

# **PROJECT REPORT**

**TOPIC : HOSPITAL MANAGEMENT SYSTEM**

**COURSE NAME : PYTHON PROGRAMMING**

**COURSE CODE : INT213**

**Submitted By :**

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**Program:** B.Tech (CSE)

**Semester:** Third

**School:** School of Computer Science  
and Engineering

**Date of Submission :** 15<sup>th</sup> November, 2021

**Submitted to :** Dr. Sukhvir Kaur



**L** OVELY  
**P** ROFESSIONAL  
**U** NIVERSITY

## **DECLARATION**

We, the students of section **K20KR , Group B**,  
hereby declare that the project work entitled  
**“HOSPITAL MANAGEMENT SYSTEM ”** is an authentic  
record of our own work carried out as requirements of  
**INT213 : PYTHON PROGRAMMING** Project under the  
guidance of our instructor Dr. SUKHVIR KAUR , during  
the academic year 2021-22. All the information  
furnished in our project report is based on our own  
intensive work and is genuine.

**Group No. : 8(B)**

**Name of Student 1:** .....Amandeep.....

**Registration Number:** .....12002654.....

**Name of Student 2:** ..... Dinesh Kumar.....

**Registration Number:** .....12011631.....

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# **HOSPITAL MANAGEMENT SYSTEM**

## **ABSTRACT: -**

This project's Hospital Management system includes registration of patients, storing their details into the system, and computerized their appointment. The software has the facility to give a unique id for every patient and stores the clinical details of every patient and hospital tests done automatically. It includes a search facility to know the status of each patient. Users can search the details of a patient using the id. The Hospital Management System can be entered using a username and password. It is accessible either by an administrator or receptionist. Only they can add data into the database. The data can be retrieved easily. The interface is very user-friendly. The data are well protected for personal use and make the data processing very fast.

## **ACKNOWLEDGEMENT: -**

I would like to express my sincere thanks to my course coordinator **DR. SUKHVIR KAUR** for her advice and inputs on this project. Many thanks to my friends and seniors as well, who spent countless hours to listen and provide feedbacks. I would like to express my gratitude towards my parents and my group members for their kind co-operation and encouragement which help me in completion of this project.

## **INTRODUCTION: -**

### **1.1 Context:**

This project has been done as part of my curriculum for the course code INT213 : Python Programming under the guidance of our course coordinator Dr. Sukhvir Kaur. It took almost 15 days to complete our project to the fullest.

### **1.2 Motivation:**

Being extremely interested in everything having a relation with the Python Programming, the group project was a great occasion to give us the time to learn and confirm our interest for this field. The fact that we can make estimations, predictions and give the ability for machines to learn by themselves is both powerful and limitless in term of application possibilities. We can use python programming in Finance, gaming and almost everywhere.

### **1.3 Idea:**

As a first experience, we wanted to make our project as much didactic as possible by approaching every different step of the python programming and trying to understand them deeply. We also referred to various you tube video and took the idea how they have designed the pages.

