

1. **Sumanth Reddy Desireddy**
2. **Pavan Kalyan Duggempudi**
3. **Lalithya Krishna Garaga**

|  |
| --- |
| **Dentist Polyclinic Management System** |
| **1. Introduction :**  Dental Clinic is an organization that is responsible in providing a health medication and treatment for all types of dental patients. Surely, everyday there are people that need to use the dental clinic services. But how can clinic provide a faster and efficient services if they are still using the traditional method on their daily operation? The traditional method means the customers need to fill in their detail in registration form manually and the information will only keep in files. After the registration, the files will be place in the rack and this will cause problems like taking a longer time to retrieve the information, make mistakes during writing or misplaced the files.  Nowadays, technology has changed many aspects of life and people’s daily life is becoming indivisible from the network due to the development of Internet. With dental clinic management system, the process gets much faster and more efficient than traditional way. Even t0hough the dental clinic had a system, but they still do not use the application. It is because there are facing several problems during process management. |
| 1. **Problem Statement or the issues :**    * Dissatisfaction with waiting time in the clinic reveals an important problem that needs to be resolved, possibly through limiting the number of patients to reduce the waiting time.    * When using the relation approach for modeling data, there are a variety of mistakes that can be made that result in database errors.    * The problem of incomplete or inaccurate data entry to persist |
|  |
| 1. **Goal / Objective Statement:**    * To maintain an effective and efficient patient care delivery system.    * Cost effective and easily manageable.    * To reduce the work of documentation.    * To get easy access to patient data with correct patient history.    * To improve Efficiency by avoiding human errors. |

|  |
| --- |
| 1. **Projected Business Benefits:**    * Blogs, Talk shows on oral health and dentistry.    * Optimize the time you spend with your patients and create an accessible way to run your clinic with solutions as paperless office management tools.    * Referral management systems, and secure communication instruments.    * Able to organize more data from patients. |
|  |
| 1. **Methodology :**    * Analyze all the properties required for the database.    * Design ER diagram using all the properties and constraints.    * Design Schema diagram.    * Design UML Diagram using ER diagram.    * Collect data from Dental hospital to insert the data into database. |
| 1. **References :**    * <https://www.dentistrytoday.com/>    * [https://www.academia.edu/37731980/Dental\_Clinic\_Management\_Syste](https://www.academia.edu/37731980/Dental_Clinic_Management_System) [m](https://www.academia.edu/37731980/Dental_Clinic_Management_System)    * [https://www.sourcecodester.com/php-clinics-patient-management-](https://www.sourcecodester.com/php-clinics-patient-management-system-source-code) [system-source-code](https://www.sourcecodester.com/php-clinics-patient-management-system-source-code) |