A
Synopsis Report on

CLINIC MANAGEMENT SYSTEM
For the course of Engineering Mathematics-IIIIN

INFORMATION TECHNOLOGY

<u>**BY**</u>

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CERTIFICATE

This is to certify that the Mini Project report on CLINIC MANAGEMENT SYSTEM has been submitted by <u>AVINASH ANDHALE (20104138)</u>, <u>PRATHAMESH NAIK</u> <u>(20104061)</u>, <u>VISHNUKANT MULE</u> <u>(20104065)</u> and <u>JEMIN BHANUSHALI</u> <u>(20104109)</u>, 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.

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

Date:

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ACKNOWLEDGEMENT:

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:

- It is also very useful for the Doctor's for viewing patient's 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.

- 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:

PROBLEM STATEMENT:

- CLINIC MANAGEMENT SYSTEM
- A system to manage all the activities of a Clinic
- Patients request for appointment for any Doctor.
- The details of patients are retrieved by the system
- New patients update their detail in the system before they request for any appointment, through filling up the new patient registration form.
- The patient can book the appointment slot as per the free slots availability on the own in the system.

CHAPTER 3:

PROPOSED SYSTEM:

Clinic Management System

Admin Login

Admin can login through its Provided ID & Password,

Admin have access to check the Total number of Entries &Booked Appointments & scheduled of Specified Doctor.

Patient Registration

Patient has to fill registration form,

After Registration He/ She will getting a OTP for verification via mail, then he/she can Book an appointment with according to the Doctor they need.

Doctor Login

Doctors can login through their specific ID & password, can see the Total number of appointment & the patient details scheduled as the day

Doctor Details

Total four Doctors are working in the clinic

Patients can See the doctor details, Qualification & their Experience + specialization's

Fig no. 3.1 Proposed System

CHAPTER 4:

FEATURES AND FUNCTIONALITY:

- Reliability

- Security

- Maintainability

- Accuracy

- The patient records are stored in a digital form which is saved on to the serves 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 5:

SOFTWARE REQUIREMENTS:

▶ Operating system: Support all Windows server.

▶ Front End: PyCharm (tkinker), Html, G-MAIL.

▶ Back end: Wamp server, MySQL.

CHAPTER 6:

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
- Contact Details
- Clinic Details
- Developers Details
- Validation Message pop-up

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

Fig no. 6.1 MAIN DASHBOARD

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
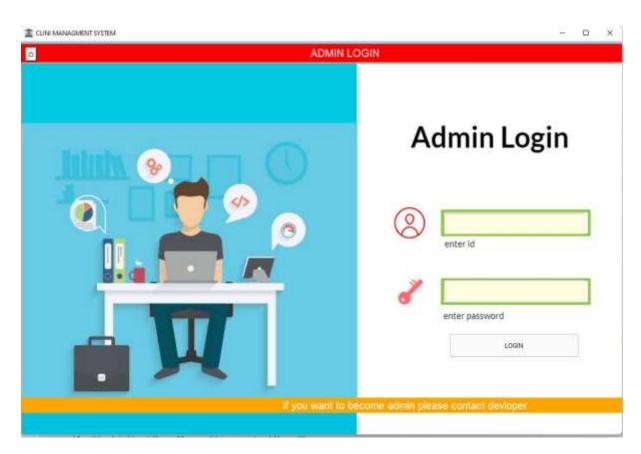- From here the Admin can Login into his/her account

Fig no.6.2 Admin Login

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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)

Fig no.6.3 Admin Dashboard

Patient Registration Form:

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

Fig no.6.4 Patient Registration 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

Fig no. 6.5 Email Confirmation

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Appointment Booking:

- Here the patient can select the doctor
- Select the Day, Month and Year
- Press the Book Appointment Button

Fig no. 6.6 Appointment Booking

Doctor Details:

- Here the user can view all the details of the doctors
- Press the Name Button placed under each photograph the doctor
- Details Contents: Name, Specializations, Qualifications, Experience, awards claimed.
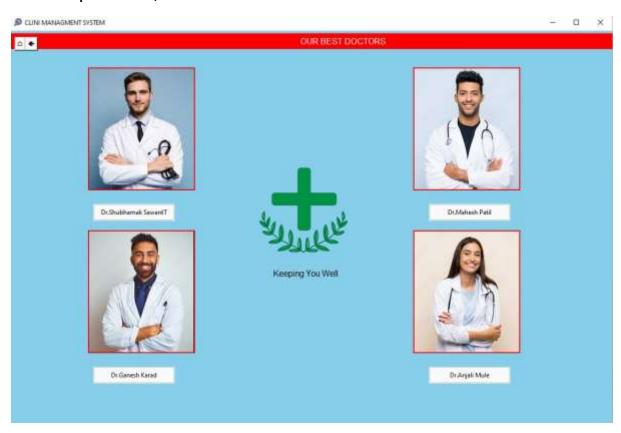

