

**Project Proposal: Clinic Database Management System**

**ABSTRACT**

Clinics are settings where medical professionals treat people for illnesses they are afflicted with. The clinic database management system is a tool that will assist doctors, physicians, and nurses working for a healthcare institution in keeping track of patients' medical information and allowing doctors to perform data analysis. This will facilitate efficient management and administrative operations to keep track of the information about the patients and the medications in the clinic. The database tracks the details of patients including scheduling an appointment, insurance coverage, previous medical history, lab-test details, diagnosis and medications as well as the clinic's staff details. This database will make it easier to maintain the clinic's everyday operations.

**INTRODUCTION**

The clinic database system entails the development of entities and the attributes that go with them. This approach also involves the creation and use of queries as necessary. In later rounds, we will construct ER diagrams for the provided entities after creating the basic Entities and their properties. The primary topics covered by this project include patient and doctor information, patient diagnosis and history, clinic's pharmacy and inventory, patient's insurance coverage, accessible medications. Based on the above-mentioned entities, this database may respond to a variety of requests and deliver results. The clinics' effective management can be maintained with the aid of this application.

**OBJECTIVE**

The main objective of the project is to acquire knowledge of and put into practice a real-time database application for the efficient administration of clinic database management system. The project's main goal is to effectively manage clinic operations.