VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI

A Mini Project Report on

"SCHOOL MANAGEMENT"

Submitted in the partial fulfillment for the requirements for the conferment of degree of

BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE AND ENGINEERING

By

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that the Mini Project work entitled **"SCHOOL MANAGEMENT "** is a bonafide work carried out by **Harshitha.V (1BY17CS062) & Harshitha.VN (1BY17CS063)** in partial fulfillment for the award of **Bachelor of Engineering Degree in Computer-Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2019-20. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in this report. The Mini project report has been approved as it satisfies the academic requirements in respect of project work for the B.E Degree.

Signature of the Guide1	**Signature of the Guide2**	**Signature of the HOD**
Mrs. Ambika G.N	Mrs. Vishaka Yadav	Dr. Anil G.N.

Name of the Examiners **Signature with Date**

1.

2.

ABSTRACT

The project is a web based application where administrator can register students for the courses in that particular area. The system automates the conventional process of enrolling by visiting the place of conduct.

Full Project Report On School Management System Abstract: This School Management System provides us the information about student record, school courses, school subjects, a web based student/school management system. School Management Software is an online application .

These modules give way in managing the organization efficiently. So, this project helps in efficient management of human resource inside the organization. Also, it consumes less time consumption. The main and important benefit of this proposed system is that it is very much user friendly and accurate. So the employees and the administrators feel so much comfortable to work with it. Also in all the modules the regularly updated information are very much useful when they are extracted.

ACKNOWLEDGEMENT

I am happy to present this Mini project after completing it successfully. This project would not have been possible without the guidance, assistance and suggestions of many individuals. I would like to express my deep sense of gratitude and indebtedness to each and every one who has helped me to make this project a success.

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Special thanks to all the staff members of Computer Science Department for their help and kind co-operation.

Lastly I thank my parents and friends for their encouragement and support given to me in order to finish this precious work.

By,

Harshitha.V

Harshitha.VN

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CHAPTER 1 1. INTRODUCTION

1.1 OVERVIEW OF THE PROJECT

The title of the project is “School Management system”.

This project provides effective Student Information Maintenance System (SIMS). By using this system college administrators and management can manage all students information, course details, subject details and session details.

It has facilities to generate various types of reports, which are requiredby the management during normal business operations to operate the business effectively.

1.2 AIM OF THE PROJECT

The aim of our project is to develop a system that is meant to partially computerize the work performed in the school board.

The system would be having two logins: admin and user login. Admin can add student and he can view student account details and can even add or update things in their account. Admin has to feed the system with data into respective student account. The system then calculates for every student and updates the information into their database every time of updation.

FEATURES

- **Admin login:** It has admin login who has the authority of the system and acts as a communicator between student and database. He adds student to the system. Admin can add and delete notifications and updates in the system.
- **Registration:** The students can register to any course as per their choice. There are feilds like name, email, phone number etc which are mandatory to fill the form.
- **Course:** The admin can update a new course, view them and monitor actions whether students are registering or not.
- **Subject:** The admin can update a new subject or remove the existing, view them and monitor the action.

The project aims and objectives that will be achieved after completion of this project are discussed in this subchapter.

project is based on the RDBMS technology; the main objective of this project into computerize the manual system & reduce the time consumption.In other words we can say that our project has the following objectives:-

- Make all the system computerize
- Reduce time consumption
- Reduce error scope
- All system managements are automated
- Centralized database management
- Easy operations for operator of the system
- No paper work requirement

CHAPTER 2 .LITERATURE SURVEY

The main purpose using School Management System Project is to avoid manual problems and also documentation storage problem we can't maintain long period data that's why we used computerized system to overcome all problem related to school's data storing and other arias.

This website handles online student admission procedure.This project works on dynamic website handling.

The project show time to time event information related to school. The proposed website controls student information and session details.

This is web based project it's provide privilege facility for security purpose and provide login facility according to designation and restrict unauthorized used, if user is not admin then it can't access everything, this project provide four type of designation facility and access permission.

We can generate report according to date & show all report also; Because of manual system we faced many problems. The maintenance cost of manual system was very high. And they didn't store historical information and not possible to view all at a time.

This web site reduces the time & cost and provides the facility to retrieve student all information according to requirement.

School event and all activity related information display on this web site, the school related latest news display on this site

School related all information display on this project.

Existing System of School Management System:

In the existing system the exams are done only manually but in proposed system we have to computerize using the application.

