



ISSN: 2454-9940



**INTERNATIONAL JOURNAL OF APPLIED
SCIENCE ENGINEERING AND MANAGEMENT**

E-Mail :
editor.ijasem@gmail.com
editor@ijasem.org

www.ijasem.org

Doctor appointment system with python and Django

Dr. P. EPBISA, Department Of IT, SICET, Hyderabad

KALAKONDA SRIKANTH, POOSA ARJUN, BALDURI KAVYA, NARAPOLU NAGESH

UG Student, Department Of IT, SICET, Hyderabad

ABSTRACT

The purpose of the project entitled “Hospital Management System in Django” is to computerize the Front workplace Management of a Hospital to develop a software package that is user-friendly easy, fast, and value-effective. It deals with the gathering of patient’s info, identification details, etc. historically, it had been done manually. the most operate of the system is to register and store patient details and doctor details and retrieve these details as and once needed, and conjointly to control these details meaningfully System input contains patient details, and identification details, whereas system output is to induce these details on to the screen. The Hospital Management System will be entered by employing a username and countersign. it's accessible either by an associate degree administrator or secretary. solely they'll add knowledge into the info. the information will be retrieved simply. the information square measure is well protected for private use and makes the information process in no time.

I. INTRODUCTION

The project Hospital Management system includes registration of patients, storing their details into the system, and conjointly computerized asking within the pharmacy, and labs. The software package can present a novel id for each patient and stores the small print of each patient and the employees mechanically. It includes a groundwork facility to understand the standing of every area. Users will search the convenience of a doctor and also the details of patient victimization the id. The Hospital Management System will be entered by employing a username and countersign. it's accessible either by an associate degree administrator or secretary. solely they'll add knowledge into the info. the information will be retrieved simply. The interface is extremely easy. the information square measure is well protected for private use and makes the information process in no time. Hospital Management System is powerful, flexible, and simple to use and is meant and developed to deliver real conceivable advantages to hospitals.

II. IMPLEMENTATION

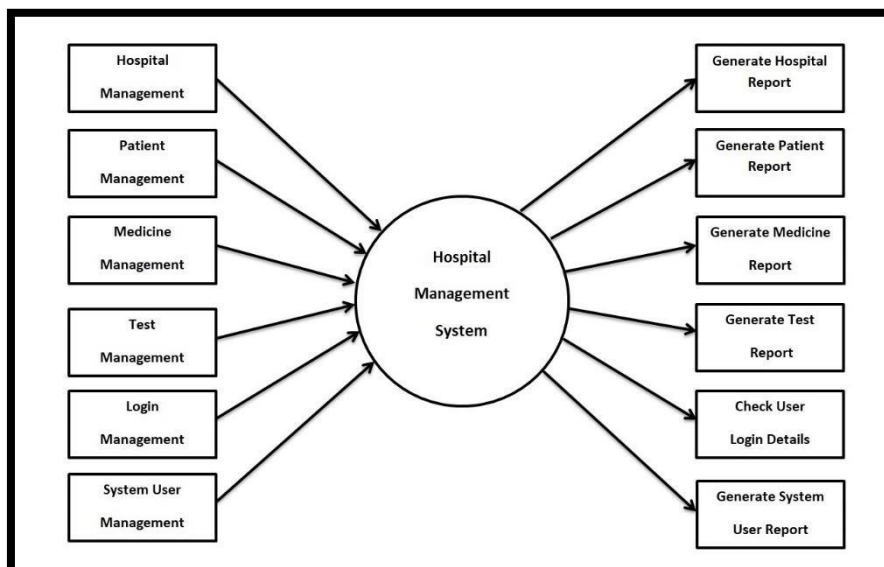
Implementation is the stage of the project once the theoretical style is clad into an operating system. so it will be thought of to be the foremost crucial stage in achieving a successful new system and in giving the user, confidence that the new system can work and be effective. The implementation stage involves careful designing, investigation of the prevailing system and its constraints on implementation, planning of ways to attain transformation, and analysis of transformation ways.

