POLLUTIONCONTROLSYSTEM

MAJOR PROJECT REPORT

Submitted By:

Mohan Prasad Sharma (DCOM -00265-018)

Dibyanshu Kr. Jaiswal (DCOM -00255-018)

Abid Ansari (DCOM -00247-018)

Kushum Patel (DCOM -00262-018)

Muskan Yadav (DCOM -00266-018)

Under the Guidance

Of

ER. Anish Ansari

(Lecturer)

(Project Guide)

In partial fulfillment for the award of the degree

Of

DIPLOMAINCOMPUTERENGINEERING

BIRGUNJ INSTITUTE OF TECHNOLOGY

BIRGUNJINSTITUTEOFTECHNOLOGY

(Affiliated to council for technical Education and Vocational Training)

Birgunj, Parsa, Nepal

DEPARTMENT OF COMPUTER ENGINEERING(2022)

Certificate

This is to certified that a benefits record of the project work titled "Pollution Control System" is being submitted by

Dibyanshu Kr. Jaiswal	(DCOM -00255-018)
Mohan Prasad Sharma	(DCOM -00265-018)
Abid Ansari	(DCOM -00247-018)
Kushum Patel	(DCOM -00262-018)
Muskan Yadav	(DCOM -00266-018)

of 6th semester Diploma in Computer Engineering in the year 2078 in the partial fulfillment of the requirements for the award of Degree of Diploma in Computer Engineering of BIRGUNJ INSTITUTE OF TECHNOLOGY (BIT).

……..….	……..…...…….
Er. Raghib Hossain	Er. Anish Ansari
(Acting Principal)	(Internal Guide)
……..….	……..…...…….
Er. Sarita Jaiswal	(External)
(HoD of DCOM)	

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ABSTRACT

The "**pollution control system"** is design to control the pollution by the help of different people from different places. In this system people can report the condition of their area and also can be sharable in social media and can give suggestion to control the pollution of their area.

The objective of our pollution control system is to control the all pollution problem of different area by the help of people. The main facilities that are provided by our system is all the people can easily involve in our system and can make their area pollution free. The people can also send the condition of their area by clicking photos and we will quickly response. For this facilities people must have mobile phones and internet and few knowledge to operate.

For this facilities people doesn't have to pay anything this is free for everyone. People need to only register and fill up there details. People can also login from Facebook, Instagram, Gmail. And can be also sharable on social media directly from our website.

For this project we use php laravel version 5.8 because the best advantage of using the laravel framework is that it follow – Model, View, and Controller – based architecture pattern and it has an expressive beautiful syntax which makes it object oriented.

Team's Nam	**Team's Member**	
**********	Mohan Pd. Sharma	(DCOM-00265-018)
	Dibyanshu kr. Jaiswal	(DCOM-00255-018)
	Kushum Patel	(DCOM-00262-018)
	Abid Ansari	(DCOM-00247-018)
	Muskan yadav	(DCOM-00265-018)

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PROJECT DEVELOPED BY

Mohan Pd. Sharma (DCOM-OO265-018)
Dibyanshu kr. Jaiswal (DCOM-00255-018)
Kushum Patel (DCOM-00262-018)
Abid Ansari (DCOM-00247-018)
Muskan yadav (DCOM-00265-018)

INTRODUCTION

POLLUTION CONTROL SYSTEM

1.1 INTRODUCTION

"pollution control system" is a computerized based system. pollution control system is design to control the pollution by the help of different people from different places. In this system people can report the condition of their area and also can be shareable in social media and can give suggestion to control the pollution of their area.

The objective of our pollution control system is to control the all pollution problem of different area by the help of people. The main facilities that are provided by our system is all the people can easily involve in our system and can make their area pollution free. The people can also send the condition of their area by clicking photos and we will quickly response. For this facilities people must have mobile phones and internet and few knowledge to operate.

ADVANTAGES

1. This system provides all the details of Pollution control system.
2. This system is basically designed fer the fast storage and retrival of data related to this system.
3. This system provides the user manual which makes easy to operate the system.
4. The main purpose of this system is to make a complete online system to maintain all the operation that perform in the pollution control system.
5. It provide quicker and up to date information in online manner.
6. It is user friendly system.

1.2 OBJECTIVES

1. The objective of our pollution control system is to control the all pollution problem of different area by the help of people.
2. The main objective of developing this Project on “Pollution Control System” is to minimize the risk factor of society which is caused to be prevented for the growth of the society.
3. To develop a web based application (web site).
4. To maintain all the operation of pollution control system.
5. The purpose of the project is to build an application program to reduce the problems in a living beings.

