

A

Project Report On

NERIST STUDENT AND TRANSPORTATION ENTRY SYSTEM

Submitted in partial fulfillment of the requirement for the award of

Degree In

Computer Science and Engineering



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June 2022

Declaration

We hereby declare that the work which is being presented in this report entitled “**NERIST STUDENT AND TRANSPORTATION ENTRY SYSTEM**” for the part fulfillment of our three years degree course in Computer Science and Engineering under Deemed University is an authentic record of our carried during the period under the guidance of Yogendra Mohan, Project Guide, Assistant Professor of Department of Computer Science and Engineering North Eastern Regional Institute of Science and Technology. The matter presented in this report has not been submitted by us to the award of any other degree of this or any other university.

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Signature:

CERTIFICATE OF APPROVAL

Certified that the project report entitled “**Nerist Student and Transportation entry System**” is a Bonafede work carried out jointly by **Arati Kumari ojha (D/19/CS/203) and Chumki Sarkar(D/19/CS/205)**. The project report embodies the original work done by them towards partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering** at **North Eastern Regional Institute of Science and Technology, Arunachal Pradesh**. It is understood by this approval that the undersigned do not endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the project report only for the purpose for which it has been submitted.

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ACKNOWLEDGEMENT

At the very outset, we have great pleasure to express our sincere thanks and deepest sense of gratitude to all the individuals who gave us full guidance and showing each possibility while carrying out the project. We thank our project guide Mr. Yogendra Mohan Assistant Professor of Department of Computer Science and Engineering North Eastern Regional Institute of Science and Technology, for his valuable guidelines and support throughout the project. We offer our heartfelt thanks for her kind cooperation, encouragement and timely help rendered to me. We would like to thank the entire Computer Science and Engineering for their constant support and co-operation in completing the project successfully. Finally, we want to express our gratitude to all our friends, well-wishers and our family members for giving us their constant support and encouragement during the project work. With kind regards and thanks.

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ABSTRACT

Today in this word of information technology and we are so exception to it. Computers have become in day-to-day life so keep the task with time we are follow the path IT. The aim of the project is to design a computerized “NERIST STUDENT AND TRSPORTION ENTRY SYSTEM”, we have tried to our best to every possible information about Nerist student and transportation Entry system.

The main objective of the website is to reduce the consumption of time during maintain the records of NERIST STUDENT AND TRANSPORATAION ENTRY SYSTEM. Separate divisions are providing to maintain the records of student, vehicle, guests, divisions, etc.

In other words, the objective of the present Nerist student and transport entry system website is: Simple Database is maintained. Easy operation for the operator of thesystem. Faster execution of maintaining the records.

Chapter-1

INTRODUCTION

Nerist Student and Transportation Entry System is a web-based application. It will keep all the information of vehicle entry, student entry, staff entry and guest entry in the Nerist gate. The information is sorted by the operators, which will be provided by the staff (security guard) for a Nerist gate. This System will also help in campus security purpose.

Motivation

There are many problems that are faces by staffs while register the entry details. So from that we are motivated to create something that helps us to overcome the problems.

There are many technologies around us which are used in our day-to-day life. Student and others like guest also like use the new and new technologies. For that we are implementing this software for taking the entry system.

It is the smart way to entry the student, vehicle and guest.

Problem Definition

The existing system is a manual entry for student and vehicle. Here the entry will be carried out in the hand writing register. Maintaining the records for the staff is a tedious job. The retrieval of the information is not as easy as the records are maintained in the registers.

Goal and Objectives

Our main motive or goal in our project is that to systemized the process of nerist gate entry system, means to reduce the paper work, to remove the time and most importantly to convert the hard work into a smart work. Because now a day's smartness is a basic thing and every people wants the latest and a smartest technology.

Chapter-2

Literature Survey

The proposed system will be used to maintain student, vehicle and guest entry record for own Nerist gate. In this project aims to reduce the time consumption, during maintaining the records of Nerist Student and transportation Entry System

Its hardware requirements are as follows: -

Processor: Intel core i3.

RAM: 4Giga bytes.

Hard Disk: 1Tera bytes.

Its software requirements are as follows: -

Operating System (Windows 10).

Front-End-HTML, BOOSTRAP4(CSS, Framework),

JAVASCRIPT.

Back-End-Laravel9 (PHP framework).

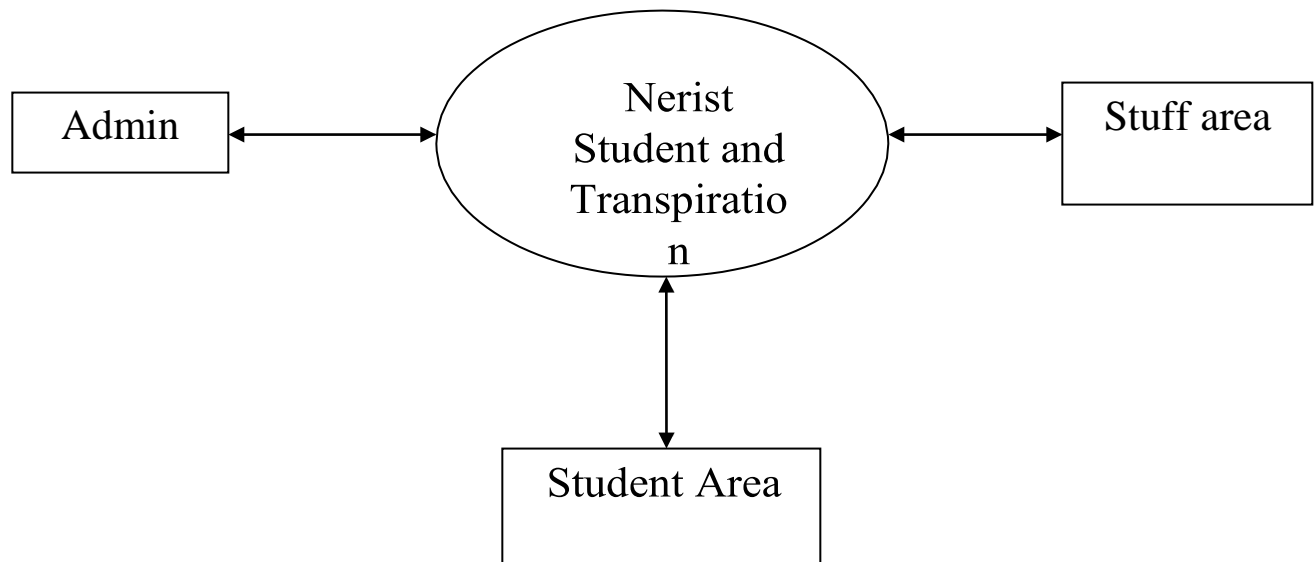


Fig no: 2.1 Working Diagram

In Nerist Student and Transport System is designed to solve the problem of maintaining the registration details of student and Vehicles in Nerist, so that we can develop an error free system of maintaining different data of student and vehicles and can introduce control and recruit all rest of the admin and the system.