# **Role of Group Members**

**A. Name : Amandeep**

**Work Done :**

1. Login Page
2. Home Page
3. Doctor Dashboard Page
4. Doctor Specification Page

**B. Name : Dinesh Kumar**

**Work Done :**

1. Patient Page
2. Appointment Page
3. Project Report

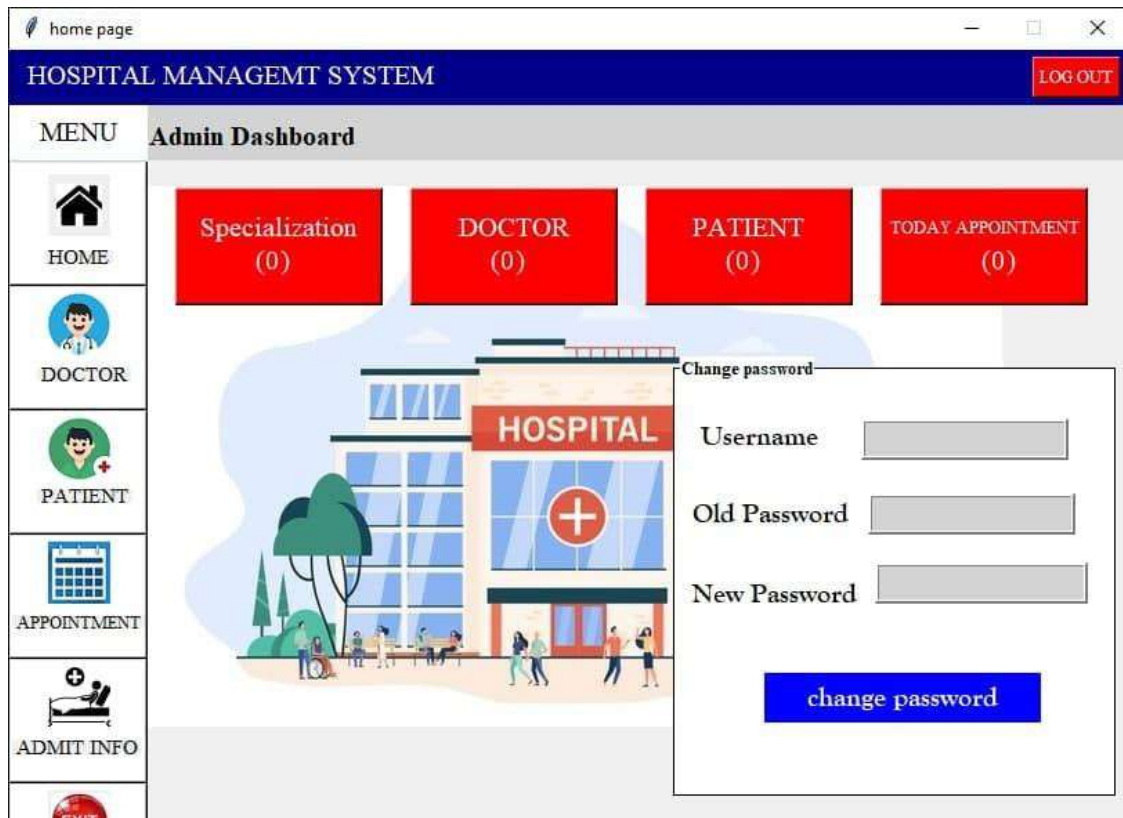
## **Screenshots: -**

### **Login page: -**



A login page through which a user can enter into the site by entering username and password and access different option from home page. If User forget their password, they can get new password from forget password option. Through this page patient and doctor also can visit their respective page through logging into it.

## Home page: -



A home page is the main web page of a website. From home page admin/user can get all the information about hospital management, simply admin/user can know about doctor's and their specializations as well as patients' detail can be found on the home page. Number of appointments is also accessible to the user.

If user want to change their respective password, they can directly change their password from home page.

If user want to log out then simply click on log out button top right side.

Or they can simply click on the EXIT button on the bottom left side.



## Doctor dashboard: -

The screenshot shows a web application titled "HOSPITAL MANAGEMT SYSTEM". The "Doctor Dashboard" is active, with sub-tabs for "Manage Specialization" and "Manage Doctor".

**Left Sidebar Menu:**

- HOME (Home icon)
- DOCTOR (Doctor icon)
- PATIENT (Patient icon)
- APPOINTMENT (Calendar icon)
- ADMIT INFO (Hospital bed icon)

**Doctor Dashboard Content:**

**Add Doctor Section:**

- specialization:
- Name:
- Consultancy Fees:
- Contact No.:
- Email:
- Address:
- Buttons: Add (blue), Update (green), Clear (orange), Delete (purple)

**Doctor Details Section:**

- Search bar: Enter Doctor Name  Search
- Table with columns: ID, specialization, Doctor name, Address, Fee, Contact No, Email

In Doctor dashboard, user can insert doctor's detail like their specification, consultancy fees, contact numbers, email id and address also add, Update, Clear and Delete option are also present.

If any user wants find any doctor detail simply they can enter the name and click on the search button after that can find doctor's ID, specification, Doctor name , Address , fees, Contact no. and Email id.

## Doctor Specification: -

The screenshot displays a web application titled "HOSPITAL MANAGEMT SYSTEM". The interface includes a sidebar menu with options: HOME, DOCTOR, PATIENT, APPOINTMENT, ADMIT INFO, and EXIT. The main content area is divided into two tabs: "Doctor Dashboard" (active) and "Manage Doctor".

**Doctor Dashboard**

Enter Doctor Specialization

Buttons: Add, Update, Clear, Delete

**All Specialization**

Search:  Search Show All

ID	specialization	creation date
1	dentist	2021-11-09 11:17:17
2	operation	2021-11-09 15:10:33
3	ortho	2021-11-09 11:35:58
4	physio	2021-11-09 11:36:52
5	surgeon	2021-11-09 10:46:12

In this page user can add doctor specialization like if they are dentist, surgeon, orthopaedic surgeon etc. And also, if any user want search about any doctor specialization, they search it from the right side of the page and get their detail.

## Patient Page: -

login systemm

**HOSPITAL MANAGEMT SYSTEM**

**MENU**

**Manage Patient**

**Patient Details**

Patient Name

Gender

D.O.B

Contact No.

Email

Address

**Appoint Doctor**

Symptoms

Select to appoint doctor

Enter Date (DD/MM/YYYY)

Enter Time (HH/MM/SS)

**Patient Details**

Enter Patient Name

ID	Patient Name	Gender	DOB	Contact	Email	Address	Symptoms	Specificat	Doctor	Apt Date	Apt
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In this page we can add the details of the patient like their name, gender, Date of birth, contact number, email id and address. In this same page User can know about the appointed doctor by telling his symptoms and we can add date and time for the patient.

Details of the user can be seen below the page after entering their name with their id, name, Gender, DOB, Contact, Email, Address, Symptoms, Specificat, appointment date .

## Appointment page: -

login systemm

**HOSPITAL MANAGEMT SYSTEM**

MENU **Patient | Appointment History**

HOME

DOCTOR

PATIENT

APPOINTMENT

ADMIT INFO

Search Appointment

Patient Name:

Appointment Menu

Patient ID	Patient Name	Gender	Patient Contact	Symptoms	Specification	Doctor	Apt Date	Apt Time
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In this page we can simply type the patient's name and search it and we can find everything about that patient.

In Appointment Menu user can find about today's appointment, all appointment of the patient and clear or delete the history of the appointments.

# REFERENCES

## 1. Google

<https://itsourcecode.com>

[Python Programming Language - GeeksforGeeks](#)

<https://www.w3schools.com/python/>

## 2. YouTube

*Thank you*