

A
Synopsis Report on

CLINIC MANAGEMENT SYSTEM

For the course of Engineering Mathematics-IIIIN

INFORMATION TECHNOLOGY

BY

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Under the guidance of
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CERTIFICATE

This is to certify that the Mini Project report on CLINIC MANAGEMENT SYSTEM has been submitted by AVINASH ANDHALE (20104138), PRATHAMESH NAIK (20104061), VISHNUKANT MULE (20104065) and JEMIN BHANUSHALI (20104109), who are a Bonafede students of A.P. Shah Institute of Technology, Thane, Mumbai, as a part fulfilment of the requirement for the degree in Information Technology, during the academic year 2021-2022 in the satisfactory manner as per the curriculum laid down by University of Mumbai.

Prof. Shital Agarwal
Guide

Dr. Uttam D. Kolekar
Principal

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Head Department of Information Technology

External Examiner's

- 1.
- 2.

Place: A.P. Shah Institute of Technology, Thane

Date:

CHAPTER 1:

INTRODUCTION:

INTRODUCTION:

- CLINIC MANAGEMENT SYSTEM is a project which aims is developing a computerized system to maintain all information of the Clinic Entities.
- It has a facility of Admin Login through which the Admin can monitor the whole system.
- Admin Modules are managing patients, manage Doctor's, and manage Appointments
- Patient Modules are to fill the registration form, Add details, find Doctor's and applied for appointment, view appointment, view doctor prescription details.
- Doctor Modules are to login, view appointments list, view patient details.
- Overall, this project of ours is being developed to help the Clinic Administration in the best possible way also reduce the human efforts.

OBJECTIVE:

- The main objective of the project is to manage the records of the patients, doctors, and appointments.
- Reduce the paper work and provides the 24x7 accessible website with the User-friendly GUI (Graphical User Interface) to manage the records.
- Our objective is by using the system software the patient can easily search and view doctor Profiles and also apply for Booking an appointment.
- It is also very useful for the Doctor's for viewing patient's details and write prescription to patients

PURPOSE:

- To manage the Clinic Administrative work.
- Helps to patients to find the doctor details and Take appointments online from anywhere
- This project also helps doctors work such as to keep information of patients and the appointments bookings per day, etc.

SCOPE:

This system which manages complete polyclinics details in a single application and in a single database.

