

(54) Title of the invention : SMART WOMEN’S PROTECTION AND SECURITY SYSTEM BASED ON IOT AND THE CLOUD, INCLUDING AN ALARM MESSAGE OR CALL TO CONTROL VIA SPEECH SENSING IN DETECTING KEYWORDS OR EMOTIVE PHRASES

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(57) Abstract :
SMART WOMEN’S PROTECTION AND SECURITY SYSTEM BASED ON IOT AND THE CLOUD, INCLUDING AN ALARM MESSAGE OR CALL TO CONTROL VIA SPEECH SENSING IN DETECTING KEYWORDS OR EMOTIVE PHRASES 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 Artificial 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 artificial 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 artificial 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 artificial 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. Artificial intelligence will greatly improve library operations and services and will upgrade and heighten the relevance of libraries in an ever-changing digital society In recent decades, the number of violent assaults on women has increased. Consequently, the safety of women has become a top priority for people all around the world. According to Indraprastha and Kannon, every hour one thousand new criminal cases against women are filed. This is significantly more prevalent in India than in other nations. Adopting the IoT application could be advantageous for women in challenging circumstances. In this post, we will invent a story about a woman who is attacked while travelling alone in a desolate place. This assault may occur at any hour of the day or night, from either the front or the rear. We designed a device with a quick-response mechanism to aid women in dangerous circumstances. The suggested technology operates more like an alert system during a crisis. This approach is essential for protecting the safety of women as quickly and effectively as feasible. Intelligent wearable technology can monitor the wearer's heart rate and other vital signs to detect the onset of an anxiety or panic attack. The collected data can then be utilised to execute the necessary tasks, such as informing local residents or individuals who have signed up to receive emergency alerts. The Internet of Things enables these novel security solutions for women to help them act quickly in a crisis and avoid unpleasant persons (IoT).

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