FirstAdmin

This person acts as an helper hand of control admin and can regulate student admin and staff admin for other work like messaging, editing ,maintaining database etc.

Staff Admin

This person can enter and maintain the data base of student and vehicles and can edit the different sections as necessity

Student Admin

This person can contain the database of student and can edit and message student as necessity.

new technologies to all the user for better and updated experience. In this Web system it contain an Admin section which is the master and controller of this system and it is divided into four sections

Control Admin

This person can

Software Description

TECHNOLOGY used:

PHP framework (Laravel 9 as a backend)

HTML boot strap, Java Script as a Front-end.

DATABASE:

MY-SQL Server (Microsoft SQL server)

Chapter-3

System Work Flow

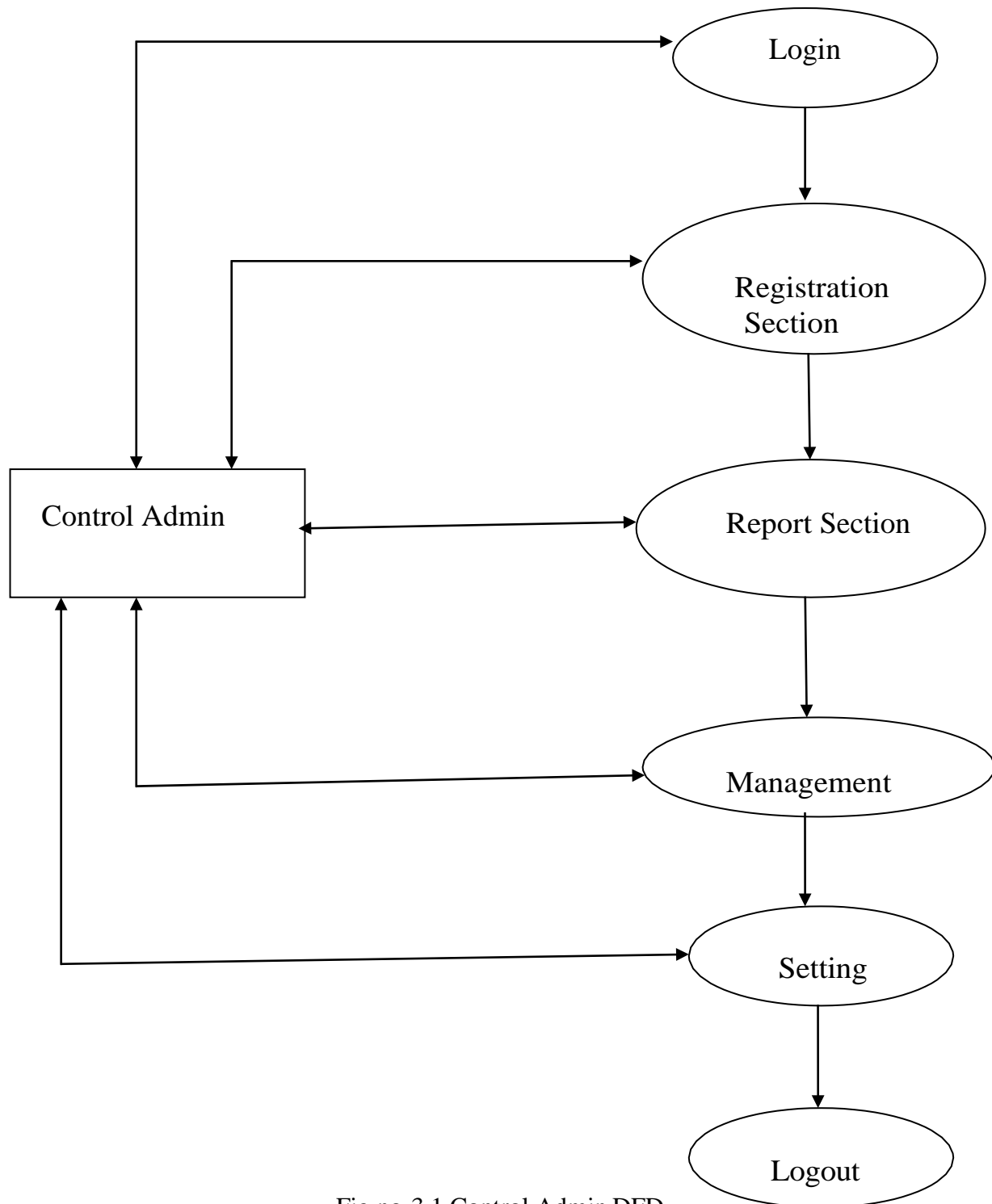


Fig no-3.1 Control Admin DFD

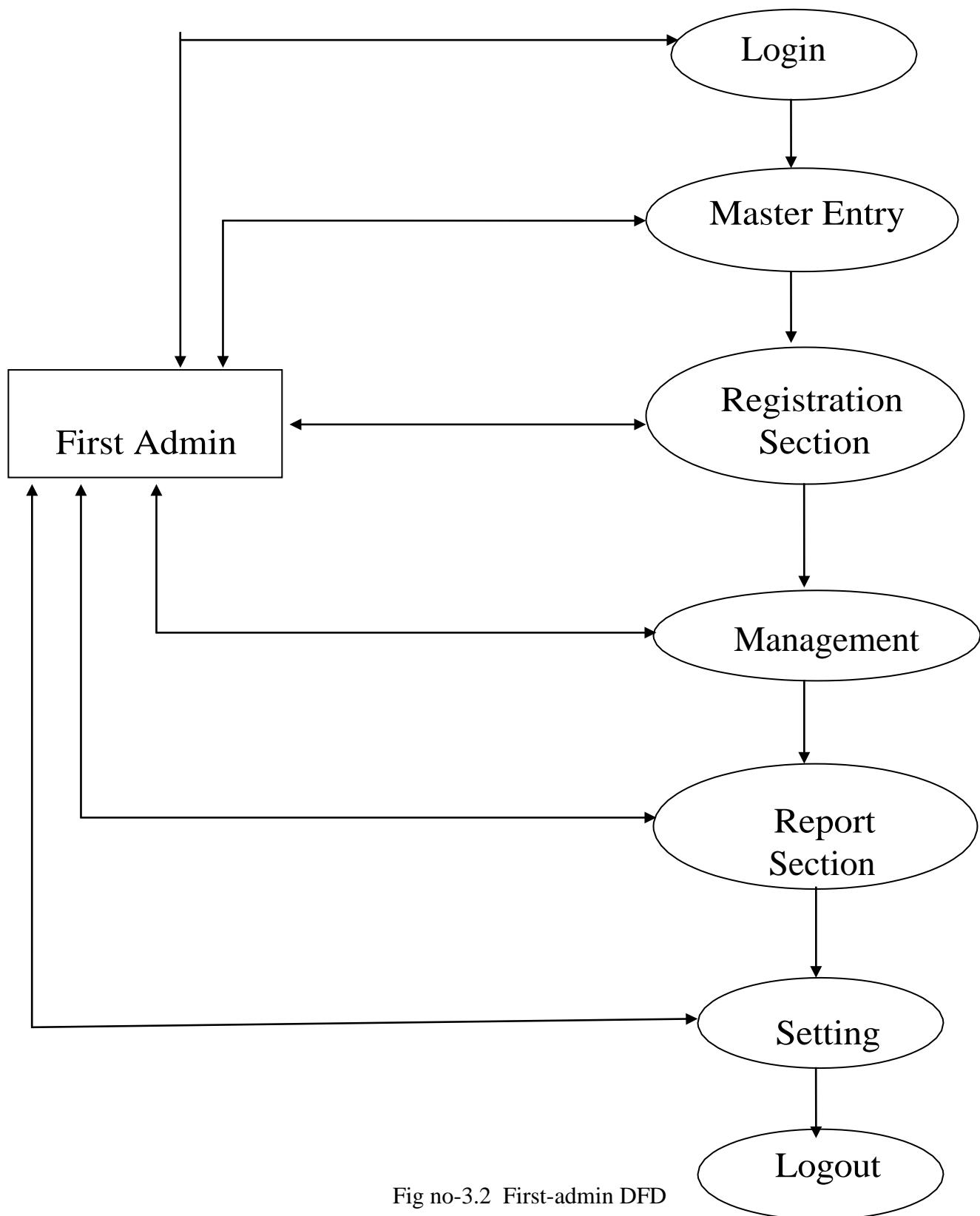


Fig no-3.2 First-admin DFD

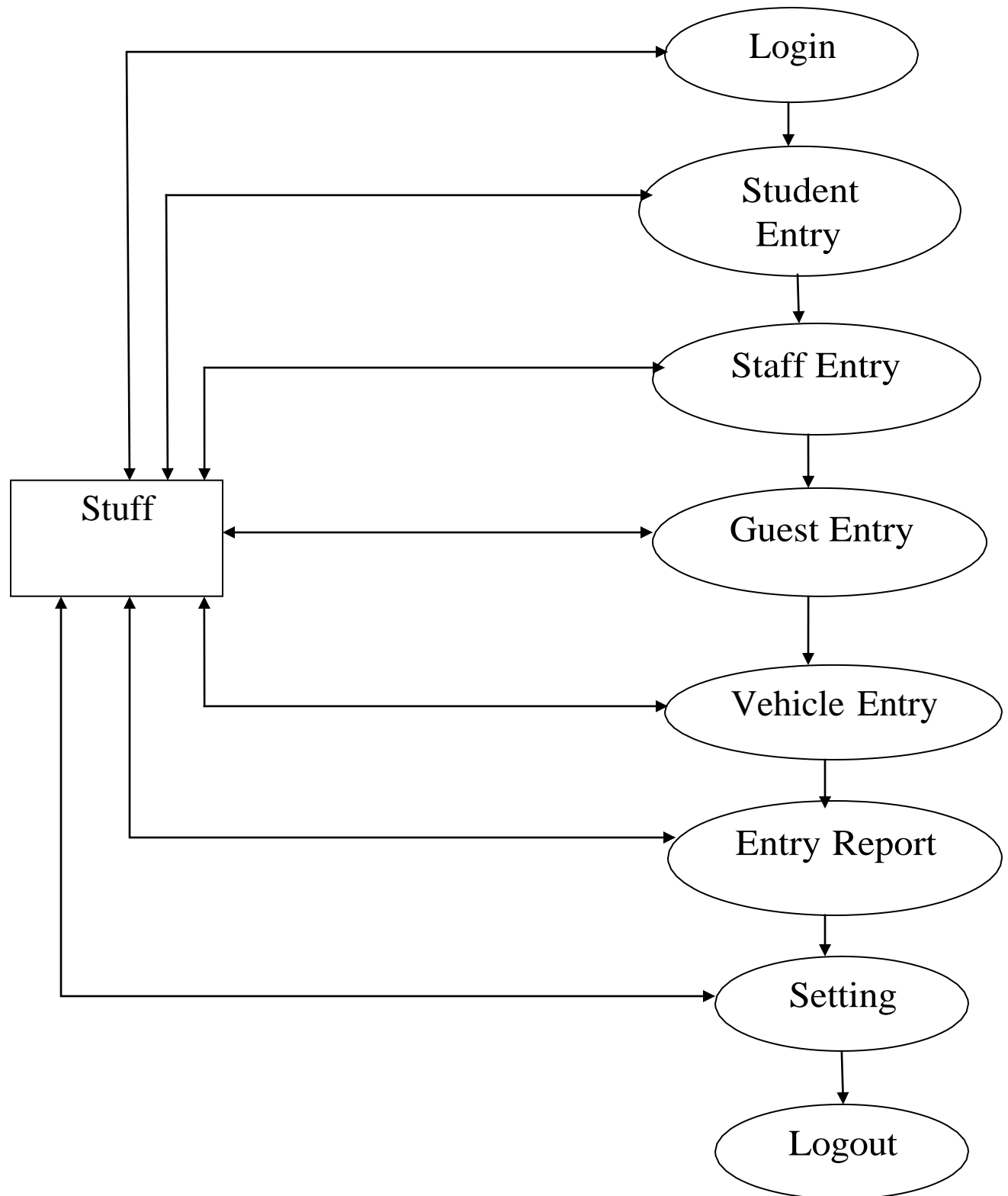


Fig no-3.3 Stuff Area DFD

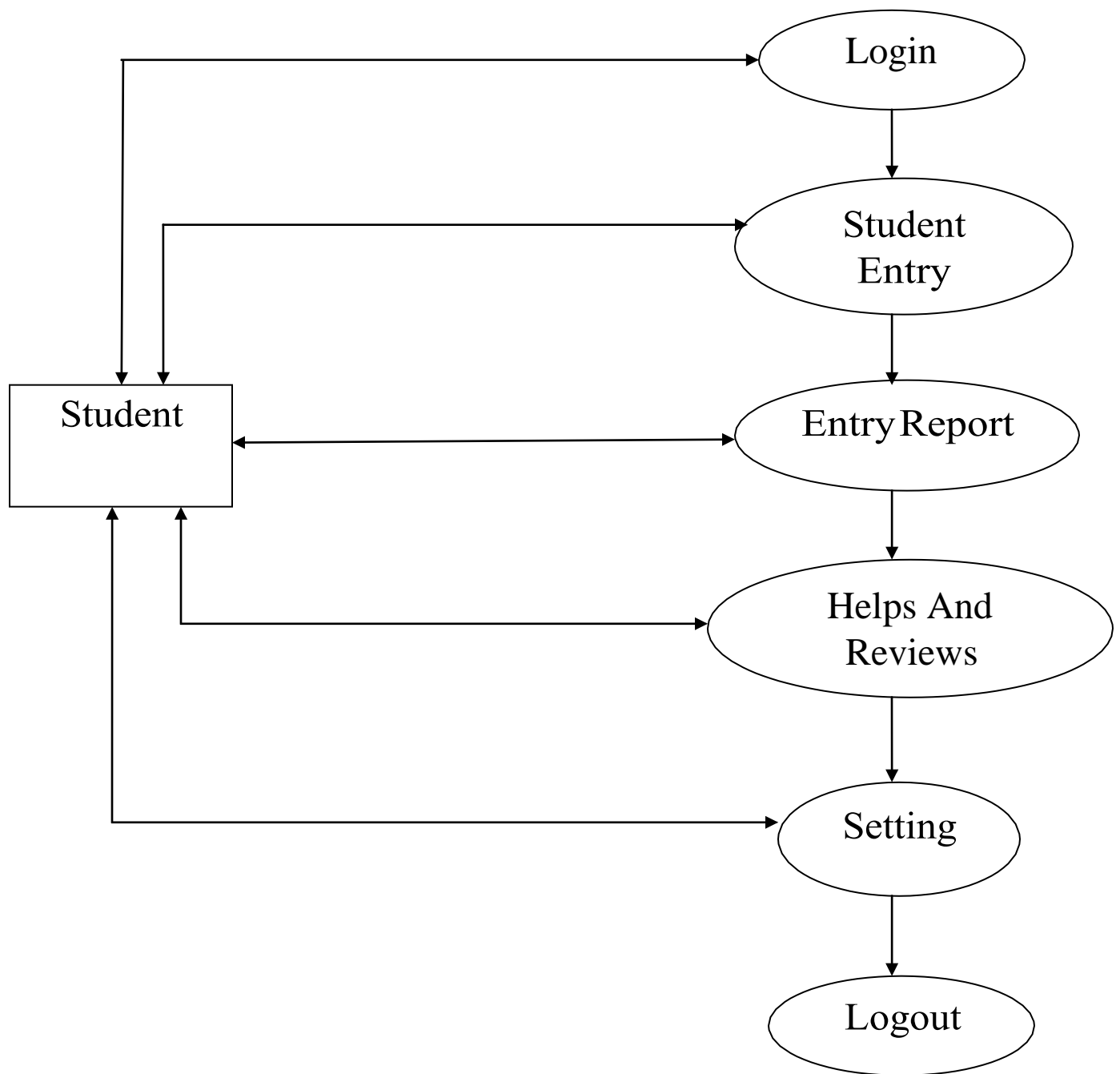


Fig no-3.4 Student DFD

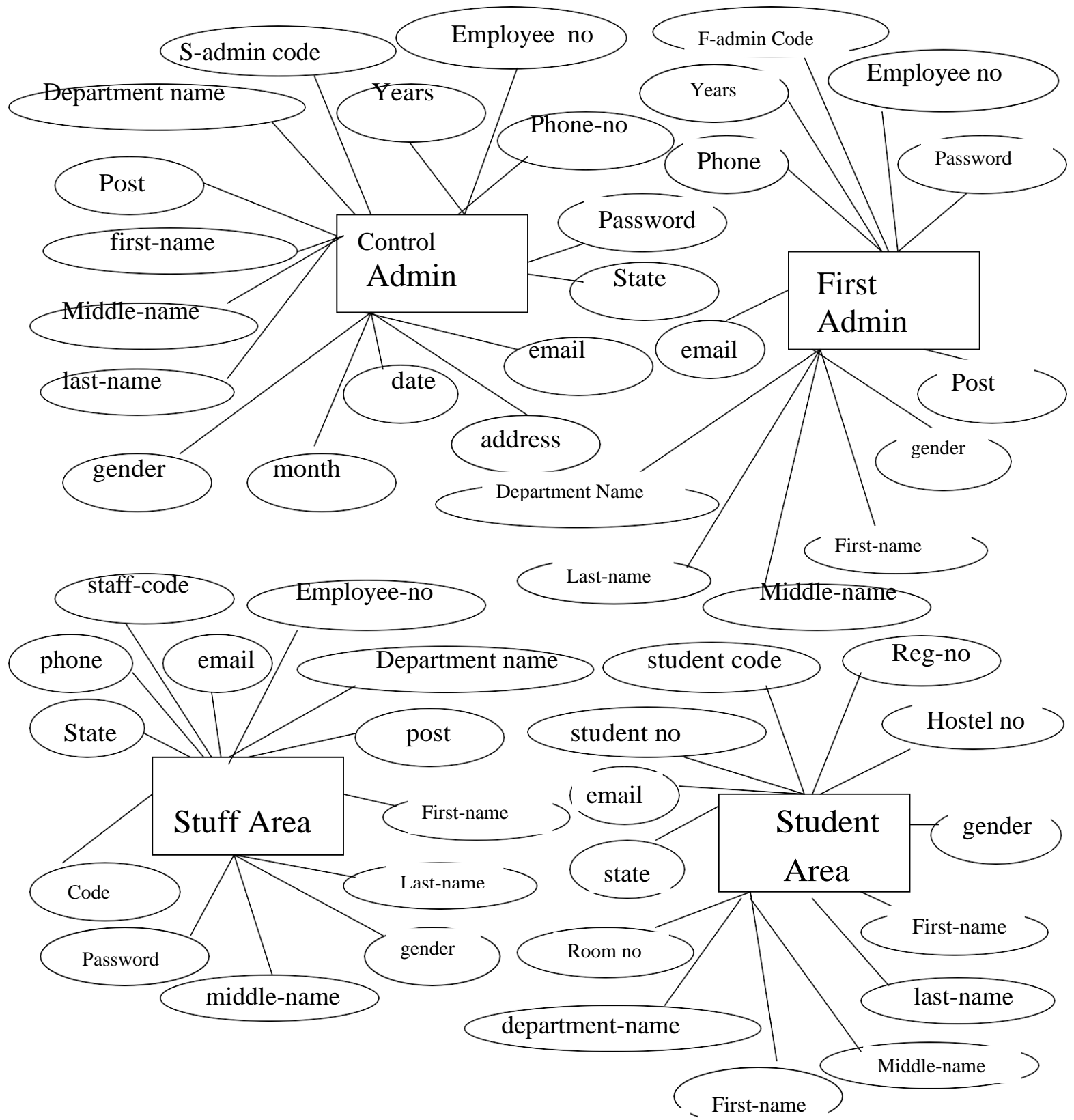


Fig no-3.5 ER diagram

Chapter-4 Database