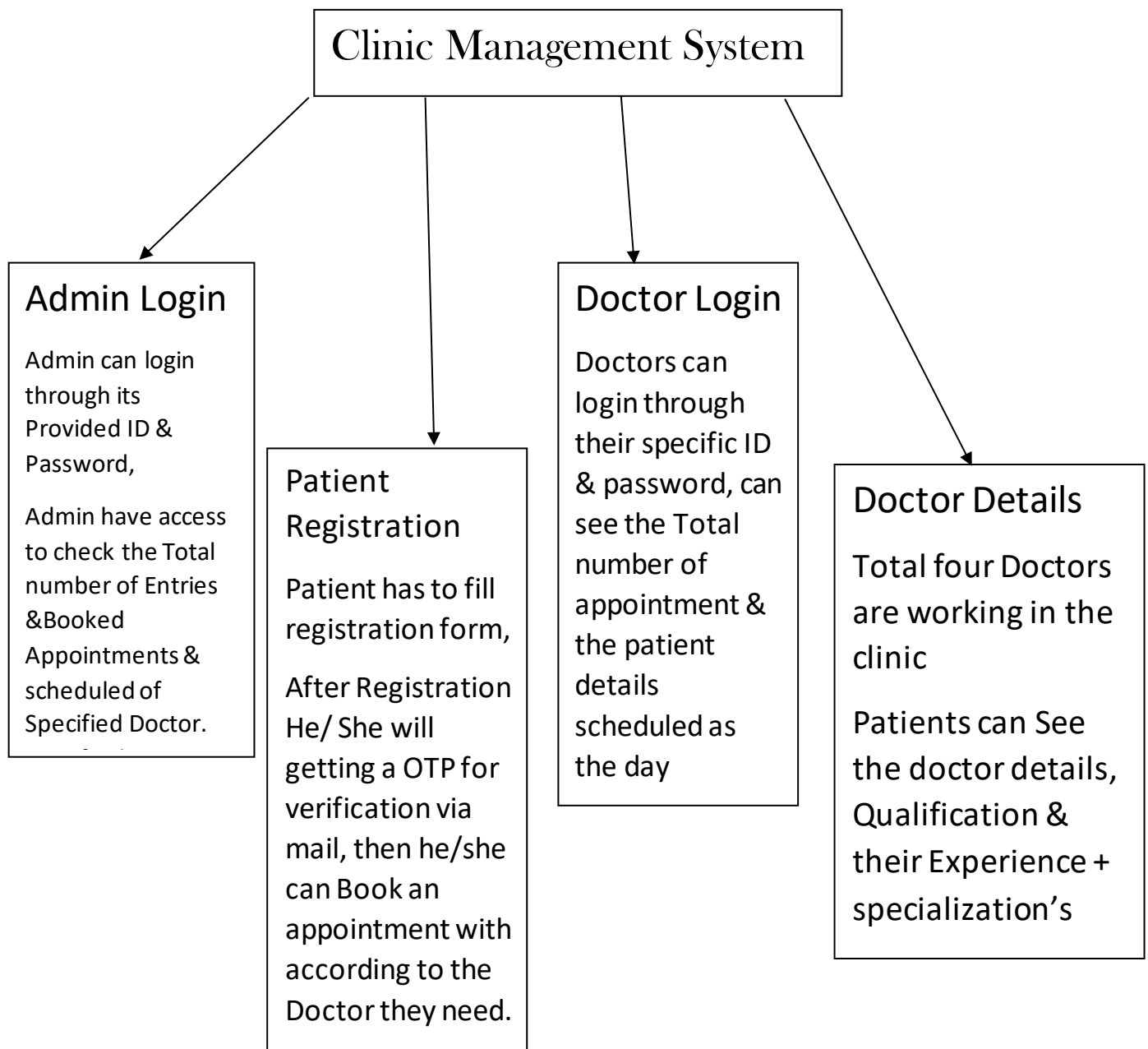
The users will use this system to handle all the functionality easily. Admin will also use the system to keep track of the patients consulting to them.

The intentions of the system are to increase the number of patients that can be treated accurately.

Requirements statements in this document are non-functional.

CHAPTER 2:

PROPOSED SYSTEM:



CHAPTER 3

FEATURES AND FUNCTIONALITY:

- Reliability
 - Security
 - Maintainability
 - Accuracy
-
- The patient records are stored in a digital form which is saved on to the server forever.
 - Even during a doctor's busy schedule, it helps in fetching out accurate and legible records of every procedure performed. This leads to error-free & 100% secure data.
 - To make Registration easy to use the patient just has to register him / her and then will get confirmation through e-mail.

PROJECT OUTCOMES:

- Patient can register her/himself after visiting our site.
- Patient can confirm his/her registration through e-mail.
- Admin will have access to ever registered patient.
- Doctor can see patient details through log-in to his dashboard.

CHAPTER 4:

SOFTWARE REQUIREMENTS:

- ▶ Operating system: Support all Windows server.
- ▶ Front End: PyCharm (tkinter), Html, G-MAIL.
- ▶ Back end: Wamp server, MySQL.

CHAPTER 5:

PROJECT DESIGN:

In this phase a logical system is built which fulfils the requirements. Design phase of software development deals with transforming the patient's requirements into a logically working system. Normally design performed in the following steps

- + Main Dashboard
- + Admin login
- + Admin Dashboard
- + Patient Registration
- + Patient Email verification
- + Doctor Details
- + Appointment slot Booking
- + Confirmation mail
- + Doctor Login
- + Doctor dashboard

MAIN DASHBOARD:

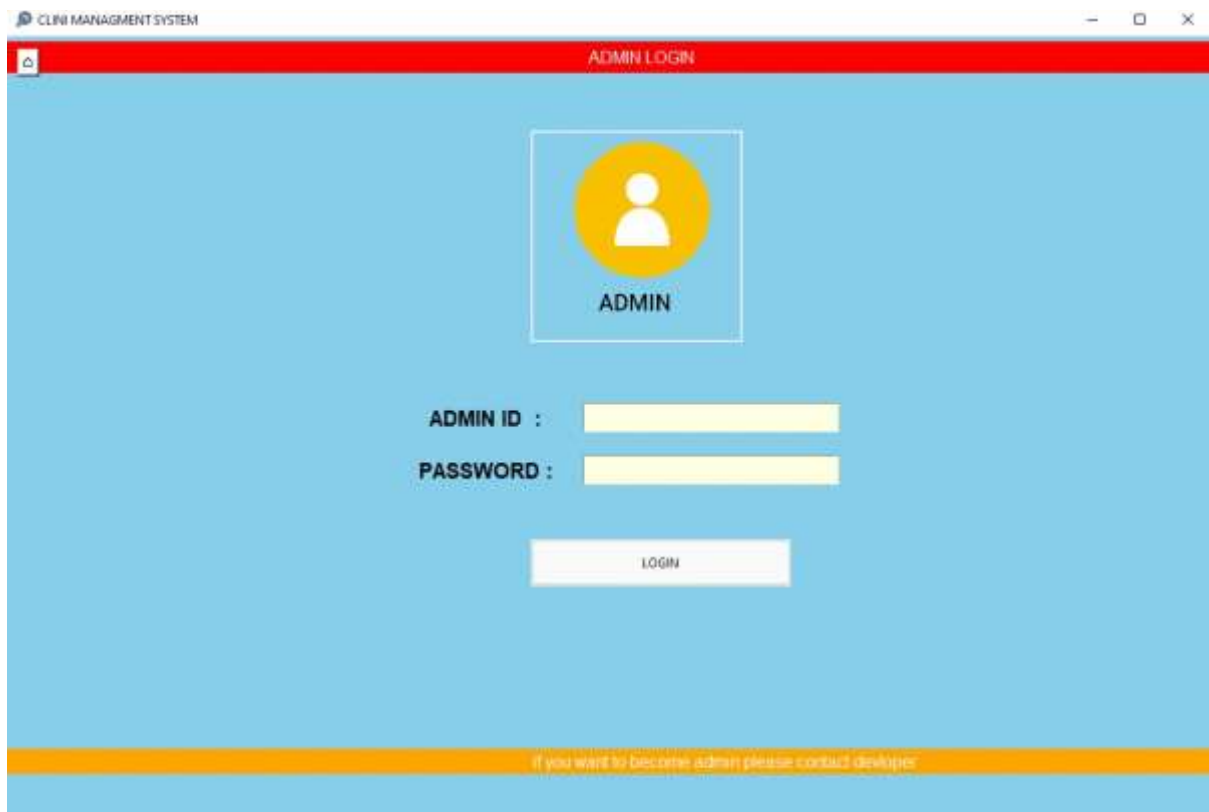
CONTENT:

1. Welcome to clinic management system
2. Admin Login button
3. Doctor Login button
4. Patient Registration button
5. Doctor Details button



Admin Login:

- Admin User have provided a Specific Login ID and a password
- When User click Admin Button on main dashboard, he/she will be directed to these page
- From here the Admin can Login into his/her account



The screenshot shows a web browser window titled "CLIN MANAGEMENT SYSTEM". The page has a red header bar with the text "ADMIN LOGIN" in white. The main content area has a light blue background. In the center, there is a yellow circular icon with a white person silhouette, labeled "ADMIN" below it. Below the icon, there are two input fields: "ADMIN ID :" and "PASSWORD :". Below these fields is a white button labeled "LOGIN". At the bottom of the page, there is a yellow footer bar with the text "if you want to become admin please contact developer".