1.3 GOALS

7. To reduce the time and make fastest system.
8. Fast storage and retrieval of the data.
9. High security
10. For the proper management.
11. To control pollution

1.4 PHP

PHP is a server-side scripting language designed for web development but also used as a general purpose programming language. PHP is now installed on more than 244 million website and 2.1 million web servers. Originally created by Rasmus Lerdorf in 1995, the reference implementation of PHP is now produced by The PHP Group. While PHP originally stood for Personal Home Page, it now stands for PHP; Hypertext Preprocessor, a recursive acronym. PHP code is interpreted by a web server with a PHP processor module, which generates the resulting web page: PHP commands can be embedded directly into an HTML source document. It has also evolved to include a command-line interface capability and can be used in standalone graphical applications. PHP is free software released under the PHP License. PHP can be deployed on most web servers and also as a standalone shell on almost every operating system and platform, free of charge.

Php Syntax

<?php

```
echo’Hello World’;
?>
```

Why use PHP?

You have obviously head of a number of programming language out there you may be wondering why we should want to use PHP as our poison for the web programming. Below are some of the compelling reasons.

1. PHP is open source and free.
2. Large community document.
3. It is regular updated to keep abreast with the latest technology trends.

1.5 HTML

Html is the standard markup language for creating web pages.

- HTML stands for hyper text markup language.
- It describes structure of web pages.
- HTML elements are represented by tags.
- It consists series of elements.

Example

```
<html>
<head>
<title>page title</title>
</head>
<body>
<h1>My first Heading</h1>
<p>My first paragraph</p>
</body>
</html>
```

Advantages of HTML

1. The first advantage it is widely used.
2. Every browser support HTML language.
3. Easy to learn and use.
4. It is by default in every window so you don't need to purchase extra software.
5. We can integrate HTML with CSS, JavaScript, php etc.

Disadvantages of HTML

1. It can create only static and plain pages so if we need dynamic pages then HTML.
2. Need to write a lot of codes for making simple webpage
3. Security features are not good in HTML.
4. If we need to write long code for making a webpage then it produces some complexity.

➢ Why HTML is used in web pages

Web developing includes two main section.

Backend: codes that are written by Phython,PHP,ASP.Net, and Golang to name but a few by the developer.

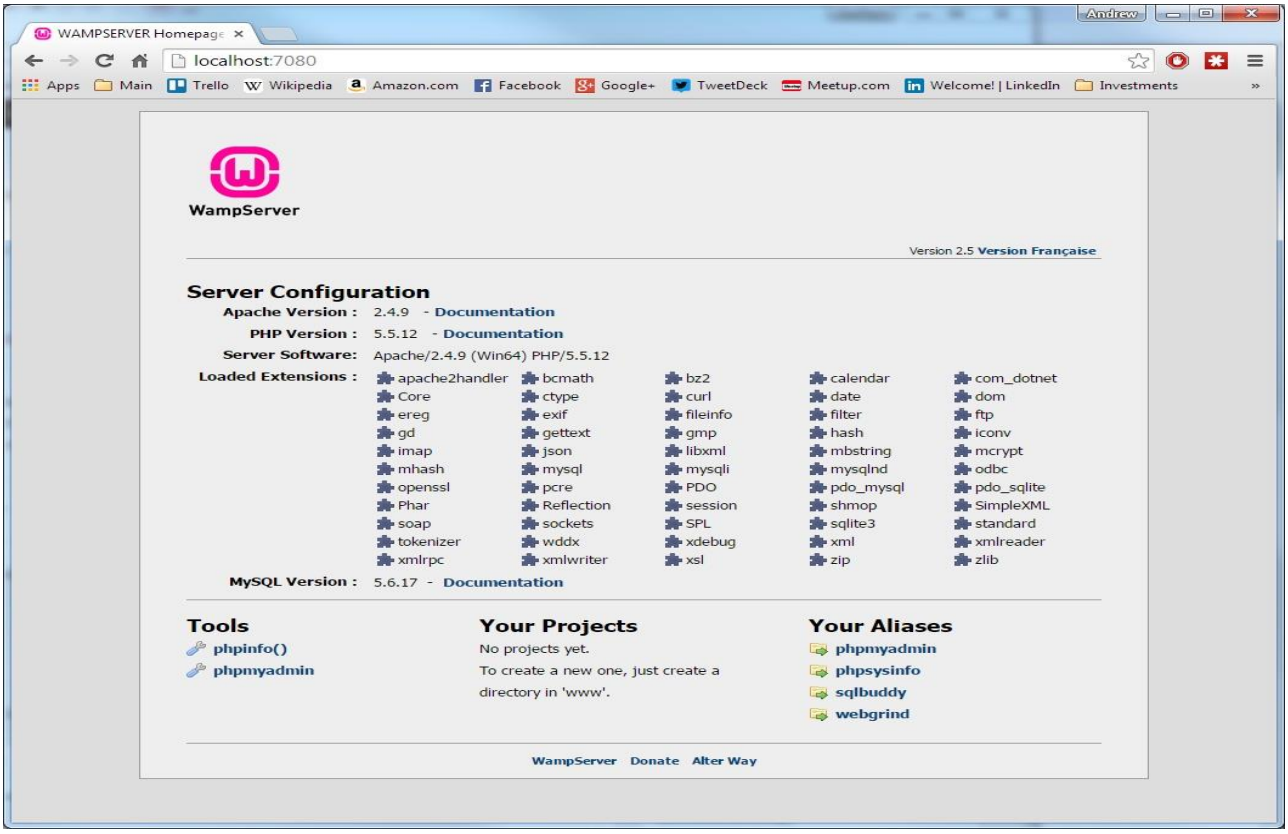
And Frontend which is makeup showed by clients or users browsers and for doing this we should use HTML(Hypertext Markup Language),it just shows some elements for users and doesn't run any functions.