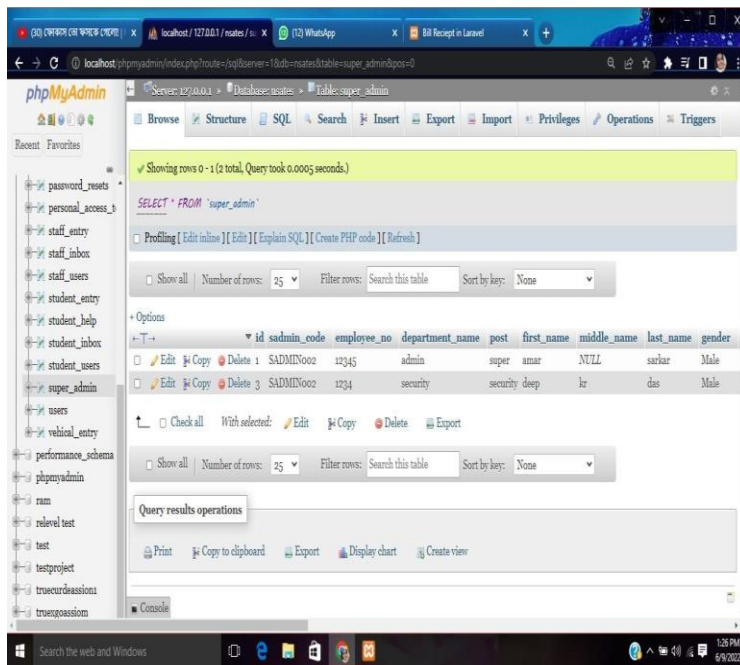


Fig no 4.1 Control Admin panel

Control Admin

Control Admin which is the master of all, can control all rest of the sections i.e., it controls the registration of staff, student and first admin.

First Admin

First admin which works below control admin works holds the control of staff and student.

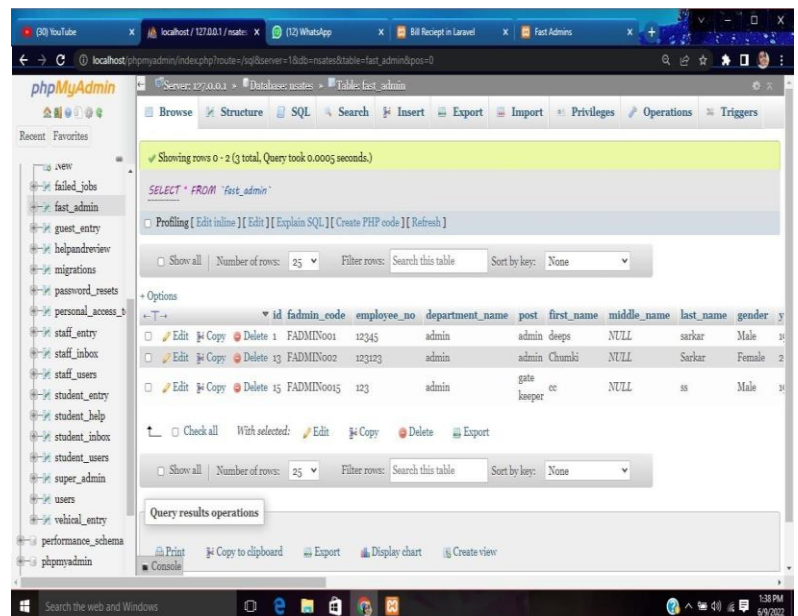
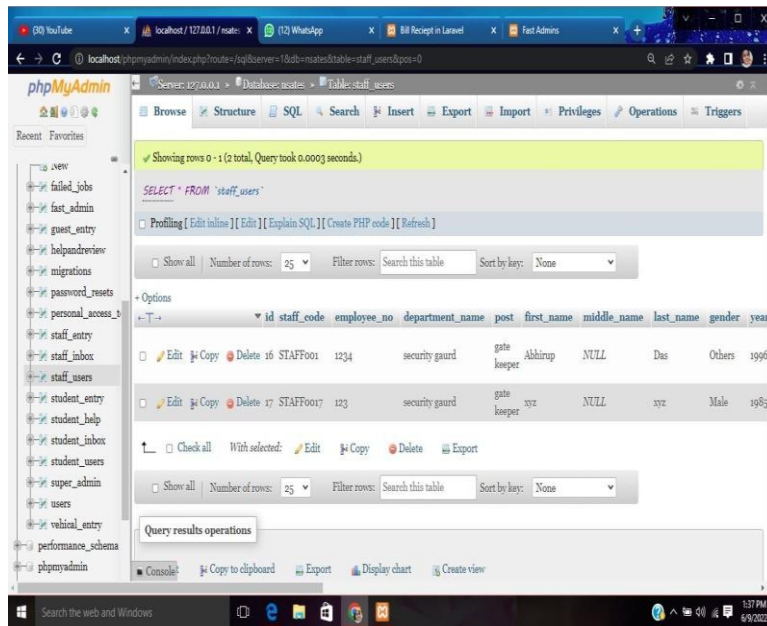


