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(57) Abstract :
THE ROLE OF IOT, WIRELESS SENSOR NETWORKS (WSN) AND WIFI IN SMART MEDICAL APPLICATIONS Abstract: In the big data environment, we develop personalized information of college libraries based on big data from three aspects: the overall architecture of the system model, the functional model of the system, and the design of system interface modules according to the design principles and requirements of the personalized information service system of the university library Service system design. In terms of the functional design of the platform, the service platform is divided into four levels: accurate identification of user needs based on big data, personalized customized services based on artificial intelligence, academic research and discussion space based on integrated media, and fine-grained subject resource aggregation based on knowledge. On this basis, a centralized model of individualized services of university libraries including internal and external personnel, information resources, technology, services, processes, platforms, and environment has been constructed Articial intelligence (AI) is one of the emerging trends and applications of computing in libraries. It involves programming computers to do things, which if done by humans, would be said to require intelligence. The ultimate promise of articial intelligence in libraries is to develop computer systems or machines that think, behave, and in fact rival human intelligence, and this clearly has major implications on librarianship. The application of articial intelligence in the library has become pervasive. They include expert systems for reference services, book reading and shelf-reading robots, virtual reality for immersive learning among others. Although the incorporation of articial intelligence in libraries can be perceived to alienate librarians from their users, it will probably help libraries do more rather than taking over the jobs of librarians. It will enhance their services delivery. Articial intelligence will greatly improve library operations and services and will upgrade and heighten the relevance of libraries in an ever-changing digital society In the near future, advanced healthcare systems will incorporate a variety of wireless devices and applications that utilize wireless communication technologies to facilitate the transfer of healthcare data. This concept, termed the Internet of Medical Things, is already materializing. Quality of Service and sufficient bandwidth are essential components of the digital transformation of healthcare. When healthcare systems adopt IoT, they can become far more intelligent, adaptable, and capable of cooperating with other systems. This study investigates the most recent developments in Internet of Things (IoT) communication protocols and technology that can be utilized in smart healthcare applications. Low-power wireless technologies have been carefully explored in order to develop cost-effective and environmentally friendly IoT healthcare systems. Privacy and security are also cited as essential factors. Special focus is given to crowdsourcing and crowdsensing, which are commonly considered as quick ways to acquire big amounts of medical data. The IoMT study also addresses potential outcomes and outstanding challenges.

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