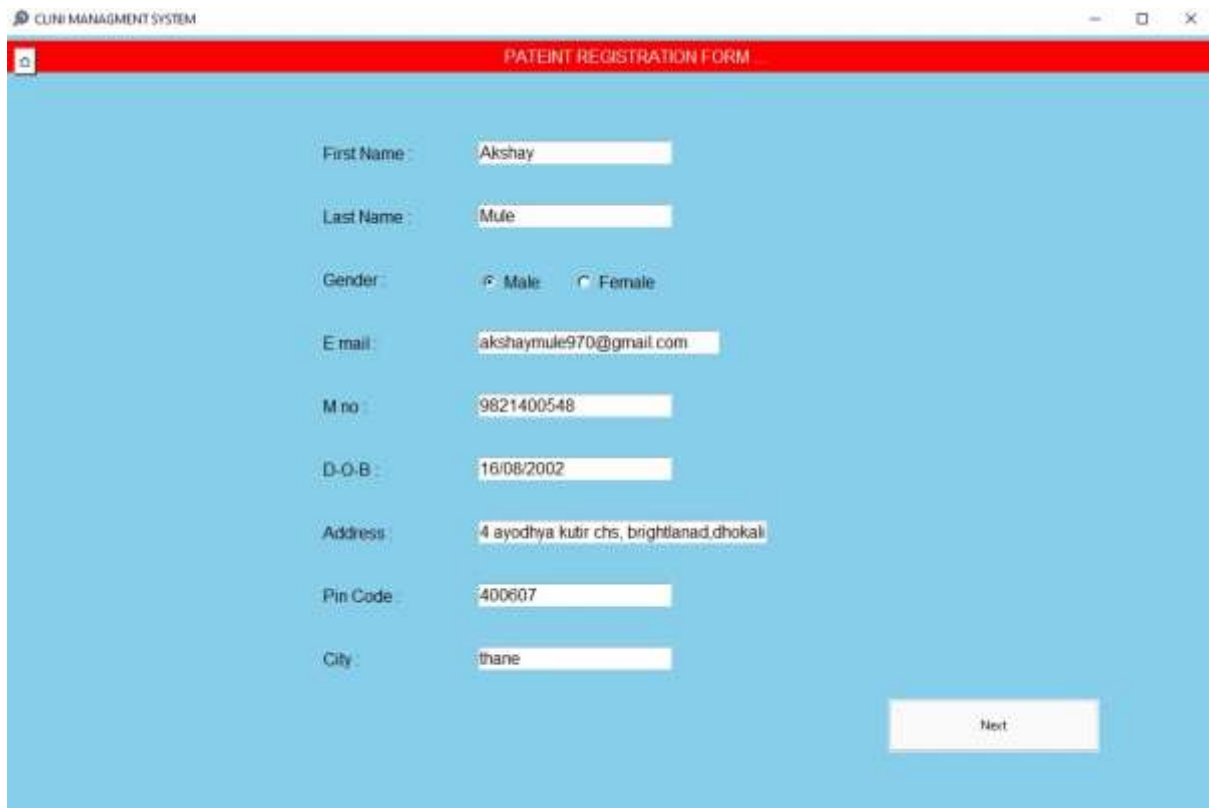
Admin Dashboard:

- Here's the Admin Dashboard page
- Here the Admin will get all the Updates related to the clinic
- Admin dashboard contents all the data such as:
 1. Total Number of Entries
 2. Total Number of Appointments Book & Scheduled per day
 3. Patient Details (filled by patients while Patient Registration)

ADMIN (DAUGHTER)									
First Name	Last Name	Gender	Mobile No.	Email Id	D.O.B	Address	Pincode	City	
ashray	mude	Male	2147400647	ashray.mude8700@gmail.com	12/01/2000	padmal nagar	14125006	thane	
anjali	mude	Female	2147400647	anjali.mude8700@gmail.com	12/02/1995	jay shree play shivaji	400021	mumbai	
gita	chit	Male	2147400647	gita.mude8700@gmail.com	20/11/2001	eddy	410102	thane	
ratika	mude	Male	2147400647	ratika.mude8700@gmail.com	12/01/2003	ayodhya kute	400058	thane	
af	ch	Male	1310	af.mude8700@gmail.com	09/09	mangrove	11010	delhi	
rit	ch	Male	1234	ritika.mude8700@gmail.com	12/04	gaur	2240	delhi	
anjali	eddy	Female	1240	anjali.mude8700@gmail.com	04/01	netaji	11010	thane	
n	ch	Male	123	n.mude8700@gmail.com	1/23	ganga	11010	thane	
e	ch	Male	121230	e.mude8700@gmail.com	07/03	ganga	11010	thane	
mal	ch	Male	1000	mal.mude8700@gmail.com	01/01	eddy	11010	thane	
gita	ch	Male	121	gita.mude8700@gmail.com	12/10	netaji	11010	thane	
h	ch	Male	100	h.mude8700@gmail.com	12/10	netaji	11010	thane	
ganga	netaji	Male	2147400647	ganga.mude8700@gmail.com	14/04/2010	netaji	11010	thane	
anjali	netaji	Male	100000	anjali.mude8700@gmail.com	01/01	netaji	11010	thane	
mal	netaji	Male	212121	mal.mude8700@gmail.com	02/01	netaji	11010	thane	
anjali	netaji	Female	12000	anjali.mude8700@gmail.com	03/01	netaji	11010	thane	
anjali	netaji	Female	12000	anjali.mude8700@gmail.com	04/01	netaji	11010	thane	
anjali	netaji	Female	12000	anjali.mude8700@gmail.com	05/01	netaji	11010	thane	
ganga	netaji	Male	1000	ganga.mude8700@gmail.com	06/01	netaji	11010	thane	

