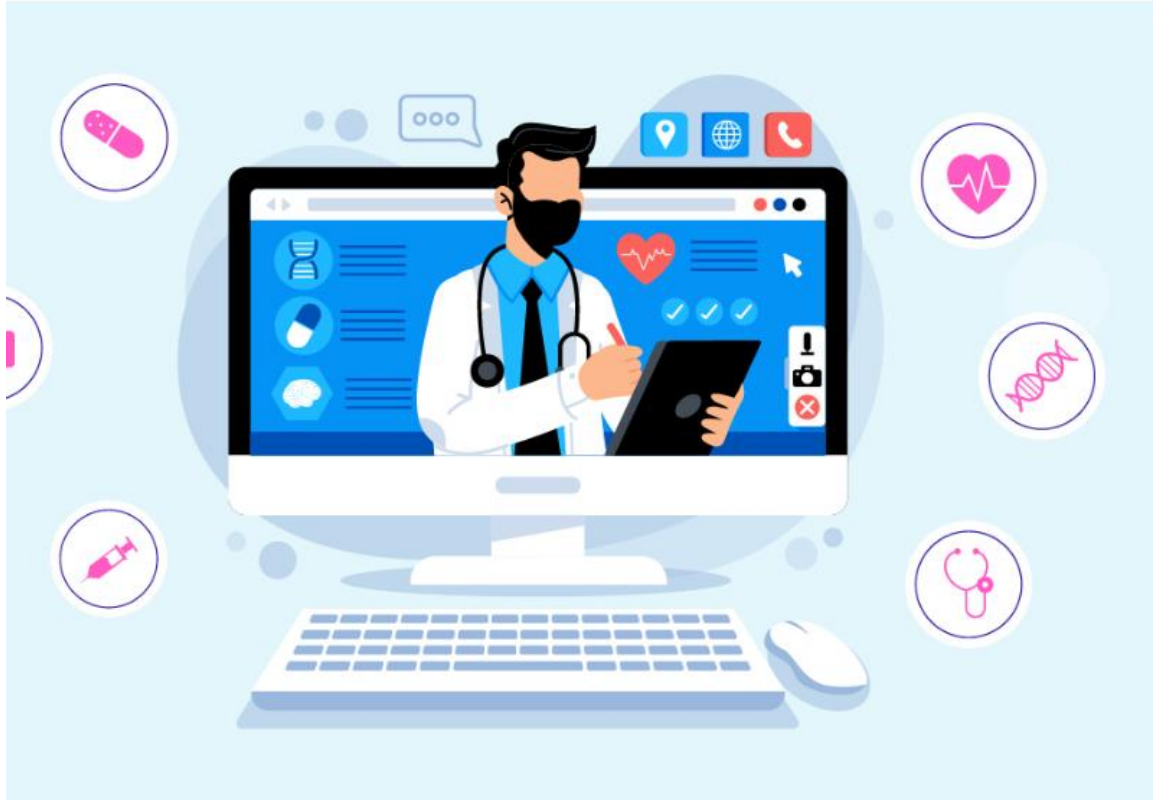
Medical Software System: Key Features and Significance

Key Feature 1: User-Friendly Desktop Application

- A user-centric interface tailored for both doctors and pharmacists, enabling efficient management of prescription writing, and medication dispensing.

