

Design and Development of Online Medical System

Prof. S.M. Joshi, Aaradhya Chaudhary, Manvendra Singh Chauhan,

Shubham Rathod, Pratyush Pandit

Sinhgad College of Engineering, Vadgaon, Pune, India

Abstract: The patient registration process is the first stage in our project's health care hospital management system. The next step is to save their information in the system. Booking appointments with doctors is the third step. Our programme may assign a special ID to each patient and automatically record the information about each patient and member of the team. Using the ID, users may look for a doctor's availability and patient information. You can log in to the Health Care Hospital Management System with a username and password. A receptionist or an administrator can access it. The database can only be expanded by them. They can quickly obtain the info. The user experience is excellent. Data processing is quick and the data are well-protected for personal usage. Essentially, it contains two components. One is for users, such as patients and physicians, while the other is at the administration level. To access the application, the application maintains authentication. Information about patients and physicians is managed by administrators. To accomplish this, two databases—one for the patient and the other for the doctors—were created, both of which were accessible to the admin. Authorities will make reference to the user concerns. Checking appointments and medications is a feature of the patient modules. Online users can also pay for medical services.

REFERENCES

- [1] <https://www.researchgate.net/publication/343345999> Implementation of MediCaresocial media \s System
- [2] <https://www.kff.org/medicare/issue-brief/medicareadvantage-in-2022-enrollment-update-andkey-trends/>
- [3] Check out this article on Urban.org: <https://research.urban.org/publication/assessment-literatureintegrated-care-models-peopledually-enrolled-medicare-andmedicaid>.
- [4] University of Western Sydney, San Murugesan, "Web Application Development:Challenges and the Role of Web Engineering".
- [5] Using Operations Research to Minimize Healthcare Delays, Linda V. Green (2008).
- [6] A Web-based Medical Emergency Guidance System by J. Kao et al., 2012 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining, Istanbul, 2012, pp. 739–744.
- [7] Suhair Mohammed Zeki and Dr. Abdul Monem Saleh Rahma, "Healthcare System Technology Using Smart Phones and Web Applications (Case Study Iraqi Environment)", available at <http://www.mecspress.net/ijem> 2017
- [8] AyanthiSaranga Jayawardena (2014): "The District General Hospital Installed the Electronic Hospital Information System."
- [9] "Intelligent Mobile Hospital Appointment Scheduling and Medication Collecting," Swabik Musa Abdulla Wani and Suresh Sankaranarayanan (2014).