III. ANALYSIS

Hospitals presently use a manual system for the management and maintenance of crucial info. this system needs varied paper forms, with knowledge stores unfolding throughout the hospital management infrastructure. typically info is incomplete or doesn't follow management standards. Forms square measure typically lost in transit between departments requiring a comprehensive auditing method to make sure that no very important info is lost. Multiple copies of constant info exist within the hospital and will cause inconsistencies in knowledge in varied knowledge stores. The Hospital Management System is meant for any hospital to interchange their existing manual paper-based mostly system. The new system is to manage the knowledge of patients. area convenience, employees and operating theatre schedules, and patient invoices. These services square measured to be provided in an associate degree economical, value-effective manner, with the goal of reducing the time and resources presently needed for such tasks. The feasibility of the project is analyzed during this section and a business proposal is placed forth with a really general arrangement for the

project and a few value estimates. throughout system analysis, the feasibleness study of the planned system is to be disbursed. this can be to make sure that the planned system isn't a burden to the corporate.

IV. DESIGN



- **SYSTEM DESIGN:** The current manual system has a lot of paperwork. To maintain the records of sales and services manually is a time-consuming task. With the increase in databases, it will become a massive task to maintain the database. Requires large quantities of file cabinets, which are huge and require quite a bit of space in the office, which can be used for storing records of previous details. The retrieval of records of previously registered patients will be a tedious task. Lack of security for the records, anyone disarranges the records of your system. If someone wants to check the details of the available doctors the previous system does not provide any necessary detail of this type.
- This application will help users to access and view all their reports from anywhere online. An element of bias might have crept in from the side of the official interviewed. This could also have resulted in some kind of modification of the information divulged. In an attempt to collect information from the best possible source in the company, it was difficult to meet the top officials due to their busy schedules. Most of the analyses and interpretations, made for this report, are based on secondary data obtained. This data could have some inherent mistakes and errors. Finally, although due care has been taken those can be typing and compilation errors in the report itself. The tasks specified were not well defined because nothing was mentioned regarding validations in the project.

V. SYSTEM IMPLEMENTATION

IMPLEMENTATION is the stage of the project when the theoretical design is turned out into a working system. Thus it can be considered to be the most critical stage in achieving a successful new system and in giving the user, confidence that the new system will work and be effective. The implementation stage involves careful planning, investigation of the existing system and its constraints on implementation, designing of methods to achieve changeover, and evaluation of changeover methods.