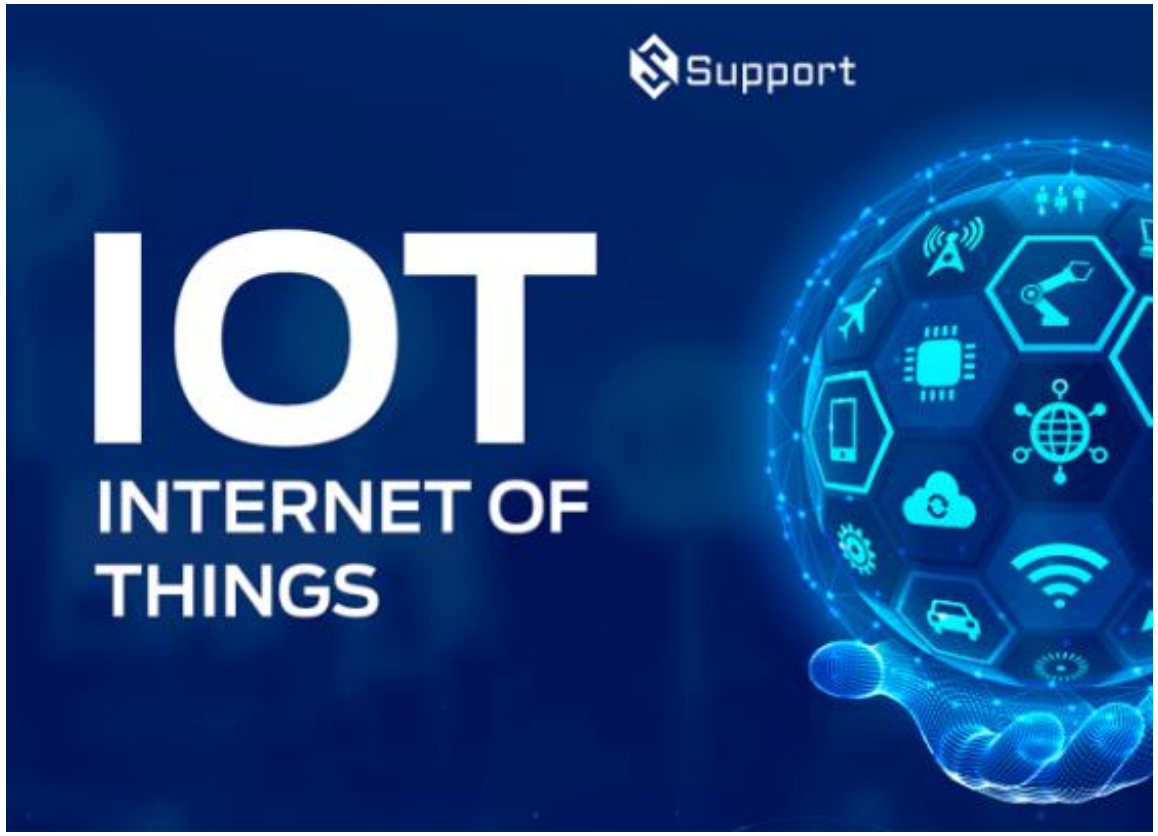


Key Feature 2: Database Management

- A robust database system will record doctor's database and medicine. Include doctor name , his specialty and his number also medicine will be grouped by there disease and dimension.

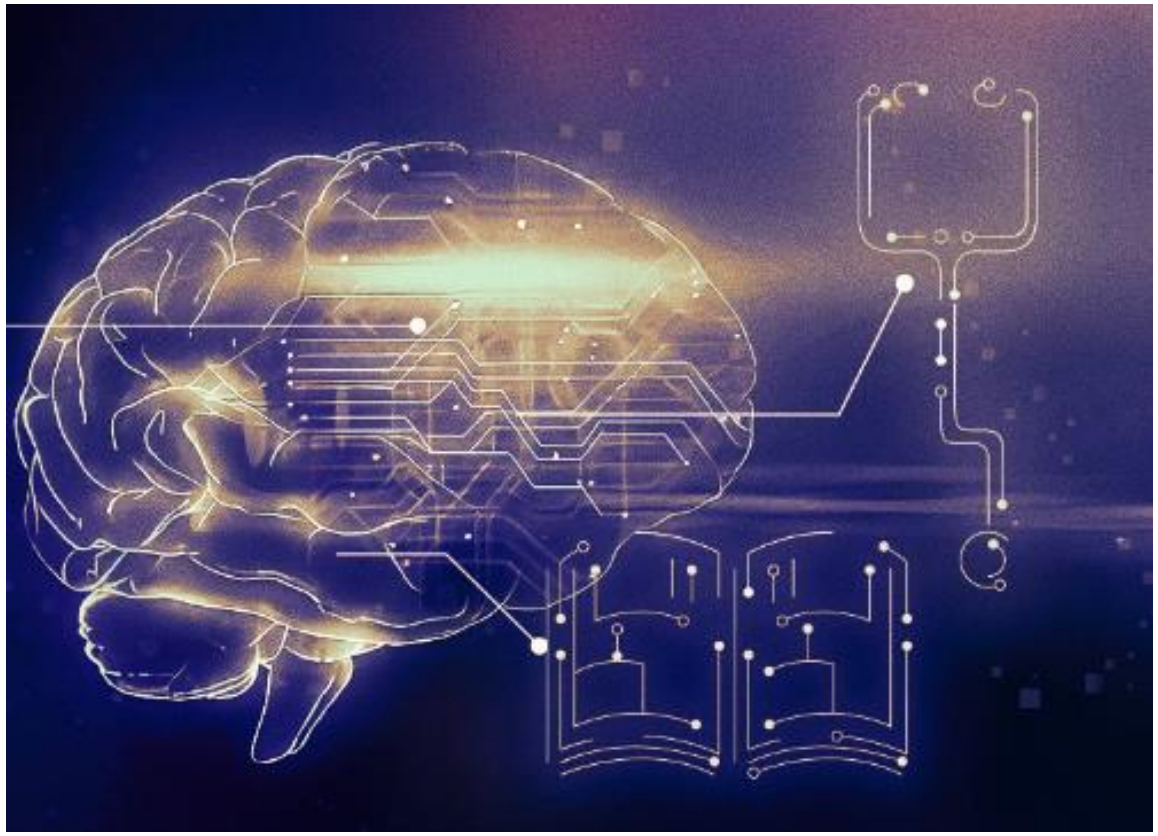
Key Feature 3: Real-Time IoT Inventory Tracking