- Lack of security of data.
- More man power.
- Time consuming.
- Consumes large volume of manual work.
- Needs manual calculation.
- No direct role for the higher officials.

Proposed system of school management system:

The aim of proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system provides proper security and reduces the manual work.

- Security of data.
- Ensure data accuracy.
- Proper control of the higher officials.
- Minimize manual data entry.
- Minimum time needed for the various processing.
- Greater efficiency.
- Better service.
- User friendliness and interactive.
- Minimun time required.

CHAPTER 3

3. REQUIRMENTS SPECIFICATION

3.1 HARDWARE CONFIGURATION

- PROCESSOR : Intel core i3 processor
- RAM : 4GB
- HARD DISK : 30GB free space

3.2SOFTWARE CONFIGURATION

- OPERATING SYSTEM : Window XP, Windows 7 ,Windows 10
- ENVIRONMENT : Net Beans 8.2
- LANGUAGE : PHP, HTML (front-end)
- DATABASE : MYSQL Server, WAMP Server (back-end)

PHP:

The PHP Hypertext Pre-processor (PHP) is a programming language that allows web developers to create dynamic content that interacts with databases. PHP is basically used for developing web based software applications.

PHP is a server-side scripting language designed for web development but also used as a general-purpose programming language. PHP is originally stood for Personal Home Page, it now stands for PHP: Hypertext Preprocessor, PHP code can be simply mixed with HTML code, or it can be used in combination with various templating engines and web frameworks. PHP code is usually processed by a PHP interpreter, which is usually implemented as a web server's native module or a Common Gateway Interface (CGI) executable. After the PHP code is interpreted and executed, the web server sends the resulting output to its client, usually in the form of a part of the generated web page; for example, PHP code can generate a web page's HTML code, an image, or some other data.

HTML:

Hyper Text Markup Language, commonly referred to as HTML, is the standard markup language used to create web pages. Web browsers can read HTML files and render them into visible or audible web pages. HTML describes the structure of a website semantically along with cues for presentation, making it a markup language, rather than a programming language.

HTML elements form the building blocks of all websites. HTML allows images and objects to be embedded and can be used to create interactive forms. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items.

- HTML stands for Hyper Text Markup Language.
- An HTML file is a text file containing small markup tags.
- The markup tags tell the Web browser how to display the page.
- An HTML file must have an htm or html file extension.

MYSQL:

MySQL is an open source relational database management system (RDBMS) based on Structured Query Language (SQL).MySQL is the most popular database system used with PHP. MySQL is a popular choice of database for use in web applications, and is a central component of the widely used LAMP open source web application software stack (and other 'AMP' stacks).LAMP is an acronym for "Linux, Apache, MySQL, Perl/PHP/Python." Free-software-open source projects that require a full-featured database management system often use MySQL.

- MySQL is a database system used on the web.
- MySQL is a database system that runs on a server.
- MySQL is ideal for both small and large applications.
- MySQL is very fast, reliable, and easy to use.
- MySQL compiles on a number of platforms.
- MySQL is free to download and use.
- MySQL is developed, distributed, and supported by Oracle Corporation.

CSS:

CSS is an abbreviation for Cascading Style Sheets. CSS works with HTML and other Markup Languages (such as XHTML and XML) to control the way the content is presented. Cascading Style Sheets is a means to separate the appearance of a webpage from the content of a webpage. CSS is a recommendation of the World Wide Web Consortium (the W3C). The W3C is a consortium of web stakeholders: universities, companies such as Microsoft, Netscape and