VI. RESULT

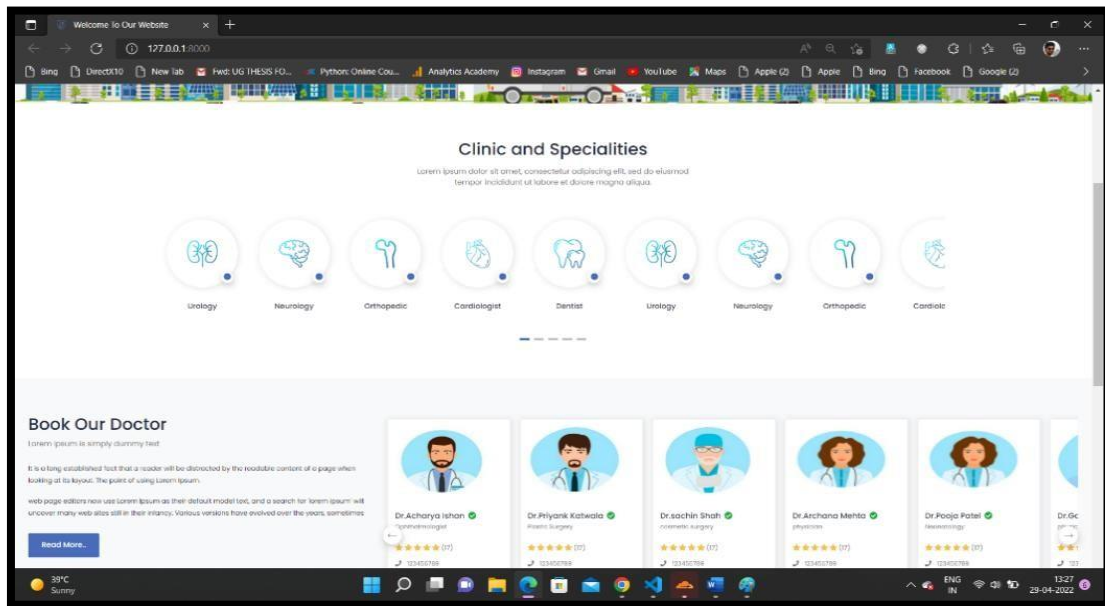


Fig. 1 Home Page

On the home page the user will see the registration form. The user needs to provide details like name, age, address, contact no, email id and set the password. Then we need to use user name and password for further access

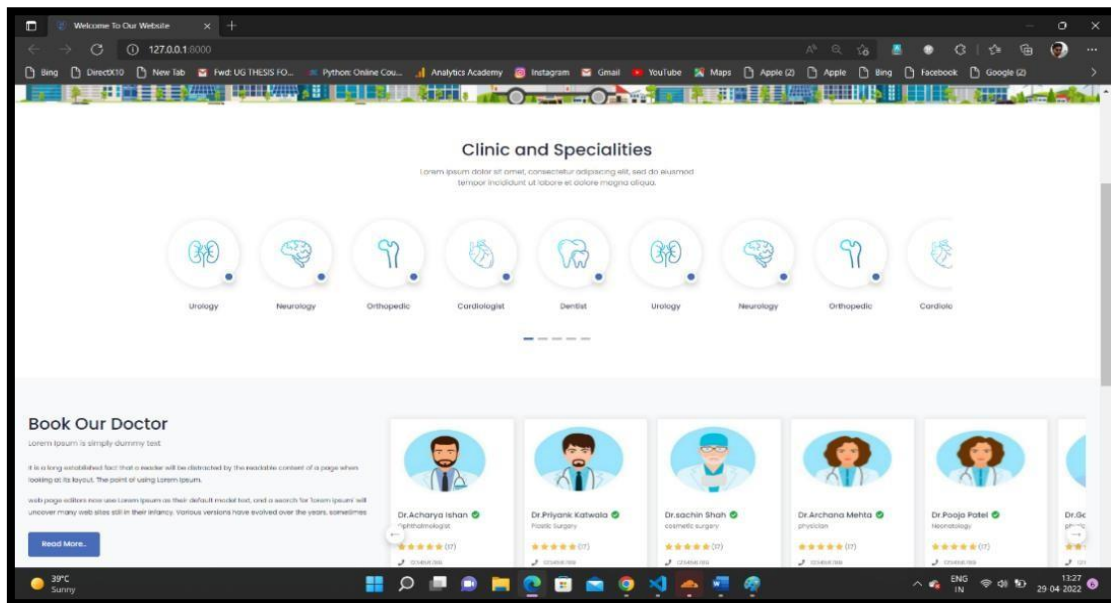


Fig. 2 Hospital Specialties Page :

Here users get to log in with the registered credentials and then move to an interface where available doctors are shown.

