**Mobile Device Compatibility & Offline Access Requirements**

*Ensuring performance across diverse devices and poor/no internet zones*

**Device & OS Support:**

| **Type** | **Minimum Spec** |
| --- | --- |
| Android Smartphones | Android 8.0+, 2GB RAM, 16GB Storage |
| Android Tablets | Android 9.0+, 3GB RAM (recommended for data-heavy users) |
| iPhones (HQ use only) | iOS 13+ |
| Rugged Devices | e.g., Samsung Galaxy XCover, Zebra TC52 |

**Offline Access Features:**

* **Core Modules Offline**:
  + Attendance marking
  + Vaccination records
  + Staff status change
  + Daily reports
* **Local Data Encryption**: Secure SQLite with AES on device
* **Data Sync Mechanism**:
  + Auto sync on Wi-Fi or 3G+ detected
  + Manual “Sync Now” button with status indicators
* **Conflict Resolution Rules**:
  + Most recent timestamp wins
  + Manual override with admin review if conflict