DATA SECURITY DESIGN HEALTH SYSTEM USING cryptographic SmartCard

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ABSTRACT

Person's medical record information is one factor that determines the quality of service provided by central health care services to patients and, therefore, this medical record information should always be there when needed. Confidentiality of medical record information is very important because this information to explain the special relationship between patient and physician, which must be protected from leakage according to the code of medical ethics and the applicable legislation.

Smart card technology (smartcard) offers convenience and security of data storage because of the mechanism for data encryption before the data is stored in memory, and the pin (secret code) that maintain such data in order not to be read by unauthorized parties. Smartcard can also be easily carried so as to ensure the availability of data whenever needed.

Keywords: Data Security, Smartcard, Cryptography