Patient Registration Form:

- Here's the Patient Registration page
- When the User click Patient Button, he/she will be directed to the page



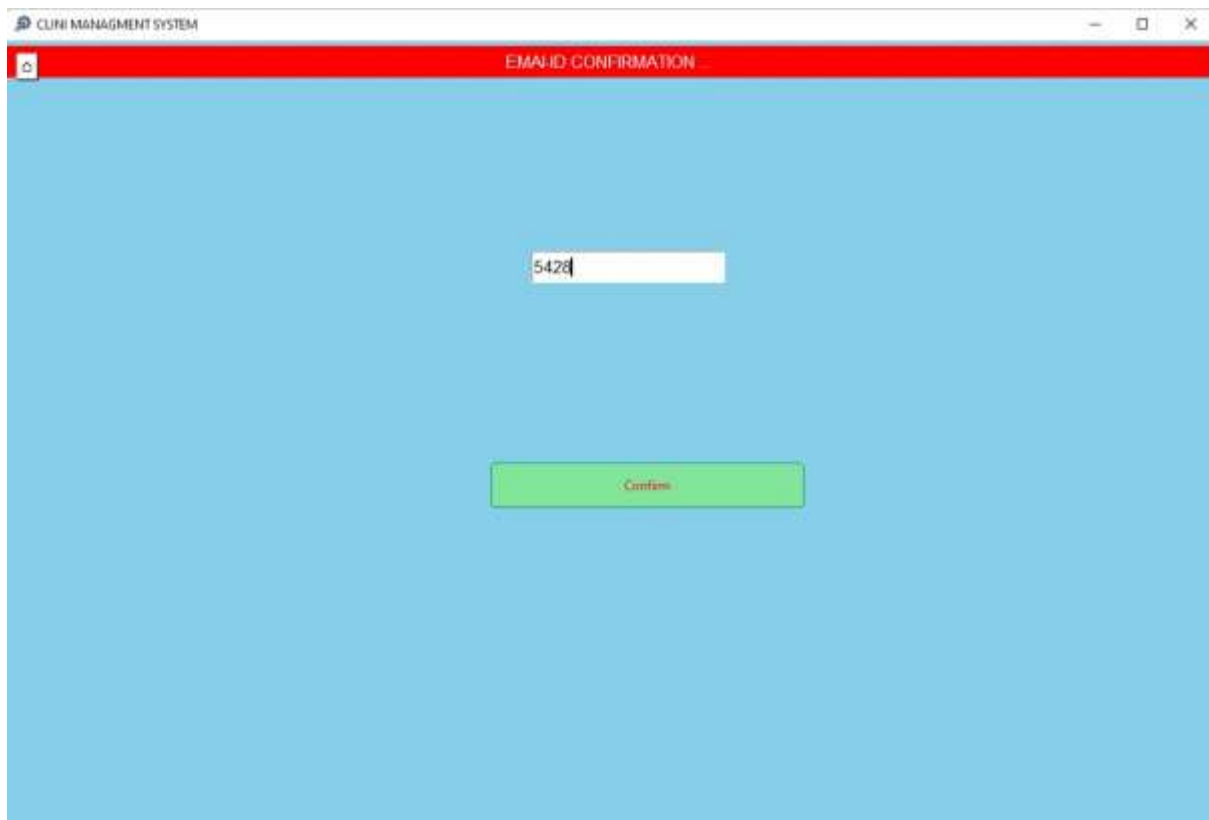
The screenshot shows a web application window titled "CUNI MANAGEMENT SYSTEM". Inside the window, there is a red header bar with the text "PATEINT REGISTRATION FORM". The main content area is light blue and contains a registration form with the following fields and values:

Field	Value
First Name :	Akshay
Last Name :	Mule
Gender :	<input checked="" type="radio"/> Male <input type="radio"/> Female
E mail :	akshaymule970@gmail.com
M no :	9821400548
D-O-B :	16/08/2002
Address :	4 ayodhya kutir chs, brightlanad,dhokali
Pin Code :	400607
City :	thane

A "Next" button is located at the bottom right of the form.