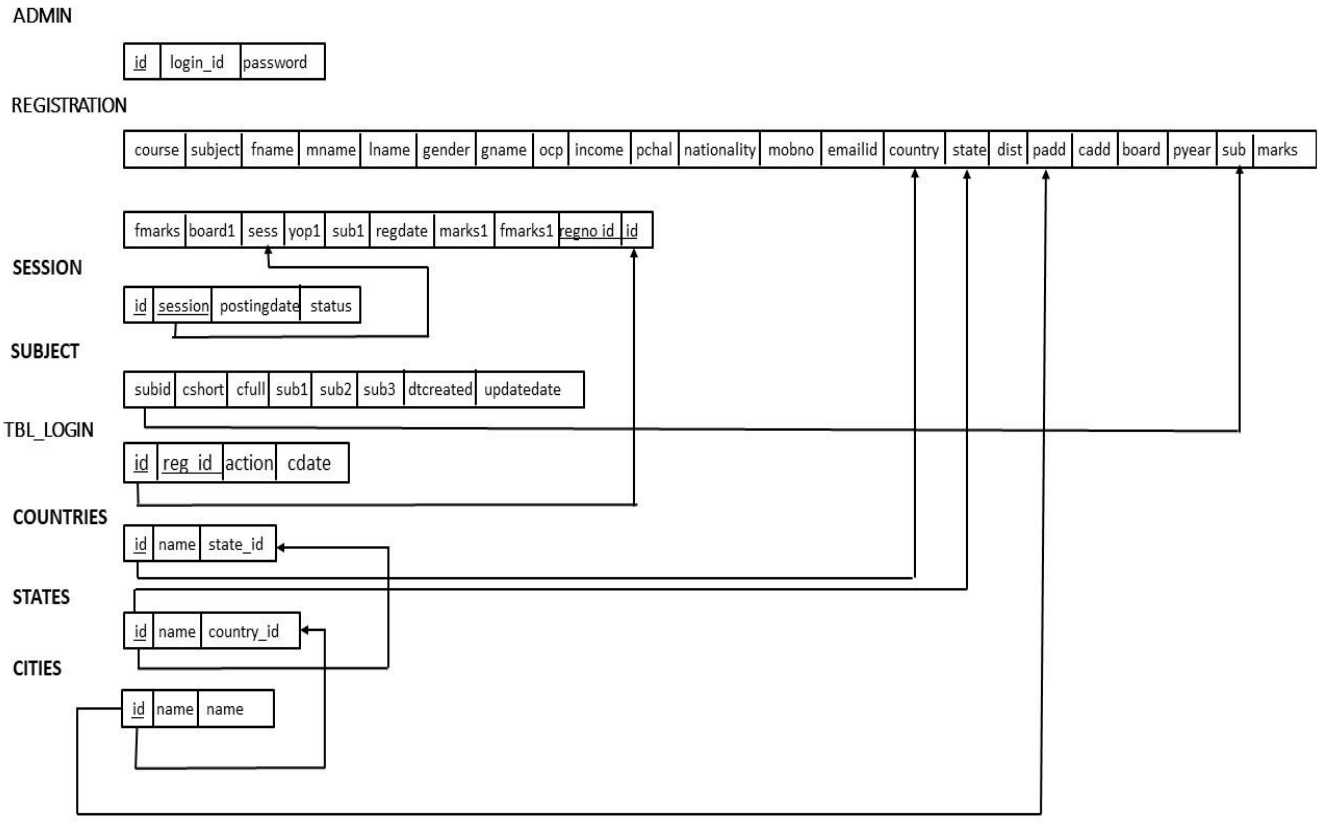
Macromedia, and experts in many web related fields. The presentation is specified by styles, which are presented in a style sheet.

BOOTSTRAP TEMPLATE:

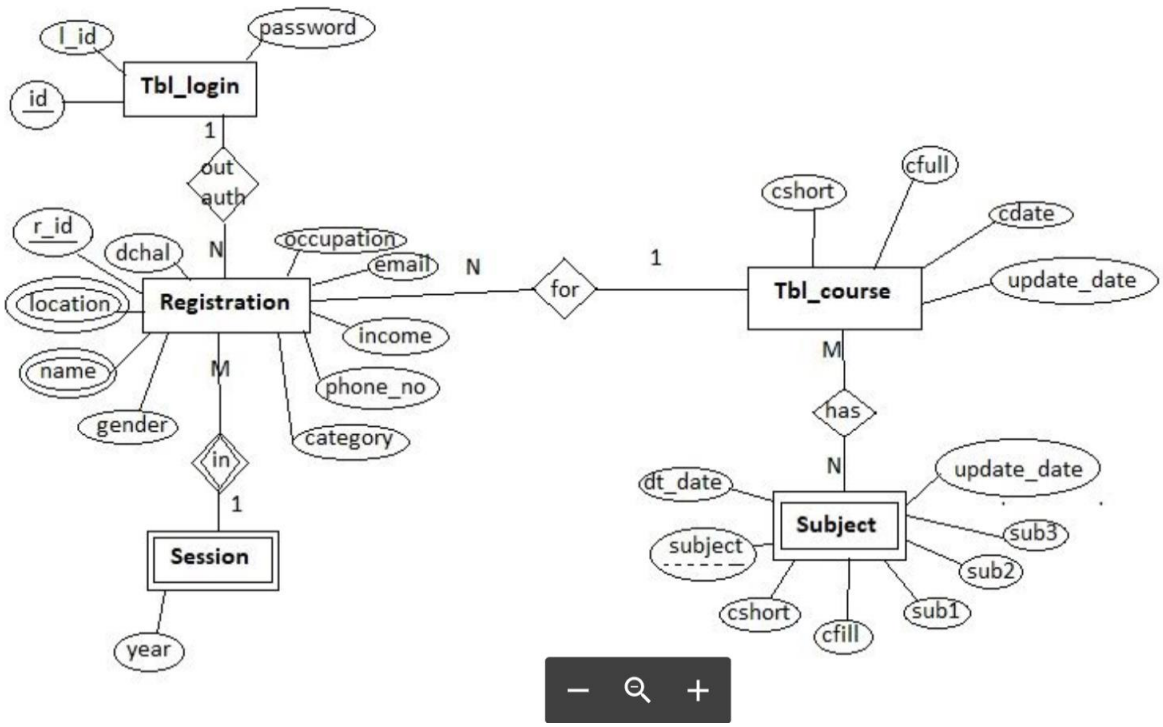
Bootstrap is a free and open-source collection of tools for creating websites and web applications. It contains HTML- and CSS-based design templates for typography, forms, buttons, navigation and other interface components, as well as optional JavaScript extensions. It aims to ease the development of dynamic websites and web applications. Bootstrap is a front end framework, that is, an interface for the user, unlike the server-side code which resides on the "back end" or server.

