








Dr U Education Mobile App

A React Native mobile application for parents to track their children's educational progress at Dr U Education.

Features

-  **Secure Authentication** - Firebase-based login with email verification
-  **Multi-Student Support** - Manage multiple children from a single account
-  **Performance Tracking** - View test scores and attendance with visual indicators
-  **Class Management** - Browse enrolled classes and view detailed information
-  **Messaging** - Communicate with teachers directly through the app
-  **Push Notifications** - Stay updated with real-time notifications
-  **Subscription Management** - View and manage subscription status

Tech Stack

- **Framework:** React Native with Expo
- **Navigation:** Expo Router (file-based routing)
- **Backend:** NestJS API on Vercel
- **Database:** Firebase Firestore
- **Authentication:** Firebase Auth
- **Notifications:** Expo Notifications

Getting Started

Prerequisites

- Node.js 18+
- npm or yarn
- Expo Go app (for testing on physical device)

Installation

1. Clone the repository

```
git clone https://github.com/AdeepaK2/dru-edu-mob.git
cd dru-edu-mob
```

2. Install dependencies

```
npm install
```

3. Create environment file

```
cp .env.example .env
```

Fill in your Firebase and API credentials.

4. Start the development server

```
npx expo start
```

5. Scan the QR code with Expo Go (Android) or Camera app (iOS)

Project Structure

```
├── app/                                # Screen routes (file-based routing)
│   ├── (auth)/                        # Authentication screens
│   ├── (tabs)/                        # Main tab navigation
│   ├── chat/                          # Chat screens
│   ├── class/                         # Class detail screens
│   └── test/                          # Test screens
├── components/                        # Reusable UI components
│   ├── home/                          # Home screen components
│   └── ui/                            # Generic UI components
├── src/
│   ├── config/                       # API configuration
│   ├── contexts/                     # React contexts (Auth, Student, Notification)
│   ├── services/                     # API services
│   └── utils/                         # Utility functions
└── assets/                           # Images and static assets
```

Building for Production

Android APK

```
eas build --platform android --profile production --local
```

CI/CD

The project includes GitHub Actions workflow for automated builds:

- Pushes to **main** branch trigger Android APK builds
- Releases are automatically created with the APK attached

Required GitHub Secrets:

- **EXPO_TOKEN** - Your Expo access token

Environment Variables

```
EXPO_PUBLIC_API_URL=https://your-api-url.vercel.app
EXPO_PUBLIC_FIREBASE_API_KEY=your-firebase-api-key
EXPO_PUBLIC_FIREBASE_AUTH_DOMAIN=your-project.firebaseio.com
EXPO_PUBLIC_FIREBASE_PROJECT_ID=your-project-id
EXPO_PUBLIC_FIREBASE_STORAGE_BUCKET=your-project.appspot.com
EXPO_PUBLIC_FIREBASE_MESSAGING_SENDER_ID=your-sender-id
EXPO_PUBLIC_FIREBASE_APP_ID=your-app-id
EXPO_PUBLIC_FIRESTORE_DATABASE_ID=your-database-id
```

License

This project is proprietary software for Dr U Education.