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Norrozila Sulaiman

University Malaysia Pahang, Malaysia., norrozila@yahoo.com

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WIRELESS STRATEGIC INFORMATION SYSTEM IN MANAGING PATIENTS

Norrozila Sulaiman

University Malaysia Pahang, Malaysia.

Email: norrozila@yahoo.com

Abstract (around 150 words – style ‘Abstract Title’)

The project aims is to investigate a new strategy for managing drug addicts patients. This paper presents an overview of the current situation and problems in the managing the patients. A strategic information system for managing the patients will be proposed. The benefit of having mobile application for managing the patients is also discussed. A prototype system for the mobile application will be developed. It specifically contains information such as the current situation, symptoms, problems and suggestion on how to improve the process of managing the patients so that they can have a good quality of life. Lastly, this paper also presents the result from the research analysis and it concludes by giving the expected outcomes from the proposed project.

Keywords: Information System, Information Technology, Mobility, Quality Life Style, Wireless Application

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1.0 Introduction

Since the past few years, the number of patients who abuse drugs is increasing every year. It is likely that this problem would not be solved without a proper management of information. Information system support natural flow of information within an organisation (O'Leary 2006). People are beginning to realize the competitive advantage from information which accumulates from longterm investments in information management infrastructure. Factors such as failing to get top management support, not having a proper plan and unable to obtain sufficiently qualified personnel are some of the reasons for failure in managing a good information system.

The impact of Information technology investment on organizational performance especially in the health-care industry was discussed by Devaraj(2000). Thus, the importance of successfully plan for infrastructure over time is crucial to support process in an organization which involves technology development. This is one of the aims in strategic information system. The benefits and impact of IS on organisation are explained by Haag(2008). According to Avison(1996), many of the examples of strategic information systems as reported in the literature are not sufficiently critical in determining whether the systems meet the term 'strategic'.

2.0 Managing Patients

Drugs seem to be the only way a person can relax. Drug addiction causes a lot of problems such as unhappiness, crime, major illness and even death. There are several factors that contribute to drug addiction. People are curious and like to try new things. Sometimes people try drugs in order to maintain relationship with somebody. There are a lot of problems with drug additions and suicide is a common effect of drug addiction. Addition affects the family, society and economy. In addition, drug addicts are more likely to commit crimes than others and the problems are enormous. This paper discusses the patient management system that will be developed to manage the patient based on individual needs. Assessment and treatment approach that affect the whole process will be designed which can make management of these patients more effective.

3.0 Proposed Contribution

The proposed contribution involves investigation of quality in managing the patients. It involves collecting data, processing, storing, analysing and disseminating the information for a specific purpose such as in decision making. Data will be gathered through survey and analyzed. The result will be used in implementing the system and modifying the system. Therefore, this study is primarily focused on the drug addict centre which help to manage the patients. The process involved will be documented and computerised if necessary. The purpose is to analyse and improve the process of handling the patient, in order to propose a more effective solution in making decision.

It is essential to evaluate the effectiveness of the system to ensure that it helps to improve management process. Thus, a prototype model of the system will be constructed after analysing the requirement where the system will be implemented at one location which acts as the control process for the projects. The system will be developed based on the suitability, accuracy of data, usability and completeness of information. The investigation will be focused on developing a mobile application for managing the patient records. The prototype will contain all the information needed and it be used in assisting the staff to determine the strategy in managing the patient and to make decision if needed.

Wireless communication is one of the advanced forms of human communications. The technology offers a great opportunity to provide integrated services using a wireless network technology. Users should be able to access information in any medium with easily, secure and cost effectively. They should be able to access to all of the information needed anytime and anywhere (Katz 1994). It is necessary to keep mobility and connection without interruption. The purpose of the system is to support mobility of users in managing the patients especially when the users move between different areas.

4.0 Conclusion

Strategic planning for information system process depends on users and management involvement for success. Therefore, a mobile application is proposed which is aimed to improve the process of managing patients. It is expected that the system will help the people in managing the information which includes making decision. Hence, this will affect the quality of the overall management.

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