CHAPTER 4 4. DESIGN

4.1 SCHEMA DIAGRAM:



4.2 ER-DIAGRAM



CHAPTER 5 5. IMPLEMENTATION

5.1 PSEUDO CODE

LOGIN-PSEUDOCODE

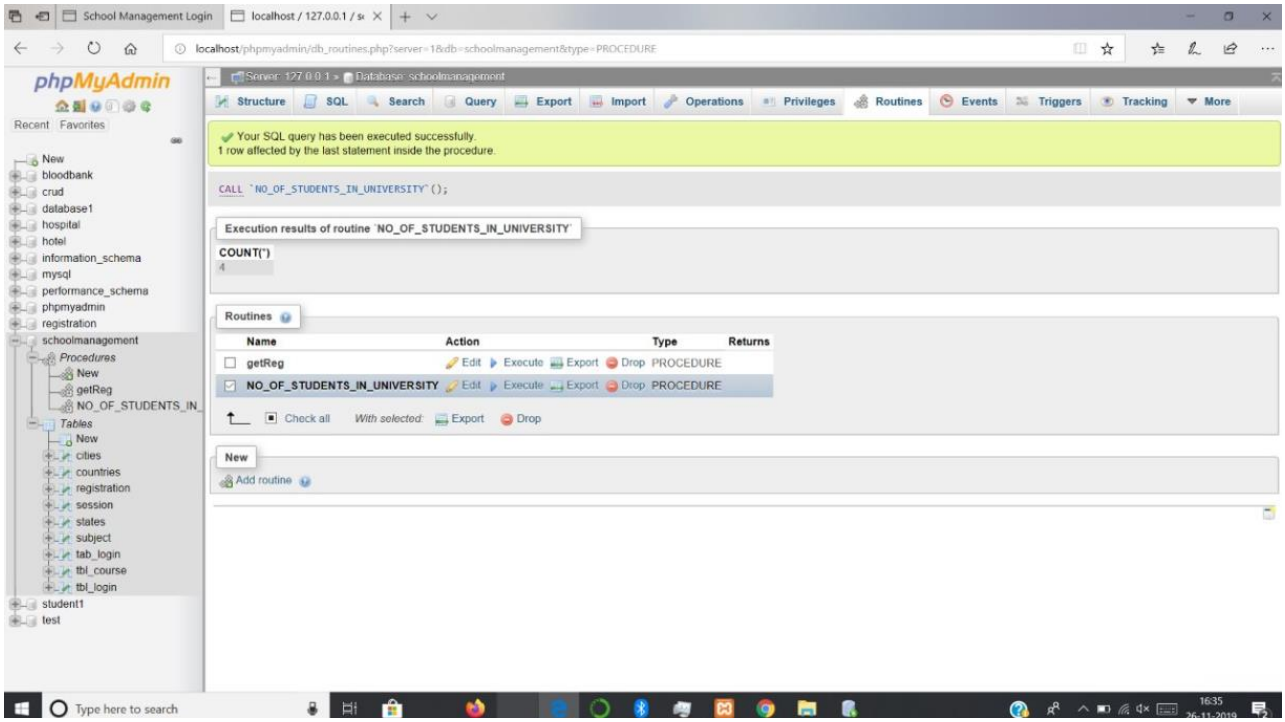
```
 <?php
session_start();
if(isset($_POST['submit'])){

 include('../config/DbFunction.php');
 $obj=new DbFunction();
 $_SESSION['login']=$_POST['id'];
 $obj->login($_POST['id'],$_POST['password']);
}


?>
<!DOCTYPE html>
<html lang="en">

<head>
<style>
body {
  background-image: url("pic8.jpg");
  background-size: 100% 100%;
}

</style>


    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <meta name="description" content="">
    <meta name="author" content="">

    <title>School Management Login </title>

    <!-- Bootstrap Core CSS -->
    <link href="../bower_components/bootstrap/dist/css/bootstrap.min.css" rel="stylesheet">

    <!-- MetisMenu CSS -->
    <link href="../bower_components/metisMenu/dist/metisMenu.min.css" rel="stylesheet">

    <!-- Custom CSS -->
    <link href="../dist/css/sb-admin-2.css" rel="stylesheet">
```

```
    <!-- Custom Fonts -->
    <link href="../bower_components/font-awesome/css/font-awesome.min.css" rel="stylesheet"
type="text/css">
<link rel="stylesheet" type="text/css" href="../dist/css/jquery.validate.css" />
    <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media queries -->
    <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
    <!--[if lt IE 9]>
        <script src="https://oss.maxcdn.com/libs/html5shiv/3.7.0/html5shiv.js"></script>
        <script src="https://oss.maxcdn.com/libs/respond.js/1.4.2/respond.min.js"></script>
    <![endif]-->

</head>

<body>
 <h1 style=" background: linear-gradient(#0548b5,rgb(136, 247, 184));font-family: 'Alfa Slab
One';margin: 2px;"><center>STUDENT RECORD MANAGEMENT SYSTEM</center></h1>
 <marquee behavior="alternate" scrollamount="3" style="background: red;font-family:
'Aldrich';font-size: 30px;;height: 2.0em;">ADMISSIONS OPEN NOW!!! GRAB YOUR
SEAT!!!</marquee>
    <div class="container">
        <br><br><br><br>

            <div class="col-md-4 col-md-offset-4">

                <div class="panel panel-primary">

                    <div class="panel-heading">
                     <h3 class="panel-title">Sign In</h3>
                    </div>
                    <div class="panel-body">
                        <form method="post">
                            <fieldset>
                                <div class="form-group">
            <input class="form-control" placeholder="Login Id"  id="id"name="id" type="text"
autofocus autocomplete="off">
                                </div>
                                <div class="form-group">
                                    <input class="form-control" placeholder="Password"
id="password"name="password" type="password" value="">
                                </div>

                                <!-- Change this to a button or input when using this as a form -->
                                <input type="submit" value="login" name="submit" class="btn btn-lg btn-
success btn-block">
                            </fieldset>
                        </form>
                    </div>
                </div>
```