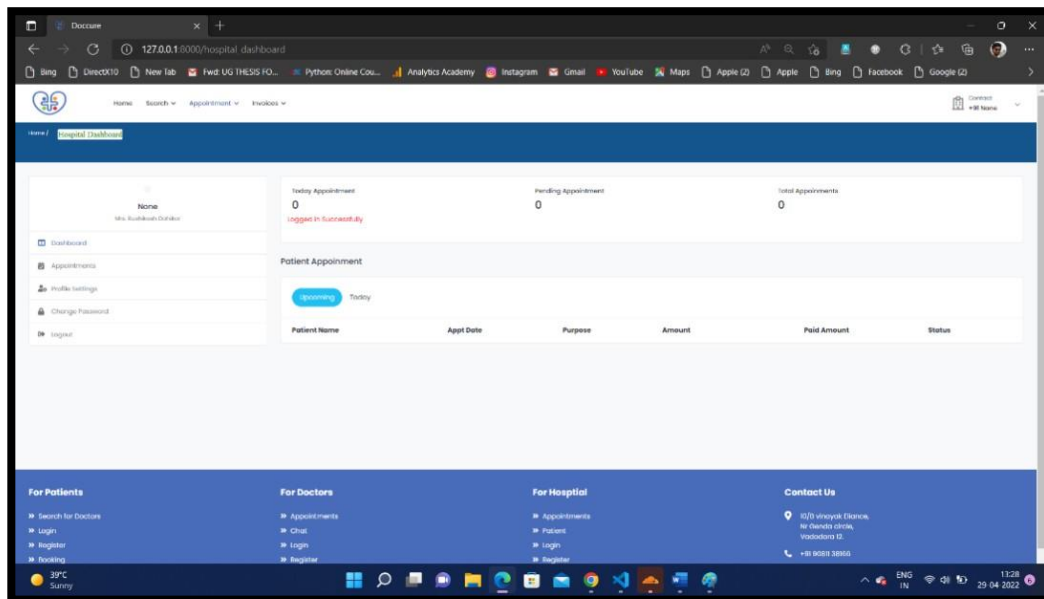


Fig. 3 Available Features in Clinic Page

The client page is specially define to facilitate all task that require to be done or attempted by the patient user

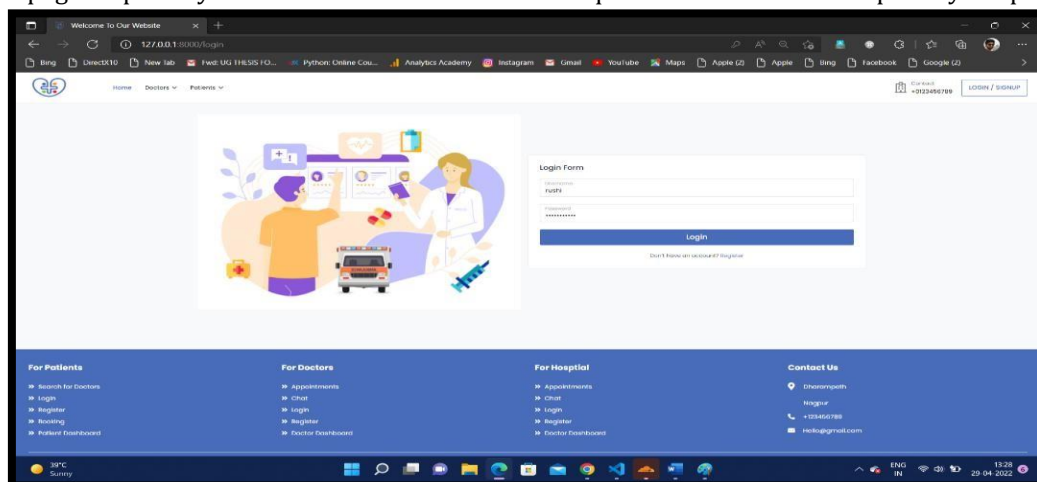


Fig. 4 Administrators Dashboard Page

The admin panel is specially define to facilitate all task that require to be done or attempted by the patient user