Fig no-4.2 First Admin panel



Staff Registration
Staff Registration entry details will be shown after registration in the table as shown

Fig no 4.3 Staff Registration panel

Student Area
Student registration details will be shown in the table as shown on student registration.

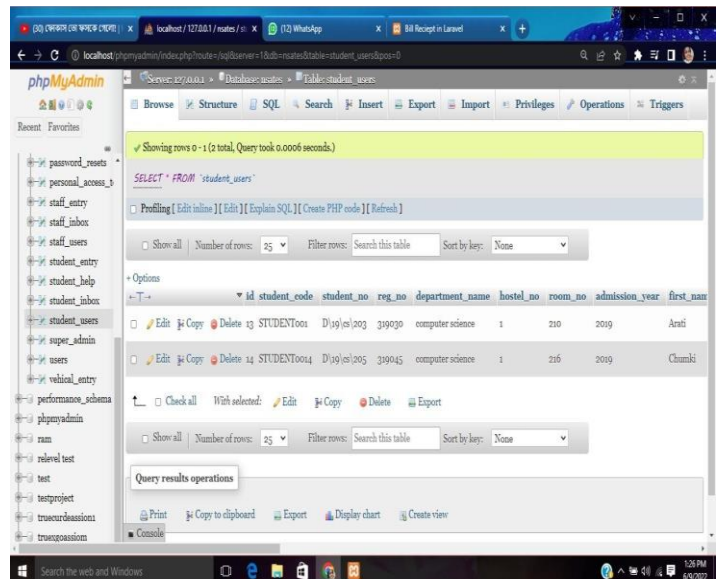
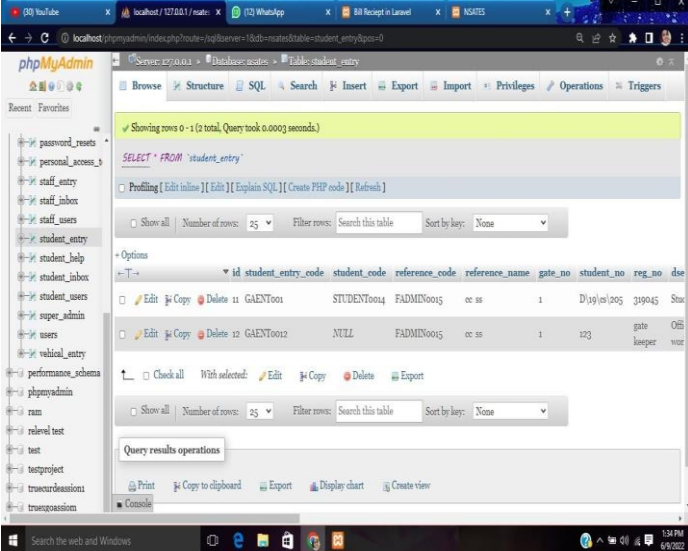


Fig no 4.4 Student Registration panel

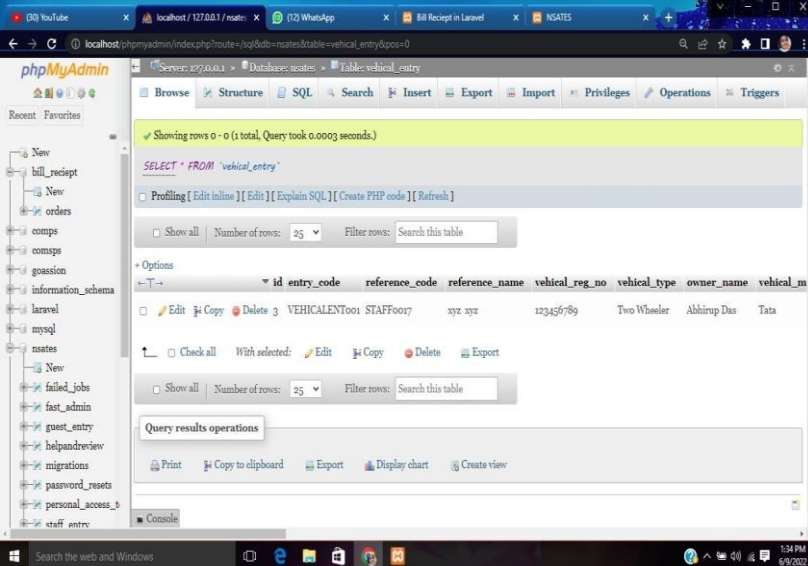
Student Entry Panel

Shows the details of all details of the student as shown in table.



	id	student_entry_code	student_code	reference_code	reference_name	gate_no	student_no	reg_no	dse
<input type="checkbox"/>	11	GAENT001	STUDENT004	FADMIN0015	cc ss	1	D/19/01/2005	219045	Sta
<input type="checkbox"/>	12	GAENT002	NULL	FADMIN0015	cc ss	1	123	gate keeper	Officer

