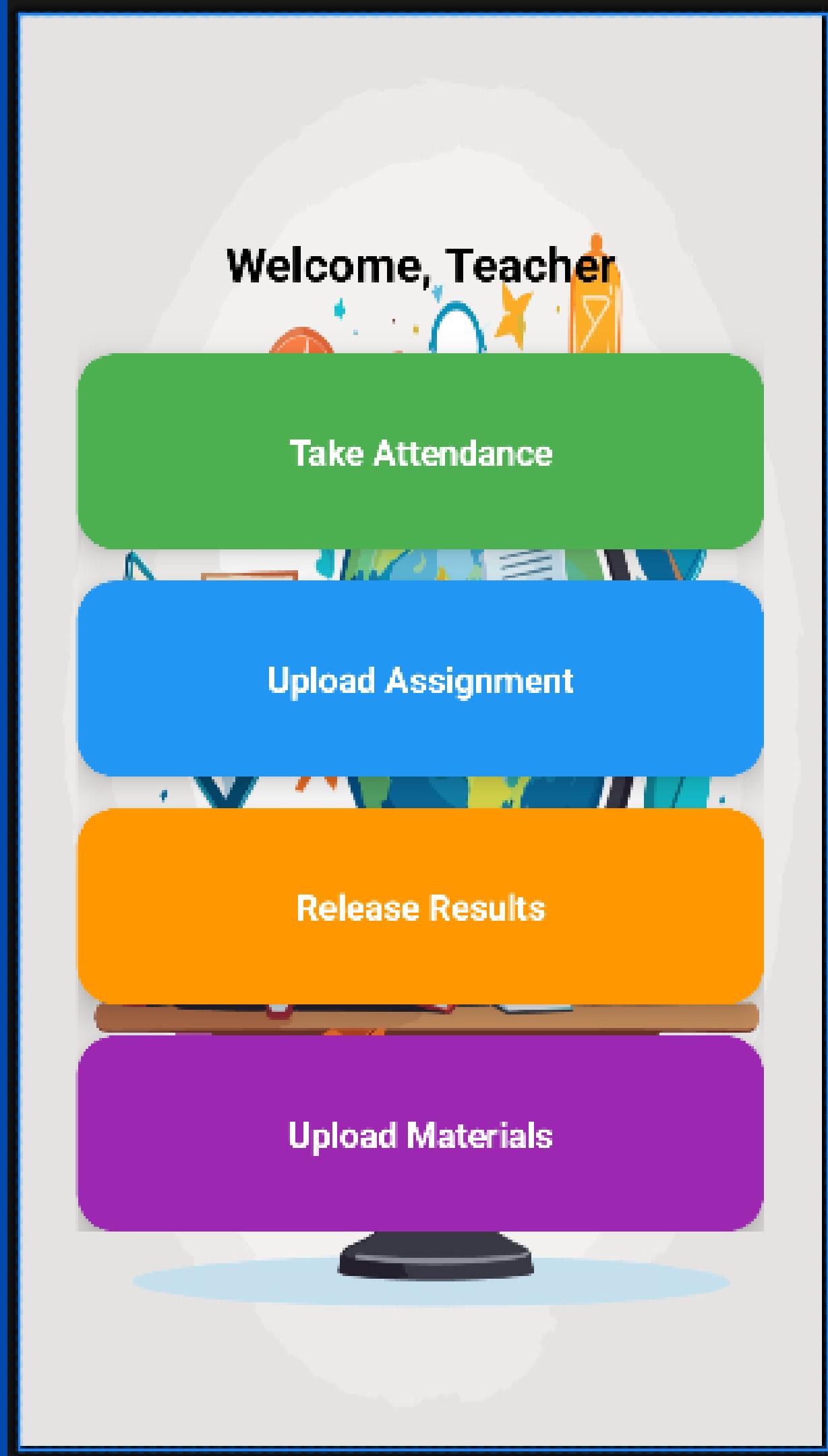
View Attendance Reports

View Results Reports



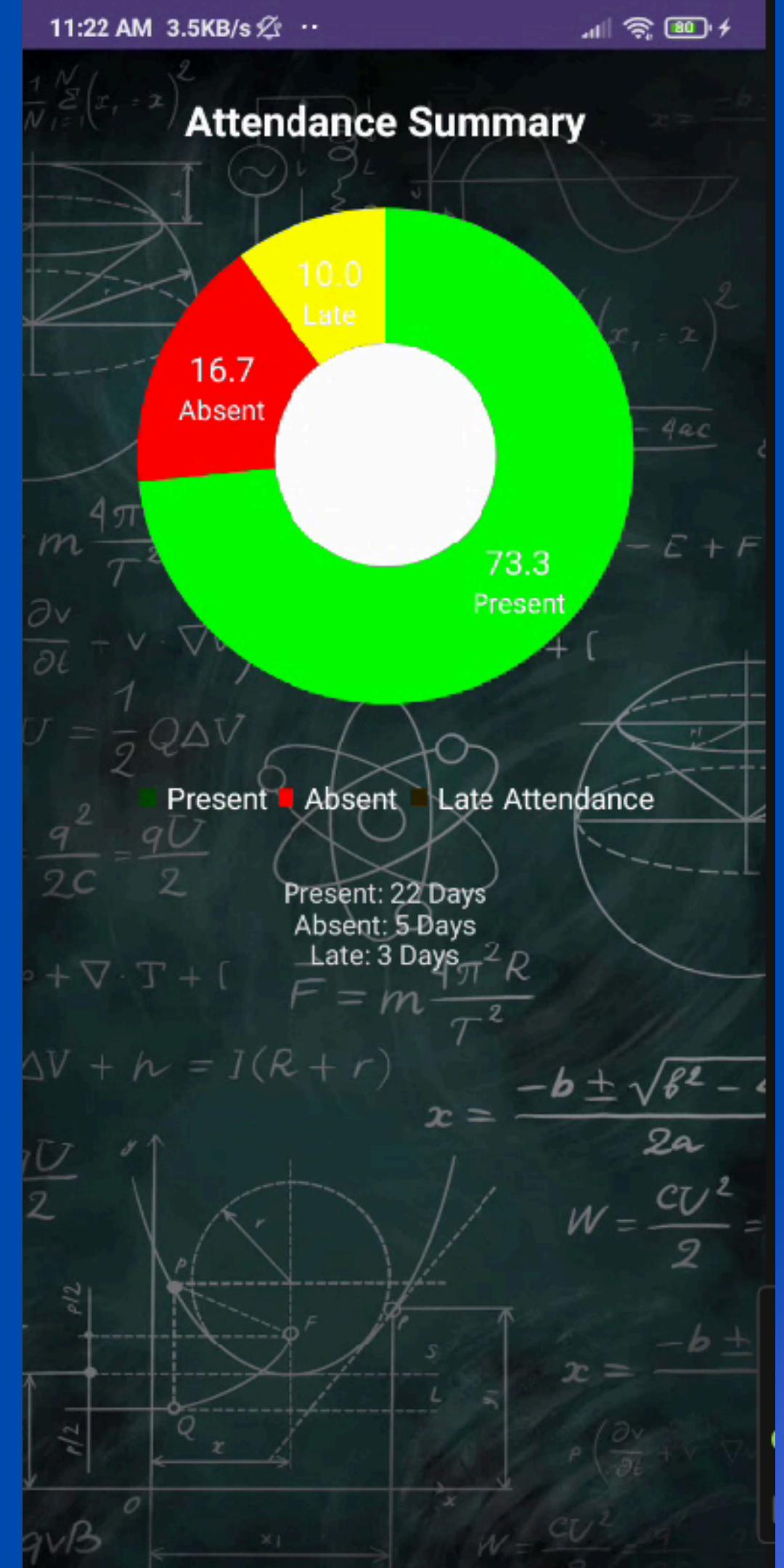
Teacher Dashboard

- Main interface for Teacher users after login.
- Provides navigation to attendance, results, and material upload sections.
- Allows easy access to student related functionalities.
- Simplifies teacher tasks and maintains organized workflow.