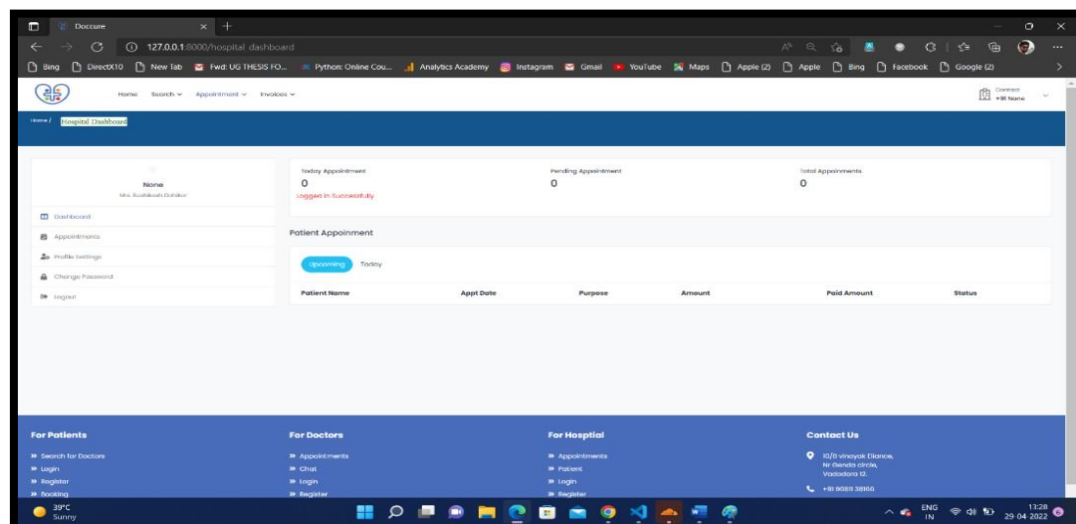


Fig. 5 Doctor List Page

Here user get to login first and then move to an interface where doctor place are shown.

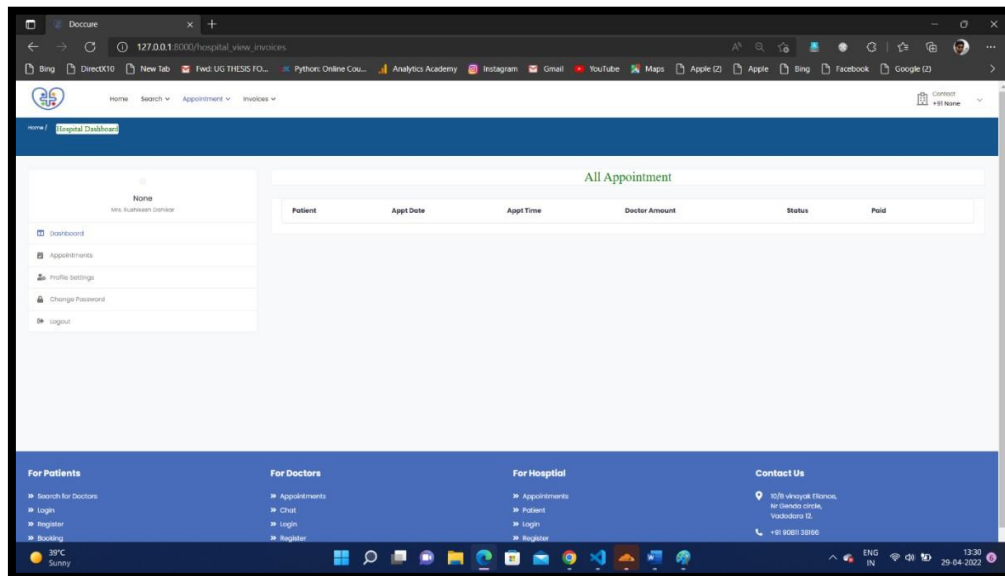


Fig.6 Appointments Page

Here Doctor can check the all appointments.

VII. CONCLUSION

This study was conducted to develop and implement a Hospital Management System built using Django. The developed project was presented to the respondents and target end-users for evaluation and assessment. The result of the study showed that the developed system meets the needs and requirements of the end-users and respondents. The respondents rated the system satisfactorily in terms of acceptability, effectiveness, quality, and productivity in automating hospital management. Hence, the researchers concluded that the developed system is efficient in automating hospital management. The system will eliminate all manual errors, effectively manage hospital operations, and improve patient satisfaction by providing quality healthcare and other advantages. The system will improve the overall hospital's functioning.

VIII. REFERENCES

- [1] Herbert Scheldt, Java Complete Reference, Fifth Edition, Tata McGraw Hill Edition.
- [2] Phil Hanna, JSP 2.0: The Complete Reference, Tata McGraw Hill Edition, 2003.
- [3] Elmar and Navathe, Fundamentals of Database System (Third Edition), Addison Wesley.
- [4] Ian Somerville, Software Engineering, Third Edition, Pearson Education.
- [5] Ali Bahrami, Object-Oriented System Development, Third Edition, Tata McGraw Hill Edition.
- [6] Ivan Bayross, SQL, PL/SQL programming language of Oracle, Second Edition, BPB Publication.