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Abstract

Diabetes Mellitus requires regular monitoring to effectively reduce the risk of complications and improve the quality of life of the patient. The management of chronic diseases such as diabetes plays an important role in their prevention. Information and Communication Technology (ICT) plays an important role in general healthcare delivery and management, and the use of online systems in the monitoring of patients is considered an important tool in facilitating improvements in diabetes care; hence, a design of an online support system was done for diabetes management. This paper presents the development of an online support system for diabetes management which allows a diabetes patient to provide detailed information regarding treatment regimens such as blood glucose level at regular intervals, blood pressure level, and the food intake among others. The scheduler module of the system uses a flexible scheduler algorithm based on the First-come-First Serve basis. The system was designed using HTML, CSS, PHP and MySQL.

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Index Terms

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Keywords

ICT, Diabetes Mellitus, Online Support Systems, Patients, Doctors.