When we go to a specific URL, your request is sent to your desired server and it'll render for your HTML of the site in fact the server runs any server-side functions.

1.6 WAMP

It stands for "windows, Apache, and MySQL, and PHP".WAMP is a variation systems and is often installed as a software bundle (Apache, MySQL, and PHP).It is often used for web development and internal testing, but may also used to serve live websites.

The most important part of the WAMP package is Apache (or "Apache HTTP server") which is used run the web server within widows. By running a local Apache web server on a windows machine, a web developer can test web pages in a web browser without publishing then live on the internet.


WAMPSERVER Homepage
localhost:7080
Apps Main Trello Wikipedia Amazon.com Facebook Google+ TweetDeck Meetup.com Welcome! | LinkedIn Investments
WampServer
Version 2.5 Version Française
Server Configuration
Apache Version : 2.4.9 - Documentation
PHP Version : 5.5.12 - Documentation
Server Software: Apache/2.4.9 (Win64) PHP/5.5.12
Loaded Extensions : apache2handler bcmath bz2 calendar com_dotnet Core ctype curl date dom ereg exif fileinfo filter ftp gd gettext gmp hash iconv imap json libxml mbstring mcrypt mhash mysql mysqli mysqlnd odbc openssl pcre PDO pdo_mysql pdo_sqlite Phar Reflection session shmop SimpleXML soap sockets SPL sqlite3 standard tokenizer wddx xdebug xml xmlreader xmlrpc xmlwriter xsl zip zlib
MySQL Version : 5.6.17 - Documentation
Tools
phpinfo()
phpmyadmin
Your Projects
No projects yet.
To create a new one, just create a directory in 'www'.
Your Aliases
phpmyadmin
phpsysinfo
sqlbuddy
webgrind
WampServer Donate Alter Way

SYSTEM ANALYSIS

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SYSTEM ANALYSIS: -

Main Problem with Existing System:-

1. Time Consuming:-

In our current system, all the process are carried out by human so naturally it requires more time and, in that case, it will require more time to solve problem.

2. Difficult in Implementing:-

It is difficult to implement the solution because sometime the problem is big and cannot solve by any people. So we must have to prepare about this always to do what in this..

REQUIREMENT SPECIFICATION:

❖ Software Requirements:

- Operating System: - Window 8, Window 10, Window 11, Linux etc.
- Framework:- Laravel 5.8
- Server: - Xampp, Wamp, etc.
- Database:- MySQL(phpmyadmin)
- Text Editor: - Vs Code, Notepad++ etc.
- Other Software: - Git, Composer etc.

