

Medical Billing System using Machine Learning

Rupali Waghmode¹, Gopal Devray², Vasudha Kanaki³, Dhiraj Shinde⁴, Darshna Bijwe⁵

Department of Computer Engineering

Sinhgad Institute of Technology and Sciences, Narhe, Pune, Maharashtra, India

Abstract: *Medical Billing System project aims to develop a comprehensive and efficient software solution for managing the billing and invoicing processes in a healthcare organization. The system will streamline the administrative tasks related to patient billing, insurance claims, and financial management, ultimately improving the efficiency and accuracy of the billing process. By integrating patient information management, the system will store and manage relevant patient details, including personal information, medical history, insurance coverage, and contact details. Appointment scheduling capabilities will facilitate the efficient management of patient appointments, The Medical Billing System project will develop a user friendly and feature-rich software solution that automates and streamlines the billing and invoicing processes in a healthcare organization. By enhancing accuracy, efficiency, and financial management, the system aims to improve overall operational effectiveness, reduce administrative burdens, and enhance the financial viability of healthcare providers.*

Keywords: Medical assistance, web services, distributed processing, access control, Hospital, Information System, Integration, Pharmacy

REFERENCES

- [1]. A design thinking framework and design patterns for hospital pharmacy management. International Journal of Healthcare Management. "W. Chanpuyetch, D. Kritchanchai." In 2020.
- [2]. Factors influencing acceptance of robotics in hospital pharmacy: a longitudinal study using the extended technology acceptance model International Journal of Pharmacy Practice. "Hogan, G. Grant, F. Kelly, J. O'Hare." In 2020
- [3]. Using Intelligent systems in Pharmacy Sagdoldanova Aiy Department of Information Systems Management Kazakh-British Technical University Almaty, Kazakhstan "2016"
- [4]. E-Payment System Using SMS Gateway and Line Application Emir Husni School of Electrical Engineering and Informatics Institut Teknologi Bandung Bandung, Indonesia "2018 International Conference on Information and Communication Technology for the Muslim World"
- [5]. Hospital-Pharmacy Management System: A UAE Case Study A. Khelifi, D. Ahmed, R. Salem, N. Ali "World Academy of Science, Engineering and Technology International Journal of Computer and Information Engineering Vol:7, No:11, 2013"
- [6]. DENG Zhenrong, HUANG Wenming, Liu Chuangxue, Li Yang, Li Renhua School of Computer Science and Engineering Guilin University of Electronic Technology Guilin, China "In 2017"
- [7]. Muhammad Bagus Andra Department of Computer Science and Kumamoto University Kumamoto, Japan "Automatic Lecture Video Content Summarization with Attention-based Recurrent Neural Network.
- [8]. Gleison Brito, Andre Hora, Marco Tulia Valente, Romain Robbes, On the use of replacement messages in API deprecation: An empirical study, The Journal Of System and Software, 2018.
- [9]. W. Chanpuyetch, D. Kritchanchai. (2020). A design thinking framework and design patterns for hospital pharmacy management. International Journal of Healthcare Management
- [10]. Expert pharmacy for drug interactions and diagnoses [Electronic resource]- https://prezi.com/_7zujyc8wkyz/expert-pharmacyfor-drug-interactions-and-diagnoses/