ABSTRACT

Hospital Management System is an organized computerized system designed and programmed to deal with day-to-day operations and management of the hospital activities. The purpose of the project "**Hospital Management System**" is to computerize the front office management of hospital to develop software which is user friendly simple, fast and cost-effective. The main function of the system is approving the appointment placed by the patients and store their details, doctor details, and retrieve these details as and when required, also to manipulate these details meaningfully. Hospital Management System follows a authentication based system in which only the registered user can access the system. The system is built so to protect the user data and information.

ANISHA NEOPANEY (20IT103022)

MCA IV SEMESTER

TABLE OF CONTENTS

No	Title	Page No
	Declaration	
	Certification of Acceptance	
	Bonafide Certificate	
	Acknowledgement	
	Internship Certificate	
	Abstract	
	List of Figures	
1	**Chapter 1 Introduction**	1-2
1.1	Overview	1
1.2	Company Profile	2
1.3	Training Undergone	2
2	**Chapter 2 Literature Review**	3-4
2.1	Introduction	3
2.2	Existing Systems	3
2.2.1	Developing Effective Hospital Management Information Systems. Dr. Christopher Bain MBBS (2019).	3

2.2.2	A hospital resource and patient management system, Musa, A. Lancashire UK (2015).	3
2.3	Problem Definition	4
2.4	Objective	4
3	**Chapter 3 Methodology**	5-9
3.1	Introduction	5
3.2	Architectural Diagram	5
3.3	Use Case Diagram	6
3.4	Introduction to Tools used in Project	7-9
4.	**Chapter 4 Result & Discussion**	10-50
4.1	Result	10-49
4.2	Conclusion	50
4.3	Future Scope	50
5.	**Chapter 6 Reference**	51

LIST OF FIGURES

No	Title	Page No
1.	Architectural Diagram	5
2.	Use Case Diagram	6
3.	Apache Server Monitor	9
4.	Homepage for patient	10
5.	Doctors Page	10
6.	About Us	11
7.	Feedback Form	11
8	Review	12
9.	Registration	12
10.	Login	13
11.	Appointment Booking	13
12.	Admin login page	14
13.	Admin dashboard	14
14	Add Doctor	15
15.	Add Staff	15
16.	Doctor Login Page	16
17.	Doctor Dashboard	16
18.	Staff Login Page	17
19.	Staff Dashboard	17

20.	Doctor List	18
21.	Appointment List	18
22.	Approved Patient List	19
23.	Admit Patient	19

CHAPTER: 1

INTRODUCTION

1.1 overview

The project Hospital Management system includes appointment booking, registration of

patients, doctor, and storing their details into the system. The software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. The project can be entered using a username and password. Where User can search various services available, Book appointment, view doctor details and Doctor can view their appointments and patient detail using their id. It is accessible either by an admin or staff. Only they can add data into the database. The data can be retrieved easily. The interface is very user-friendly. Hospital Management System is Powerful, Flexible and easy to use and is designed and developed to deliver real conceivable benefits to hospitals, clinics tec.

This system has four modules.

- Admin
- Staff
- Doctor

- Patient

1.2 Company Profile

Sikharthy Infotech Private Limited is the best Web Development Company in Kolkata. We provide Website Development, Website Designing, Content Development, and Digital Marketing services in Kolkata. Sikharthy Infotech has a dedicated and highly-skilled team of resources for all kinds of assistance.

Sikharthy Infotech Private Limited has a Skill Development wing where students and freshers are getting skilled to join the IT sector. Today, many of our trained candidates are working with different MNCs like TCS, CTS, ITC Infotech, and many more.

We aim to:

- Build you perfect for Corporate World
- Make you capable to handle the regular work flow of client
- Fulfill the difference between theoretical knowledge and practical knowledge

1.3 Training Undergone

- Learned to use Bootstrap, PHP MySQL.
- Researched how to access database using Code-Igniter 3 ○ Researched how to manage the patient's appointment.
- Researched how staff handles both doctor and patients.

CHAPTER:2

LITERETURE REVIEW

2.1 Introduction

An extremely important area which is the backbone for any research as it provides the entire information pertaining to the problem and objectives. Reviews consisting to antecedents of the App pertaining to the trust of customer and the digital mode of retention of flow in digital era service quality, customer trust, satisfaction, and commitment in Digital mediating to customer retention.

2.2 Existing Systems

2.2.1. Developing Effective Hospital Management Information Systems. Dr. Christopher Bain MBBS (2019).

Methodology:

It focusses on Technology Ecosystem Perspective and the needs of hospital manager and the ecosystem in which he/she operates.

Problems:

These paper highlights the internal and external environment shaping factor ESF's that bear an impact on daily hospital activities and decision-making process that the hospital manager has to go through in each situation.

2.2.2 A hospital resource and patient management system, Musa, A. Lancashire UK (2015).

Methodology:

Based on real time data capture facilitates real time tracking of hospital assets, patient as they move through pre ser procedures as part of daily activities of the hospitals.

Problems:

This paper highlights limitations of existing systems and proposes a RFID (Radio Frequency ID) and wireless sensor based, location and information management framework

CHAPTER:3

METHODOLOGY

3.1 Introduction

Systems are designed keeping in mind an issue that is to be solved. Every system is designed in its unique keeping in mind the requirement of the problem or the issue. Our system solves the problem of searching for the good that the customer's needs.

System design involves the design of overall architecture, based on which we design components, modules and interfaces. The beginning of any system architecture is by decomposing it into smaller fragments. Decomposition and binding of components makes the architecture easy to understand and makes it easier to understand.

Our system uses algorithm for collecting data which will collect the data of user and we have data analysing algorithm which will analyse and highlight the needs of user.

3.2 ARCHITECTURE DIAGRAM

An architectural diagram is a diagram of a system that is used to abstract the overall outline of the software system and the relationships, constraints, and boundaries between components. It is an important tool as it provides an overall view of the physical deployment of the software system and its evolution roadmap.

```
$('.facility').magnificPopu
p({                delegate:'a',
type:'image',
   gallery:{
enabled:true
   }
 });
});
</script>
</body>
</html>
```

4.6 Conclusion

I have successfully designed and developed webpage, which is demonstrated in the way so that all the patients can make their appointment after that staff will align it and make for n appointment patient according to doctor schedule. The system was implemented using webbased technologies which include CSS, JS, Bootstrap, HTML, MySQL and PHP.

The project can be entered using a username and password. Where User can search various services available, Book appointment, view doctor details and Doctor can view their appointments and patient detail using their id. It is accessible either by an admin or staff. Only they can add data into the database. The data can be retrieved easily. The interface is very user-friendly. Hospital