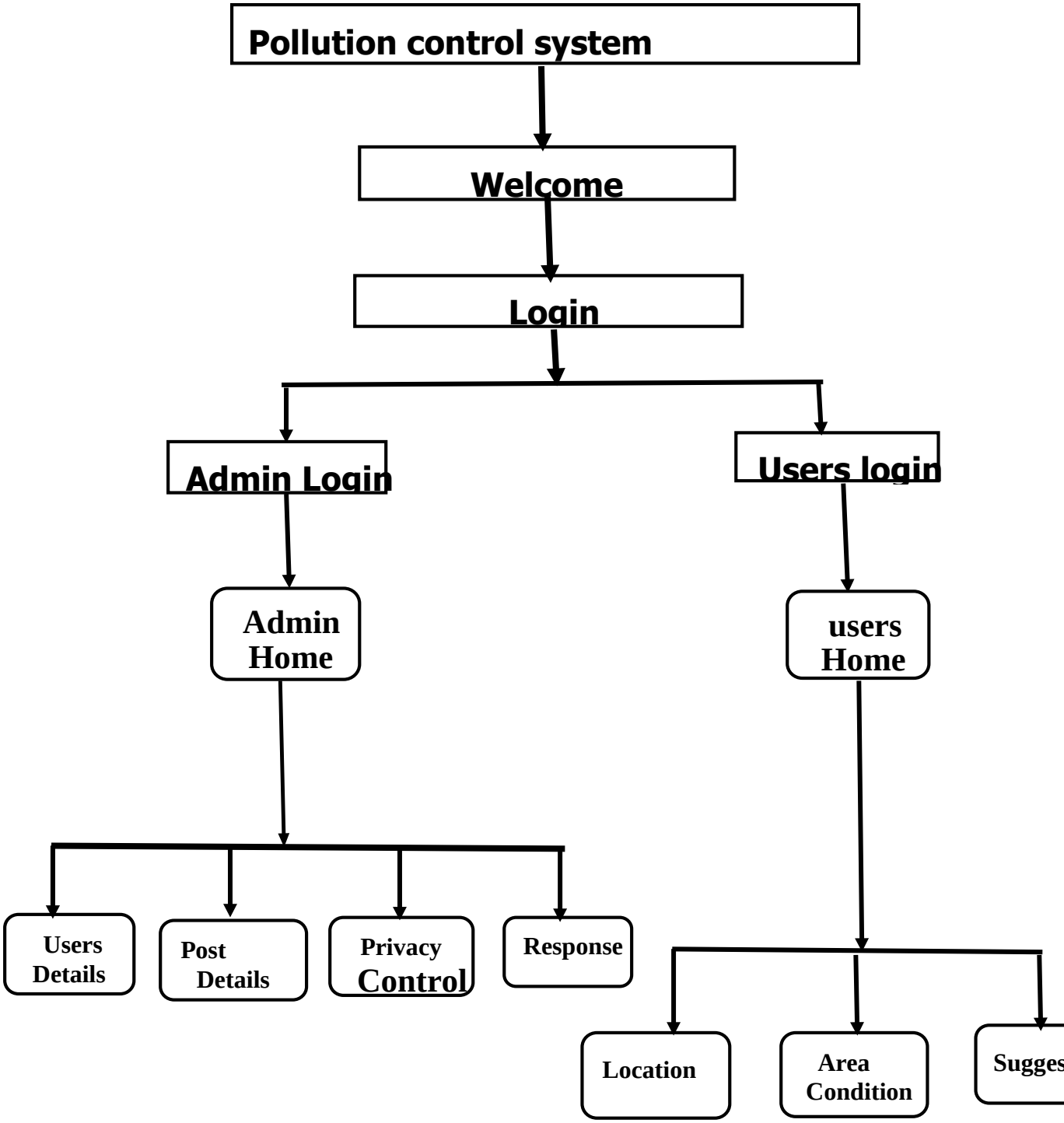
❖ Hardware Requirements:

- Processor:- Intel i3 or more
- Processor Speed:- 2.30GHz or more
- Hard Disk:- 100 GB or more
- RAM:- 4GB or more
- Other:- Keyboard, Mouse, etc.

3.1 MODULE:-

Module is a diagrammatic representation of a functionality within a project. It may have

. Oneor many module in a software.



3.3 ER DIAGRAM:- ER diagram stands for Entity- Relationship Diagram. It is a High Level Data Diagram. This Diagram is used to define the data elements and relationship for a specified system. It

develops a conceptual design for the database. It also develops a very simple and easy to design view of data. In ER diagram, the database structure is portrayed as a diagram called an entity relationship diagram. The components of ER diagram are explained below:-

Entity:- An entity may be any object, class, person or place. In the ER diagram, An entity can be represented as Rectangles.

