

Universiti Teknologi MARA

E-HEART PAL

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**Report submitted in fulfilment of the requirements
for Bachelor of Computer Science (Hons)
Netcentric Computing
Faculty of Computer and Mathematical Sciences**

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SUPERVISOR'S APPROVAL

E-HEART PAL

By

MOHD AZHAR BIN AB MANAF

This report was prepared under the supervision of project supervisor, Miss Siti Aisyah Binti Abdul Kadir. It was submitted to Faculty of Computer and Mathematical Sciences and was accepted in partial fulfilment of the requirements for the degree of Bachelor of Computer Science (Hons) Netcentric.

Approved by

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Miss Siti Aisyah Binti Abdul Kadir
Project Supervisor

6 FEBRUARY 2015

STUDENT'S DECLARATION

I certify that this report and the project to which it refers is the product of my own work and that any idea or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.



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ABSTRACT

Improvements of patient health especially for patients with cardiovascular disease are important to National Heart Institute of Malaysia (IJN). For patients undergoing treatment, keeping healthcare record and doing physiotherapy that have been suggested by the doctor could improve the patient's health. During consultation with the doctor, most of the patients cannot keep track about their activity and their daily food intake. Some of them could not perform physiotherapy exercise because of referral problems and poor enrollment. Thus, in this research paper, upon the improvement of android mobile technology, android mobile is implemented in healthcare purpose. It is being used in activity tracker and exercise simulator coacher that help patients to adopt healthy lifestyle and enhance the quality of their life. Method used in this development was System Development Life Cycle to meet and exceed customer expectations based on the module that had been defined. With the implementation of the system, it improved the healthcare of the patients and successfully achieved the objective.