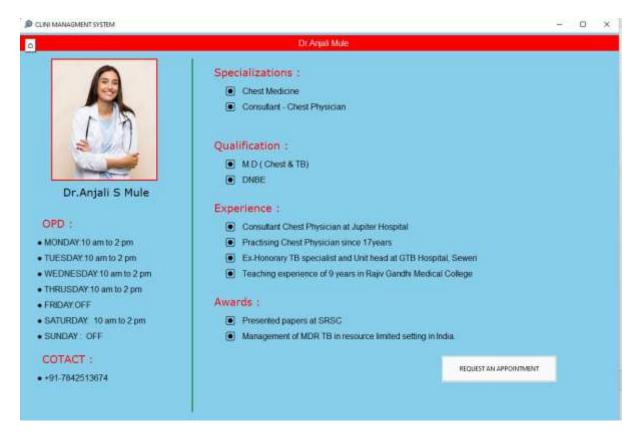
Fig no. 6.7: Doctor Details

Doctor 1:

Dr. Anjali S Mule

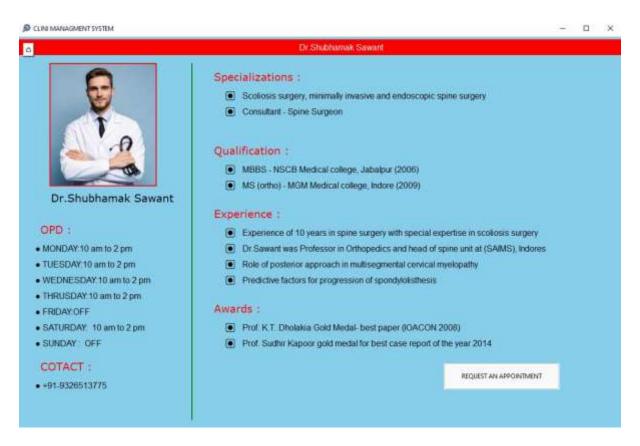Fig no. 6.8: Doctor 1

Doctor 2:

Dr. Shubhamak Sawant

Fig no. 6.9 Doctor 2

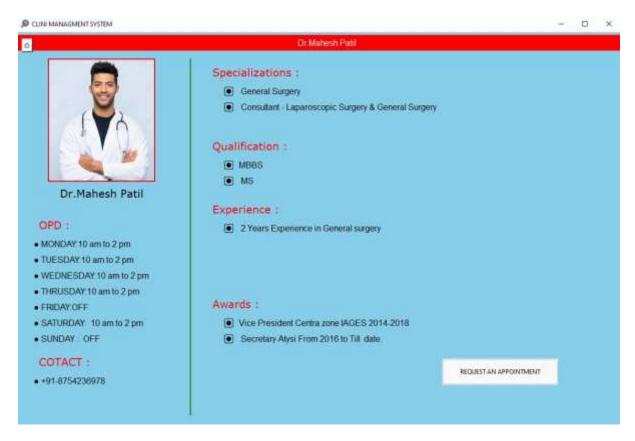[21]

Doctor 3:

Dr. Mahesh Patil

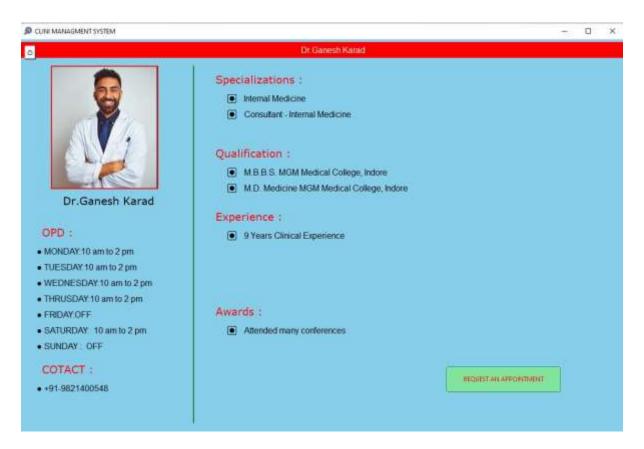
Fig no. 6.10 Doctor 3

Doctor 4:

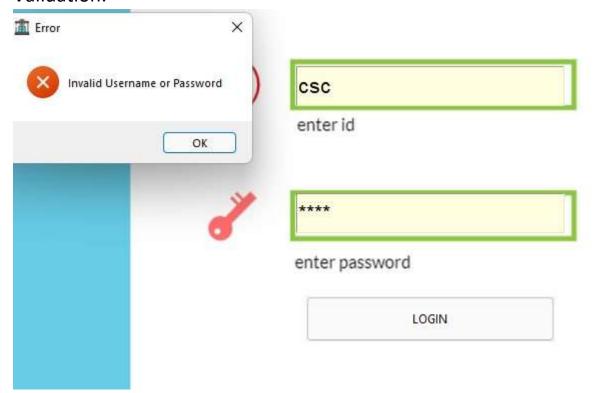Dr. Ganesh Karad

Fig no. 6.11 Doctor 4
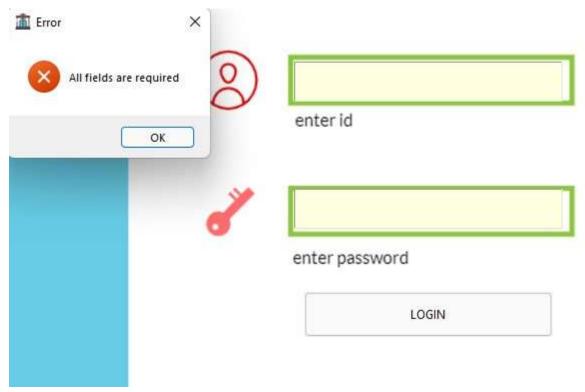
Validation:

Fig no. 6.12 Invalid Content Message pop-up

Fig no. 6.13 All information required for login Message pop-up

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Clinic Details:

Here the Whole details of the clinic is mentioned on this page.

The User can Easily know about the details regarding clinic & it's management.
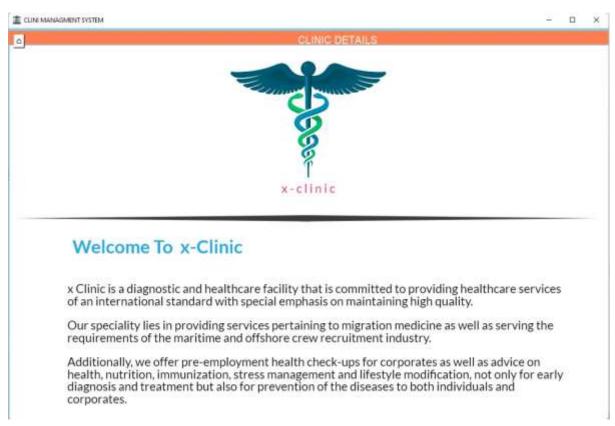

Fig no. 6.14 Clinic Details

Contact Details:

Here the User can Get All the Contact details of the following mentioned below:

- Clinic Contact Number
- Receptionist's Number
- Emergency Contact
- Customer care contact
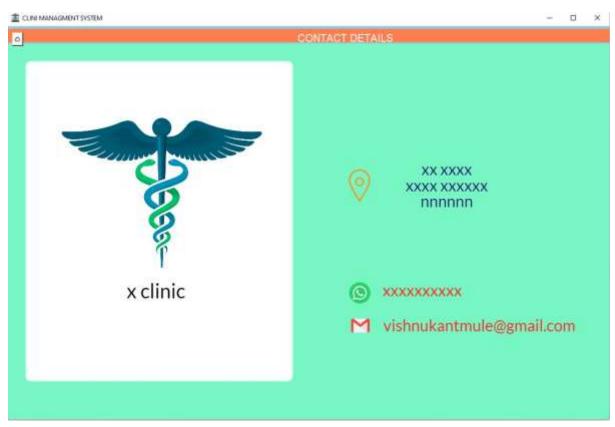- Etc (related to clinic)

Fig no. 6.15 Contact Details

Developer's Details:

Here the User can get the Details of the System/Software Developers who all builded these Clinic Management System.

1) Avinash Andhale
2) Vishnukant Mule
3) Prathamesh Naik
4) Jemin Bhanushali

Fig no. 6.16 Developer's Details

CHAPTER 7

PROJECT SCHEDULING:

SR no.	Group Member	Time Duration	Work Done
1.	AVINASH ANDHALE	1st week of January	Patient Registration page Doctor login page Admin Login page
2.	VISHNUKANT MULE	2nd week of January	Admin Dashboard Doctor Dashboard Main Dashboard Patient Details
3.	PRATHAMESH NAIK	3rd 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