Fig:- Rectangle

Attribute:- The attribute is used to describe the property of an entity. Eclipse is used to represent an attribute.

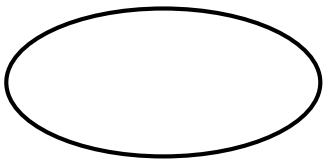


Fig:- Eclipse

Relationship:- A Relationship is used to describe the relation between entities.

Diamond or Rhombus is used to represent the relationship.

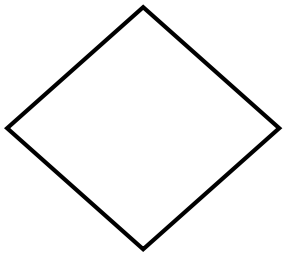
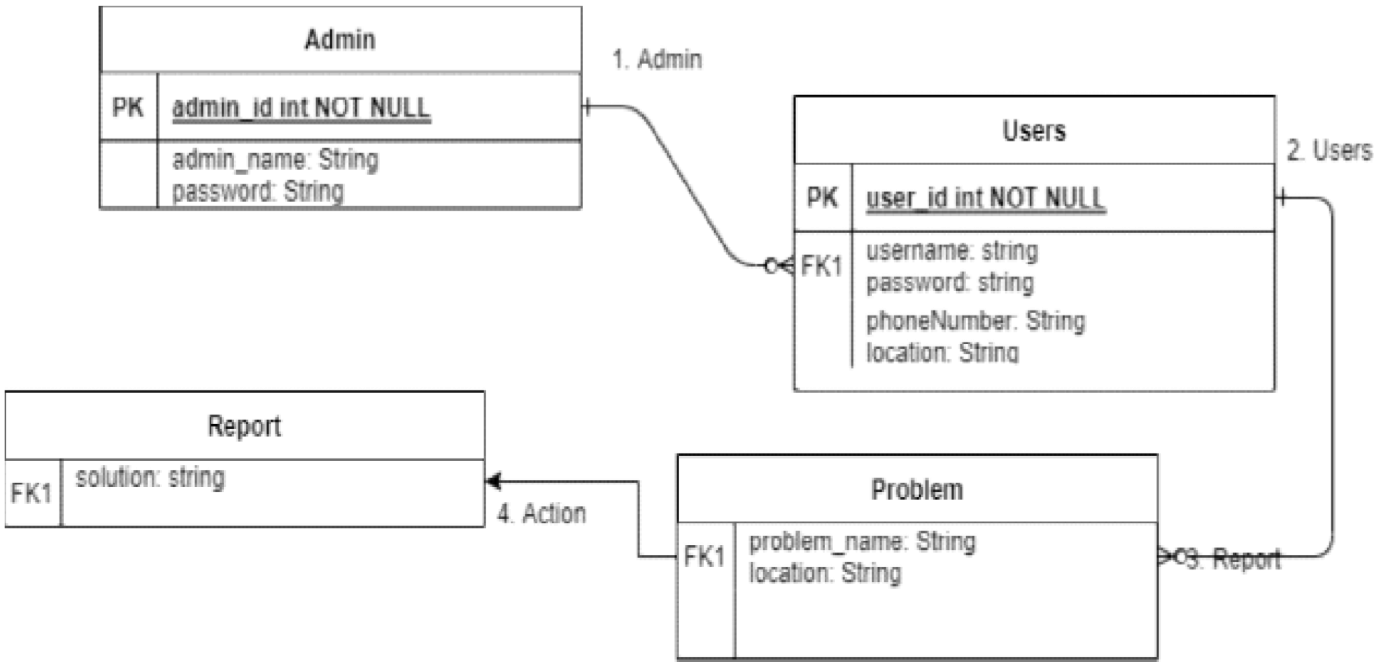


