Title: Towards securing electronic medical record

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Description

Healthcare institutions around the world are encouraged to use electronic medical record systems. Issues of confidentiality and abuse of data cause many health care providers to oppose the use of medical record systems despite the potential benefits. This project will identify the gaps in information security of the medical software commonly used by GPs in Australia, implemented and integrated the PHRs with secure access to the system through using biometrics. Using biometrics in PHRs is considered as a new area, and as part of this study, we expect to see which biometrics that will be suitable and viable for securing PHRs.

Expected outcomes

- Academic paper of securing electronic medical record using biometrics
- Extension of PHR in existing software with secure access to the software using biometrics. The student is expected to extend the existing software and to write the appropriate software to incorporate biometric measurements.