Email Confirmation:
(OTP verification)

- After Filling up the Patient registration form
- When the user clicks the Button named (Next)
He/she will get an OTP (ONE TIME PASSWORD) number via mail on their Email ID,
- If the user puts a wrong OTP no. he/she will pop-up a message (INVALID OTP) (PLEASE ENTER A VALID OTP)
- On putting received OTP no. and click Confirm button then the user will directed to next window



The screenshot shows a web application window titled 'CLINI MANAGMENT SYSTEM'. The main content area is titled 'EMAIL ID CONFIRMATION' in a red header. The background is light blue. In the center, there is a text input field containing the number '5428'. Below the input field is a green button labeled 'Confirm'.

Clini-Management System

Book Appointment

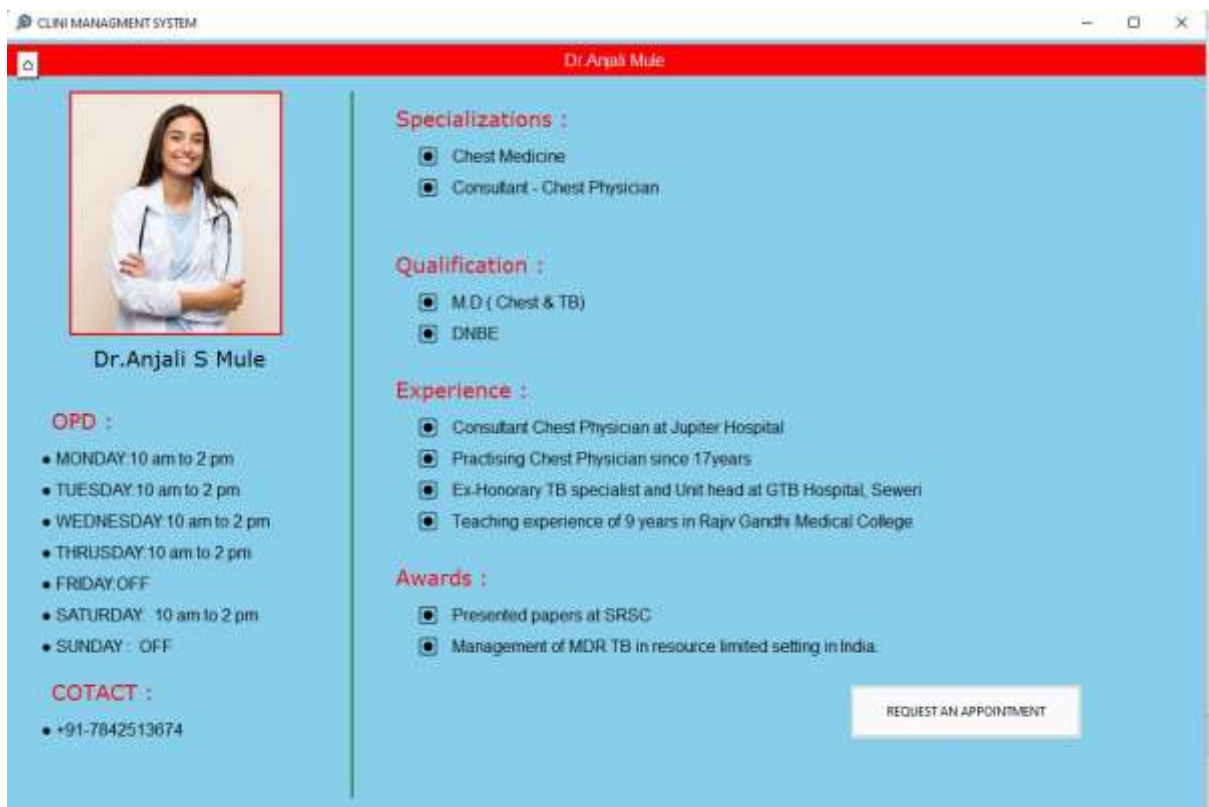
Doctor: Dr. SHUBHAMAK SAWANT

Day: 12

Month: March

Year: 2022

BOOK APPOINTMENT





Dr. Shubhamak Sawant

OPD :