- An integrated IoT system will provide real-time visibility into medicine inventory levels within the pharmacy. Sensors strategically placed throughout the storage facility will continuously monitor stock levels, relaying data to the pharmacy system. This proactive inventory management approach will enable timely replenishment when stock levels fall below predetermined thresholds and preventing stockouts.



Key Feature 4: Intelligent Prescription Processing

- Advanced image processing and machine learning algorithms will be employed to scan and interpret handwritten prescriptions.

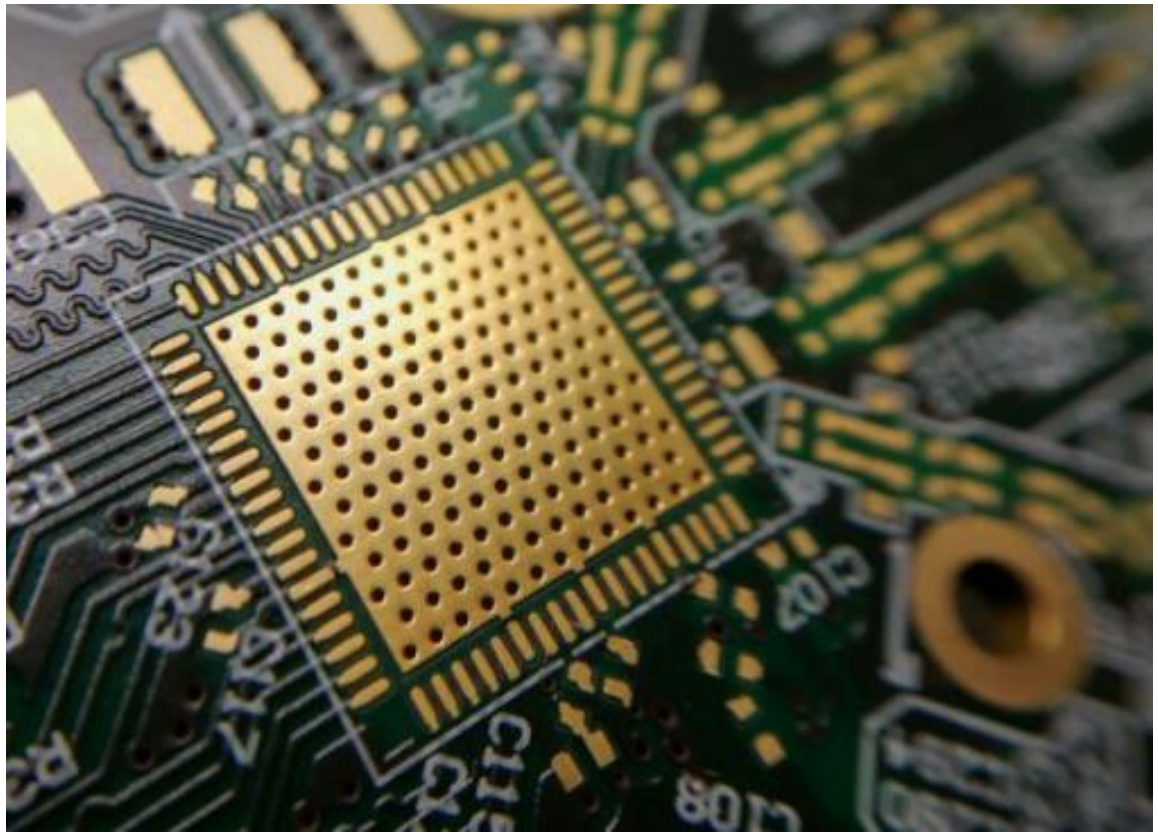


Key Feature 5: Predictive Medicine Consumption Modeling

- A machine learning model trained on historical patient data will predict future medication consumption patterns. This predictive capability will inform inventory management strategies and optimize procurement processes, ensuring adequate stock levels.

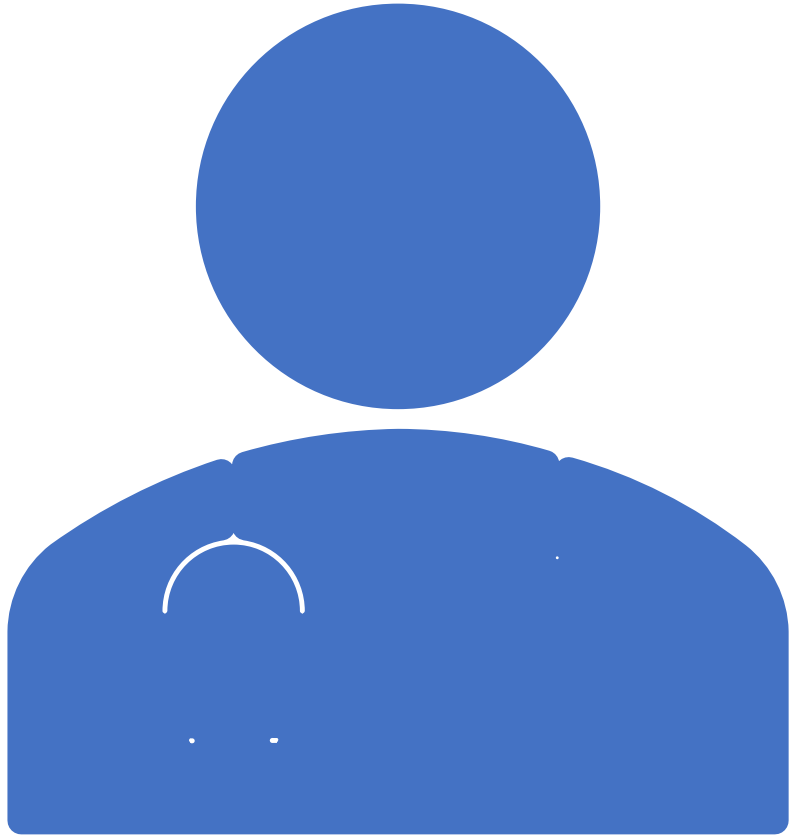
Key Feature 6:Embedded Software Development

- Embedded software tailored for graper and other embedded system components used for our smart pharmacy.



Project Significance: Streamlined Workflows

- Doctors and pharmacists will benefit from a streamlined workflow, reducing time spent on manual tasks. The system's user-friendly interface, automated data processing capabilities, and real-time inventory tracking will significantly improve efficiency and reduce administrative burdens.



Project Significance: Optimized Inventory Management

- Real-time inventory tracking and predictive medicine consumption modeling will enable proactive inventory management, ensuring adequate stock levels and reducing the risk of stockouts. This optimization will minimize unnecessary expenditures.

Project Significance: Enhanced Patient Satisfaction

- Patients will experience reduced wait times. The system's ability to provide accurate and timely information, streamline medication dispensing processes, and facilitate personalized treatment plans.