Fig no 4.5 Student Entry panel

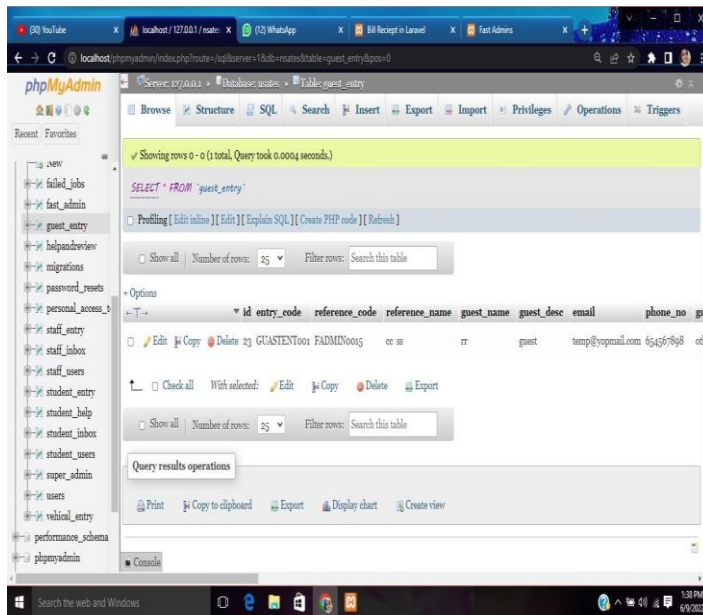


	id	entry_code	reference_code	reference_name	vehical_reg_no	vehical_type	owner_name	vehical_m
<input type="checkbox"/>	1	VEHICALENT001	STAFF0017	xyz xyz	123456789	Two Wheeler	Abhirup Das	Tata

Vehicle Entry Panel

Shows the details of all details of the vehicles as shown in table.

Fig no 4.6 Vehicle Entry panel



Guest Entry Panel

This panel shows the details of the guest entered during the entry as shown in table.

Fig no-4.7 Guest Entry panel

Help and Review Panel

This section acts as a review section for students and helps the students to solve their queries.

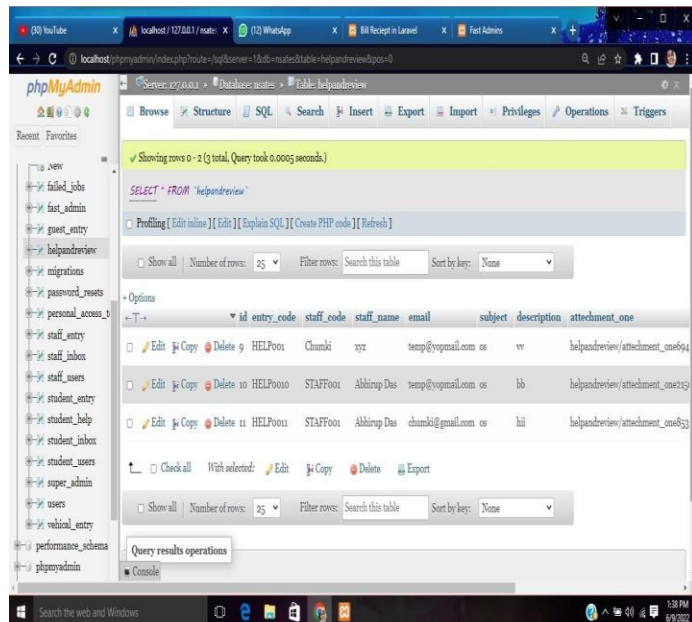


Fig no-4.8 Help and Review panel

Chapter-5

TESTING

It is an actively to check whether the actual result is correct. Testing helps to correct gaps, errors, missing requirements in contrast to the actual requirements. It can be either done either manually or by automated tools. It prefers saying as White Box and Black Box Testing.

Some simple terms of Software Testing means Verification of Application under Test (AUT).

Testing is crucial because software bugs could be dangerous. Bugs can be potentially or monetary and cause human loss.

Several types of software testing are used to done testing these are:

- Alpha testing
- Unit testing
- Integration testing
- System testing
- Interference testing
- Regression testing
- Beta testing
- Acceptance testing

Chapter-6

RESULT

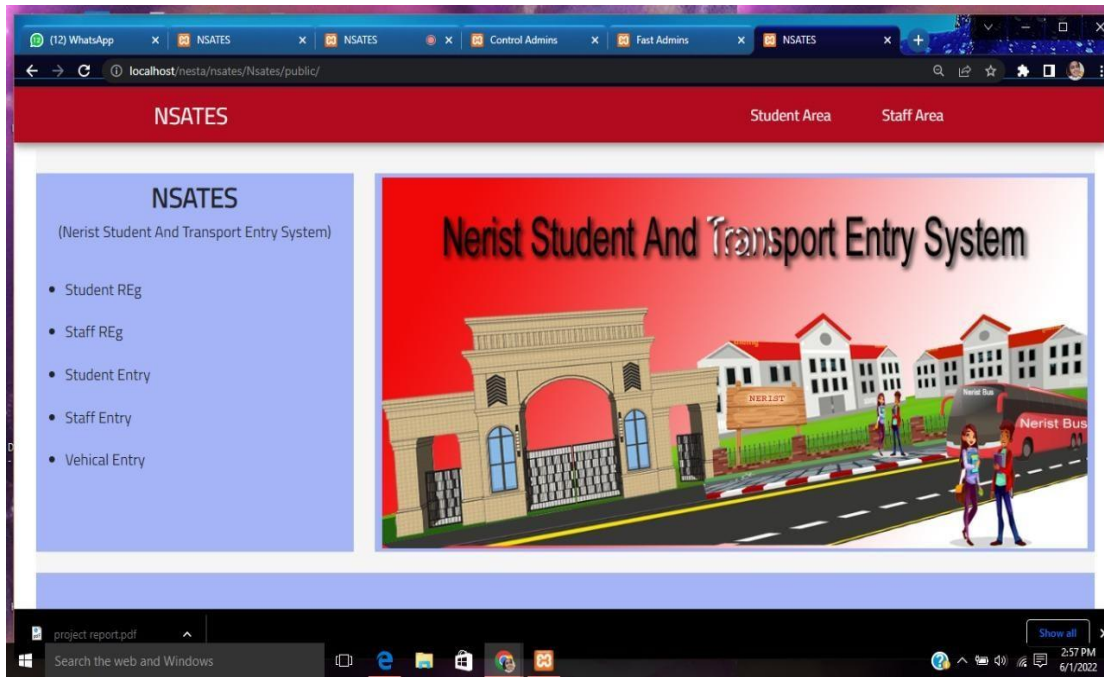


Fig no-6.1 Home Page

After opening the Web site, we get the home page. From home page we get many options like Student area and staff area.