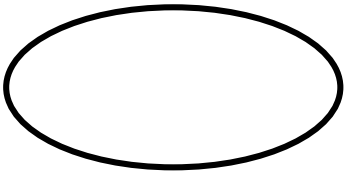
Fig:- Diamond

ER DIAGRAM:-

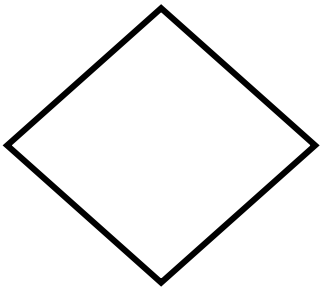


3.4 Flowchart Diagram:- A Flowchart is a visual representation of a process that makes it easy to understand the process at a glance. Flow Charts depict the nature and flow of steps in a process. Steps and decision points of a process are linked by connecting lines and directional arrows showing process flow direction. This makes it easy for anyone to rationally follow the process from beginning to end. It is important to note that each process step is represented by a different symbol showing different types of actions in a process. There are mainly four types of flowchart symbol which are given below:-

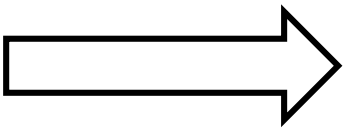
Terminator:- The Terminator symbol represents the starting or ending point of the system.



Decision: - A diamond represents a decision or branching point. Lines coming out from the diamond indicates different possible situations, leading to different sub processes.



Flow:- Lines represent the flow of the sequence and direction of a process.



Data:- It represents information entering or leaving the system. An input might be an order form the customer. Output can be a product to be delivered.