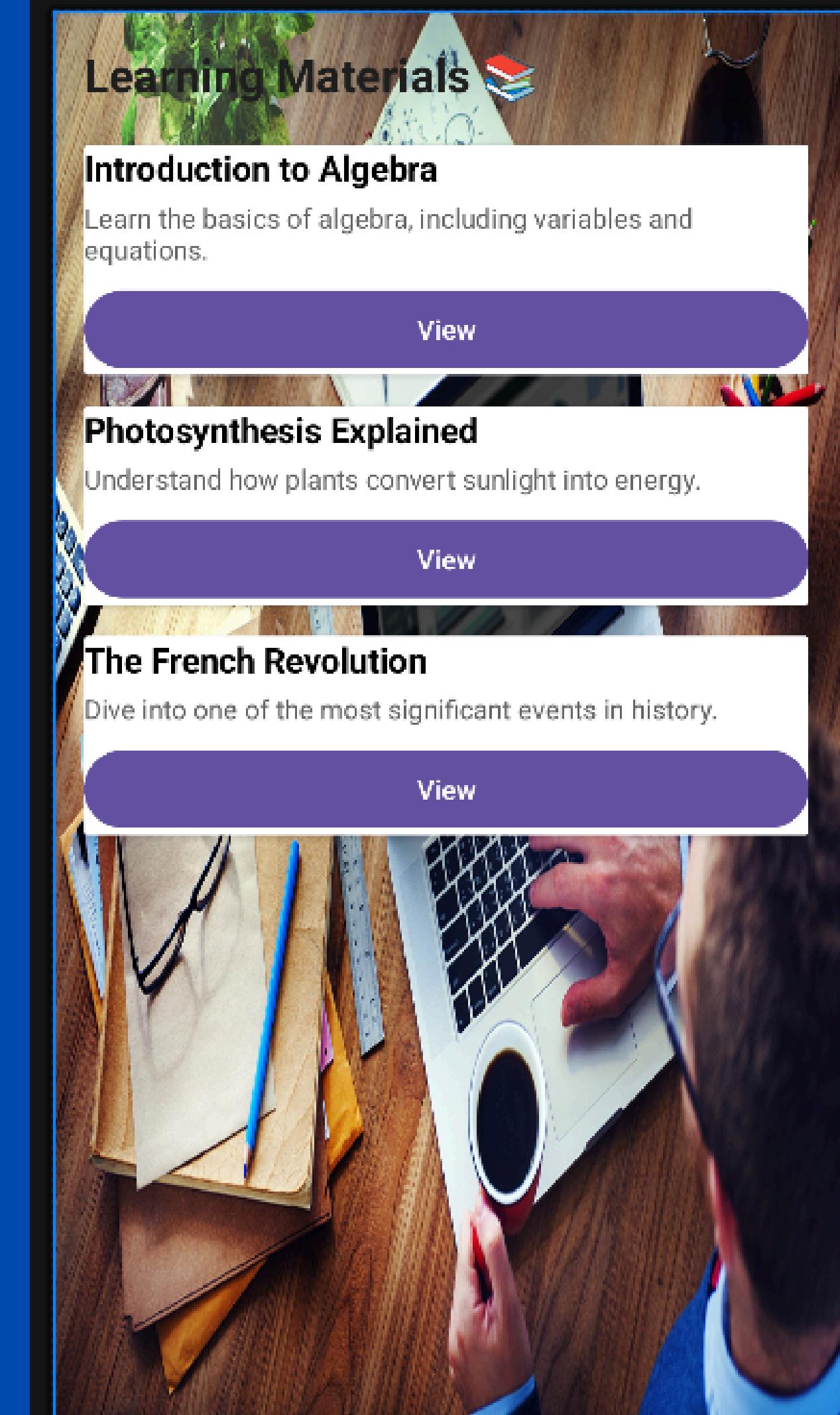
Attendance Interface

- Students can view their attendance history.
- Teachers use QR code scanner to mark attendance.
- Increases reliability of attendance tracking.



Materials Interface

- Students can access learning materials uploaded by teachers.
- Files/documents organized per subject/course.
- Supports remote learning and resource sharing.



Results Interface

- Students can view academic performance.
- Teachers upload test results per student/course.
- Encourages transparency and progress monitoring.

Class ID
Student ID
Subject
Grade (e.g. A+)

Submit Result



Assignment Interface

- allow students to submit their assignments directly through a mobile app.
- Teachers can upload assignments.

Assignment Title

Description

Due Date (e.g. 2025-07-15)

Select PDF File

No file selected

Upload Assignment



Future Implementation

- Add real time push notifications
- Include chat features
- Analytical dashboard
- Enable dark mode

Conclusion

We delivered a fully functional Tuition Management Android App that meets the real world needs of tuition centers. The application successfully demonstrated role based access, efficient attendance handling , and streamlined academic operations such as sharing materials and uploading results. Our group effort combined effective UI design, Firebase integration, and modular coding practices.