Here are the pictorial representations for the proposed solution:

**Diagram 1: Smart Self-Check-In Kiosk Interface**

This diagram illustrates the layout of the self-check-in kiosk, showing the touch screen interface, biometric scanner, QR/NFC scanner, and multilingual support buttons.

**Diagram 2: Mobile Check-In Application Flowchart**

This flowchart shows the steps a patient takes using the mobile check-in application, from opening the app to receiving a confirmation and wait time notification.

**Diagram 3: Virtual Queue Management System Architecture**

This diagram presents the architecture of the virtual queue management system, illustrating the flow from patient check-in to staff notifications and the integration of the notification system.

**Diagram 4: Integrated Data Synchronization with Blockchain Technology**

This diagram depicts the integration of the patient check-in system and appointment scheduling system with a blockchain data synchronization platform, ensuring secure and synchronized data across the clinic's database.