3.4.1 ADMIN LOGIN FLOW CHART DIAGRAM

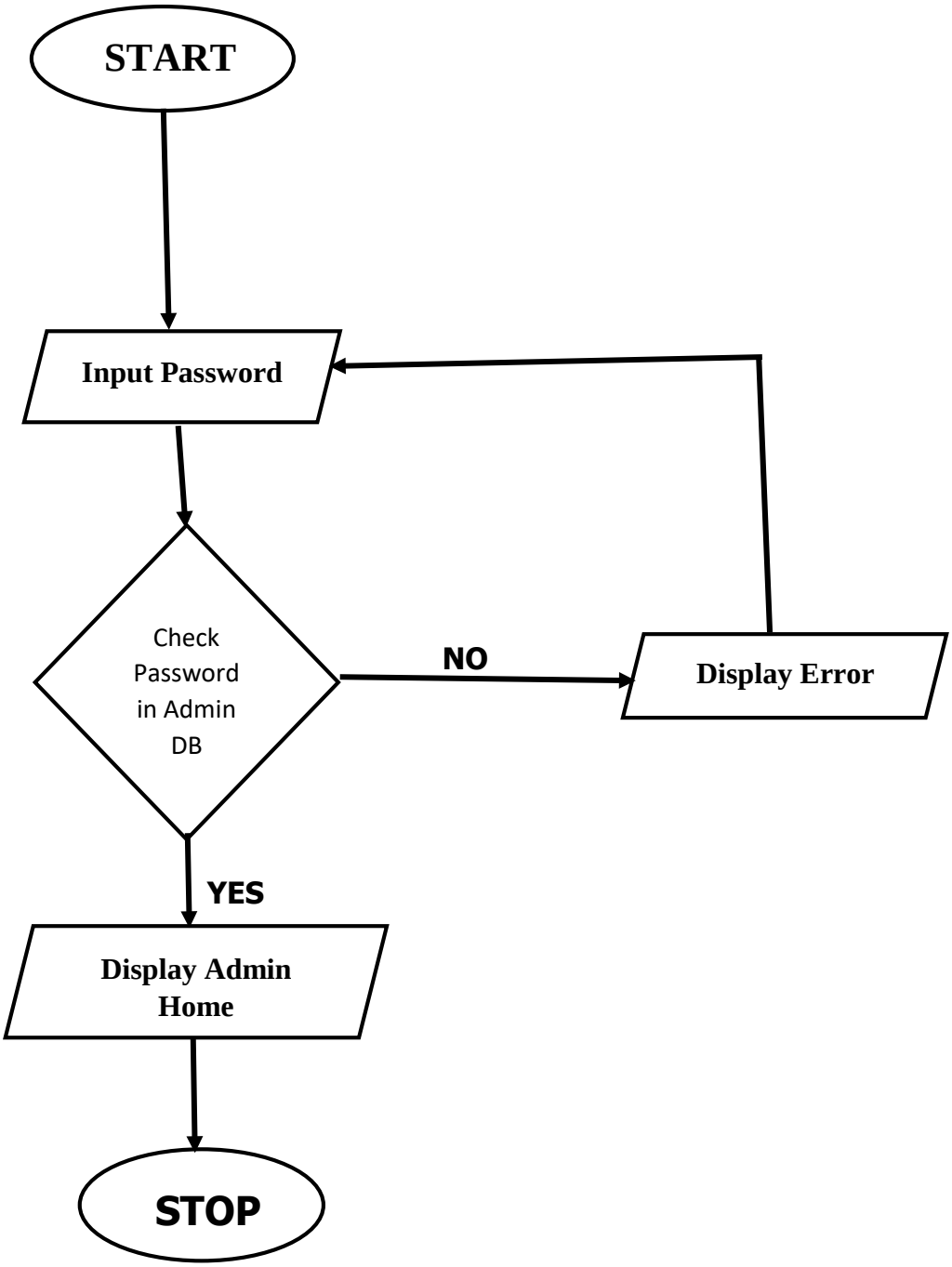


Fig:- Admin Login Flow Chart Diagram

3.4.2 USERS LOGIN FLOW CHART

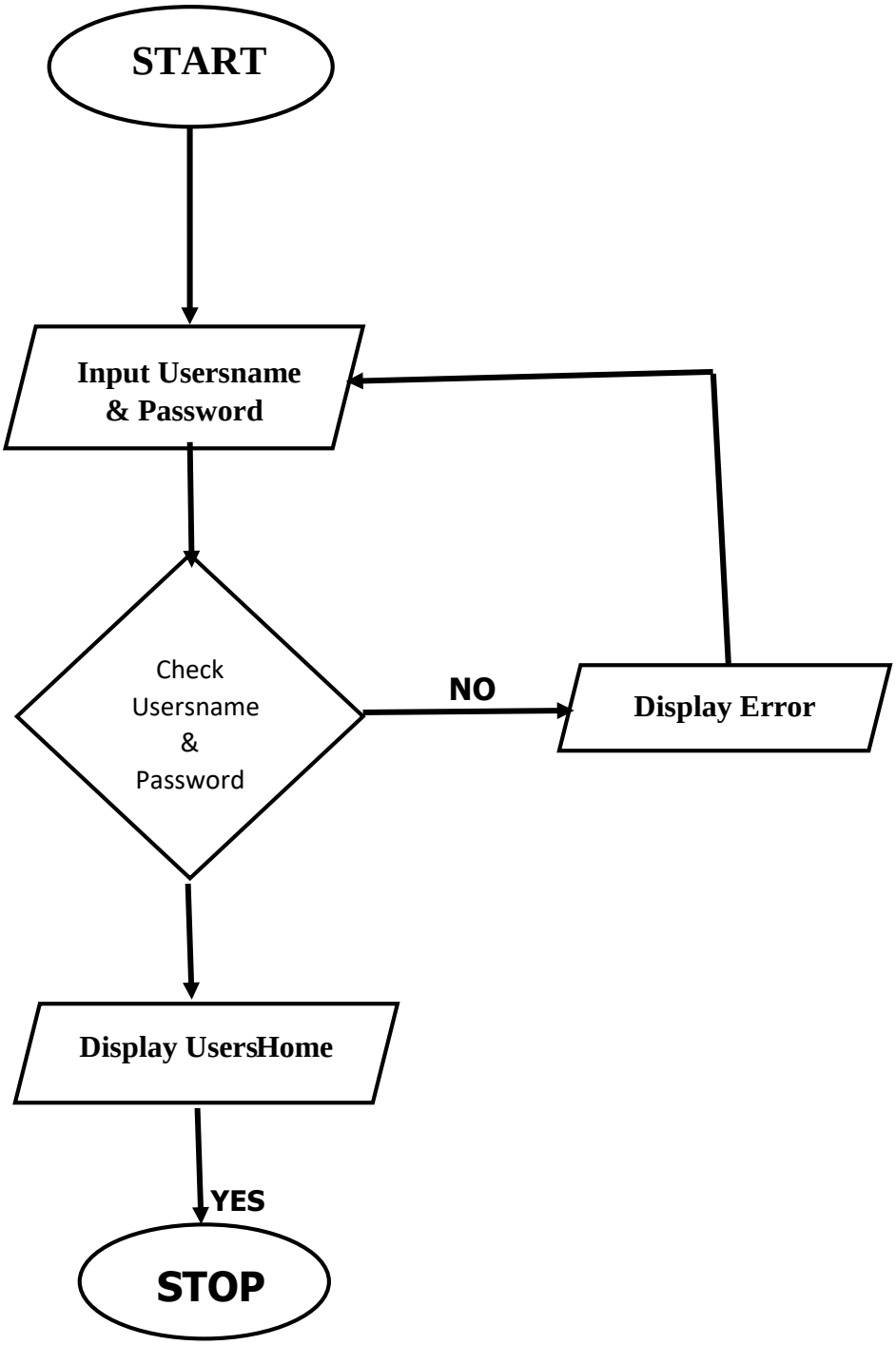


