

**PHARMACY MANAGEMENT SYSTEM**

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DHAKA INTERNATIONAL UNIVERSITY, DHAKA, BANGLADESH

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# ABSTRACT

Pharmacy Management System revolves around Dhanmondi area. Currently, the department utilizes a manual system to manage and monitor the pharmacys. This involves manual entry upon arrival of new batches of drugs. In addition, ordering of drugs is also done manually. Thus, in this aspect, the workload of the pharmacist increases. With the proposed system, drugs will be processed easily. Any drug interactions and contradictions in the prescription will be detected by the system. Stock replenishment is invoked when the quantity-on-hand is lesser than the reorder point. Pharmacy Management System emphasized the Object-Oriented life cycle as the software methodology because classes and objects can be reusable. The object-oriented life cycle phase comprises of Requirements Modeling, Analysis Modeling, Design Modeling, Implementation Modeling, Coding, Quality Assurance & Testing and Maintenance. Unified Modeling Language is used to model the system functionality and interactions between the users. On the other hand, this system is designed on the 3-tier architecture. Microsoft Windows is chosen as the application platform integrated with Microsoft ASP.NET as the programming language. To conclude, Pharmacy Management System is developed to maintain the productivity, efficiency and patients' confidentiality at the system.

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