- MONDAY: 10 am to 2 pm
- TUESDAY: 10 am to 2 pm
- WEDNESDAY: 10 am to 2 pm
- THURSDAY: 10 am to 2 pm
- FRIDAY: OFF
- SATURDAY: 10 am to 2 pm
- SUNDAY: OFF

CONTACT :

- +91-9326513775

Specializations :

- Scoliosis surgery, minimally invasive and endoscopic spine surgery
- Consultant - Spine Surgeon

Qualification :

- MBBS - NSCB Medical college, Jabalpur (2006)
- MS (ortho) - MGM Medical college, Indore (2009)

Experience :

- Experience of 10 years in spine surgery with special expertise in scoliosis surgery
- Dr. Sawant was Professor in Orthopedics and head of spine unit at (SAIMS), Indores
- Role of posterior approach in multisegmental cervical myelopathy
- Predictive factors for progression of spondylolisthesis

Awards :

- Prof. K.T. Dholakia Gold Medal- best paper (IOACON 2008)
- Prof. Sudhir Kapoor gold medal for best case report of the year 2014

REQUEST AN APPOINTMENT



Dr. Mahesh Patil

OPD :

- MONDAY: 10 am to 2 pm
- TUESDAY: 10 am to 2 pm
- WEDNESDAY: 10 am to 2 pm
- THURSDAY: 10 am to 2 pm
- FRIDAY: OFF
- SATURDAY: 10 am to 2 pm
- SUNDAY: OFF

CONTACT :

- +91-8754236978

Specializations :

- ☒ General Surgery
- ☒ Consultant - Laparoscopic Surgery & General Surgery

Qualification :

- ☒ MBBS
- ☒ MS

Experience :

- ☒ 2 Years Experience in General surgery

Awards :

- ☒ Vice President Centra zone IAGES 2014-2018
- ☒ Secretary Atysi From 2018 to Till date

REQUEST AN APPOINTMENT

Dr Ganesh Karad



Dr.Ganesh Karad

OPD :

- MONDAY:10 am to 2 pm
- TUESDAY:10 am to 2 pm
- WEDNESDAY:10 am to 2 pm
- THURSDAY:10 am to 2 pm
- FRIDAY:OFF
- SATURDAY: 10 am to 2 pm
- SUNDAY : OFF

COTACT :

- +91-9821400548

Specializations :

- ☒ Internal Medicine
- ☒ Consultant - Internal Medicine

Qualification :

- ☒ M.B.B.S. MGM Medical College, Indore
- ☒ M.D. Medicine MGM Medical College, Indore

Experience :

- ☒ 9 Years Clinical Experience

Awards :

- ☒ Attended many conferences

[REQUEST AN APPOINTMENT](#)

USER INTERFACE DESIGN:

CHAPTER 7

PROJECT SCHEDULING:

SR no.	Group Member	Time Duration	Work Done
1.	AVINASH ANDHALE	1 st week of January	Patient Registration page Doctor login page Admin Login page
2.	VISHNUKANT MULE	2 nd week of January	Admin Dashboard Doctor Dashboard Main Dashboard Patient Details
3.	PRATHAMESH NAIK	3 rd week of January	E-Mail sender Data-Base
4.	JEMIN BHANUSHALI	By the end of the march	Connection to Data-Base Implementation Done successfully

CHAPTER 8

CONCLUSION:

Our project is only a humble venture to satisfy the needs to manage their project work. Several user-friendly coding has also adopted. This package shall prove to be a powerful package in satisfying all the requirements of the school. The objective of software planning is to provide a frame work that enables the Teacher's to make reasonable estimates made within a limited time frame at the beginning of the software project.

REFERENCES:

PYTHON REFERENCE BOOK

INTERNET

ACKNOWLEDGEMENT:

This project would not have come to fruition without the invaluable help of our guide Prof. Shital Agarwal. Expressing gratitude towards our HOD, Prof. Kiran Deshpande, and the Department of Information Technology for providing us with the opportunity as well as the support required to pursue this project. We would also like to thank our teacher Ms Rujata Chaudhari who gave us her valuable suggestions and ideas when we were in need of them. We would also like to thank our peers for their helpful suggestions