Fig:- Users Login Flow Chart Diagram

DIAGRAM

3.4.10 CHANGE PASSWORD FLOWCHART DIAGRAM

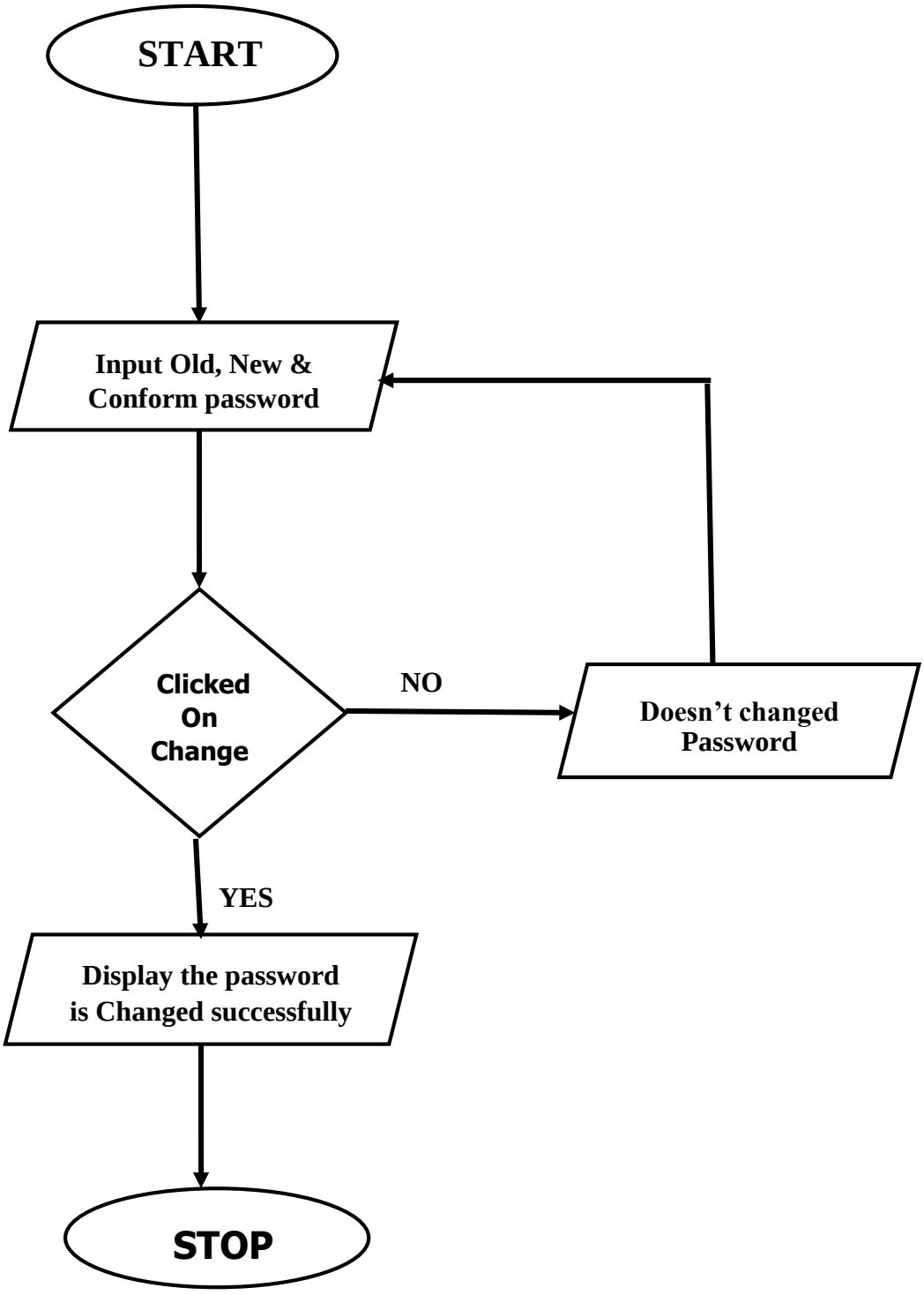


Fig:- Change Password Flowchart Diagram

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