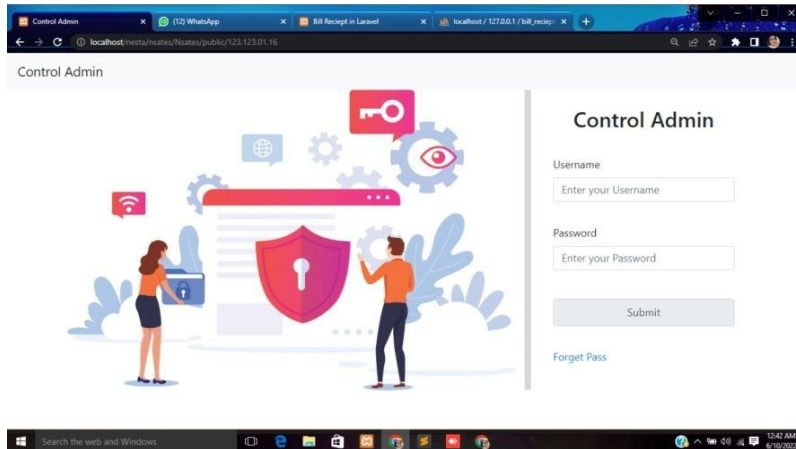


Fig no-6.2 Control Admin Login panel

Control Admin log-in

In this page control admin will open their account by giving the password and user name.

Control Admin Dashboard
After control admin login redirect to dashboard. The Dashboard will contain profile bar and side bar (Registration section, Report section, management, setting, and logout)

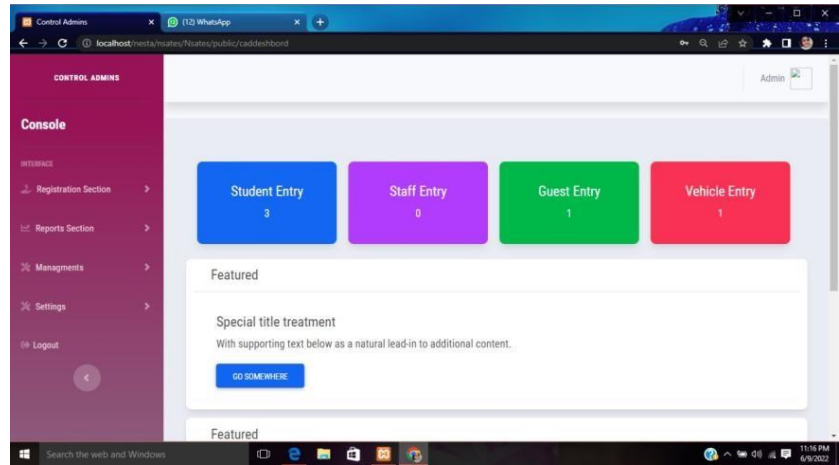


Fig no-6.3 Control Admin Panel

Fig no- 6.4 Student Registration panel

Student Registration

In this page control admin can create student account by student details.

The screenshot shows a web browser window with the URL `localhost/nstas/nstas/public/staffregad`. The page is titled "Staff Registration". On the left, there is a sidebar menu with the following items: "CONTROL ADMINS", "Console", "INTERFACE", "Registration Section", "Reports Section", "Managements", "Settings", and "Logout". The main content area contains a registration form with the following fields:

- Employee No. (text input)
- Staff Post (text input)
- Department Name (text input)
- First Name (text input)
- Middle Name (text input)
- Last Name (text input)
- Gender (dropdown menu with "Choose..." option)
- Date Of Birth (date picker with Year, Month, and Day dropdowns)
- Email (text input)
- Phone No. (text input)
- Password (text input)
- Confirm Again Password (text input)
- Address (text input)

Staff Registration
In this page control admin can create staff account by staff details.

Fig no- 6.5 Staff Registration Panel

First-admin Registration
In this page controladmin can create first admin account by first admin details

The screenshot shows a web browser window with the URL `localhost/nstas/nstas/public/fastadreg`. The page is titled "Fastadmin Registration". On the left, there is a sidebar menu with the following items: "CONTROL ADMINS", "Console", "INTERFACE", "Registration Section", "Reports Section", "Managements", "Settings", and "Logout". The main content area contains a registration form with the following fields:

- Employee No. (text input)
- Staff Post (text input)
- Department Name (text input)
- First Name (text input)
- Middle Name (text input)
- Last Name (text input)
- Gender (dropdown menu with "Choose..." option)
- Date Of Birth (date picker with Year, Month, and Day dropdowns)
- Email (text input)
- Phone No. (text input)
- Password (text input)
- Confirm Again Password (text input)
- Address (text input)

Fig no- 6.6 First Admin Registration panel

The screenshot shows a web browser window with the URL `localhost:8080/nsates/niates/public/superreg`. The page is titled "Superadmin Registration" and features a registration form with the following fields:

- Employee No. (text input)
- Staff Post (text input)
- Department Name (text input)
- First Name (text input)
- Middle Name (text input)
- Last Name (text input)
- Gender (dropdown menu with "Choose..." option)
- Date Of Birth (date picker with Year, Month, and Day dropdowns)
- Email (text input with "Enter Email Id." placeholder)
- Phone No. (text input with "Enter Phone No." placeholder)
- Password (text input with "Enter Password." placeholder)
- Confirm Again Password (text input)
- Address (text input)

A sidebar on the left contains the following menu items: Console, INTERFACE, Registration Section, Reports Section, Managements, Settings, and Logout. The Windows taskbar at the bottom shows the date and time as 11:17 PM on 6/9/2022.

Contral Admin Registration
In this page control admin can admin another person by details.

Fig no- 6.7 Control Admin Registration panel

Chapter-8

CONCLUSION AND FURTHER SCOPE OF ENHANCEMENT

CONCLUSION

The application system entitled “NERIST and student transportations entry system” developing to satisfy the requirement have been completing as far as possible with in the time constraint. The project has been developing with the objective to improve the working system of transportation and entry system.

Almost all the mention functionality of the propose system have been incorporated and implemented in the system. The system in what we hope is a user –friendly manner.

The system has the provision and inputting all the important data and queering them a necessary field value. The system generates various reports which help in management decision process.

FURTHER SCOPE OF ENHANCEMENT

Due to time constrains the process of report generation could not be perfected. More report can be made to generate to satisfy more queries. Further enhancement needs to be done the current system can serve as a building block for the enhanced system.

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