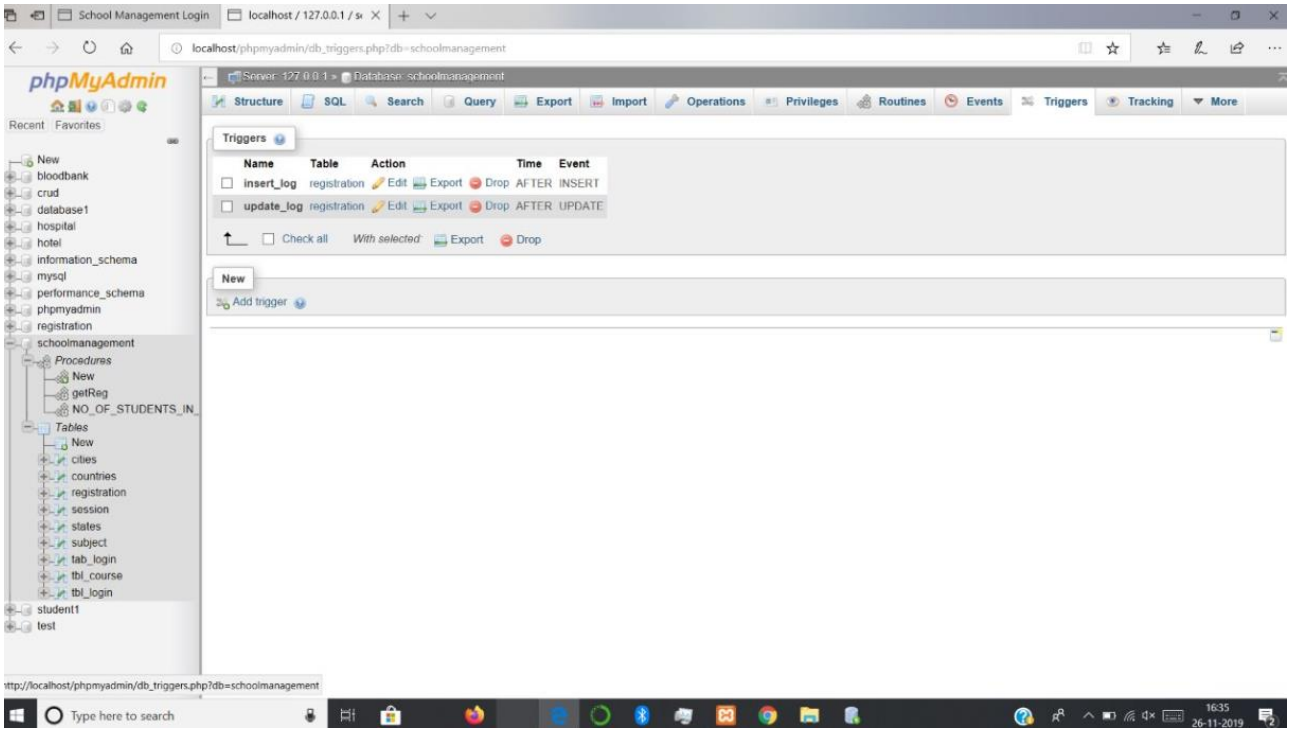
```
        </div>
      </div>
    </div>

    <!-- jQuery -->
    <script src="../bower_components/jquery/dist/jquery.min.js"></script>

    <!-- Bootstrap Core JavaScript -->
    <script src="../bower_components/bootstrap/dist/js/bootstrap.min.js"></script>

    <!-- Metis Menu Plugin JavaScript -->
    <script src="../bower_components/metisMenu/dist/metisMenu.min.js"></script>

    <!-- Custom Theme JavaScript -->
    <script src="../dist/js/sb-admin-2.js"></script>
 <script src="../dist/jquery-1.3.2.js" type="text/javascript"></script>
 <script src="../dist/jquery.validate.js" type="text/javascript"></script>
 <script type="text/javascript">

          jQuery(function(){
             jQuery("#id").validate({
                expression: "if (VAL.match(/^[a-z]$/)) return true; else return false;",
                message: "Should be a valid id"
             });
             jQuery("#password").validate({
                expression: "if (VAL.match(/^[a-z]$/)) return true; else return false;",
                message: "Should be a valid password"
             });

          });

       </script>
 <br>
                    <br>
                    <br>
       <h2 style=" background: linear-gradient(#0548b5,rgb(136, 247, 184));font-family: 'Alfa Slab
One'"><p >DEVELOPED BY:</p></h2>
       <h3 style=" background: radial-gradient(#0548b5,rgb(255, 255, 255));font-family: 'Alfa Slab
One'"><p >HARSHITHA V</p></h3>
       <h3 style=" background: radial-gradient(#0548b5,rgb(255, 255, 255));font-family: 'Alfa Slab
One'"><p >HARSHITHA V N</p></h3>

       <br>
       <br>
       <h2 style=" background: linear-gradient(#0548b5,rgb(136, 247, 184));font-family: 'Alfa Slab
One'"><p >UNDER THE GUIDANCE OF:</p></h2>
       <h3 style=" background: radial-gradient(#0548b5,rgb(255, 255, 255));font-family: 'Alfa Slab
One'"><p >AMBIKA G N</p></h3>
       <h3 style=" background: radial-gradient(#0548b5,rgb(255, 255, 255));font-family: 'Alfa Slab
One'"><p >VISHAKA YADAV</p></h3>
```

```
    <br>
</body>
</html>
```

STORED PROCEDURE-PSEUDOCODE



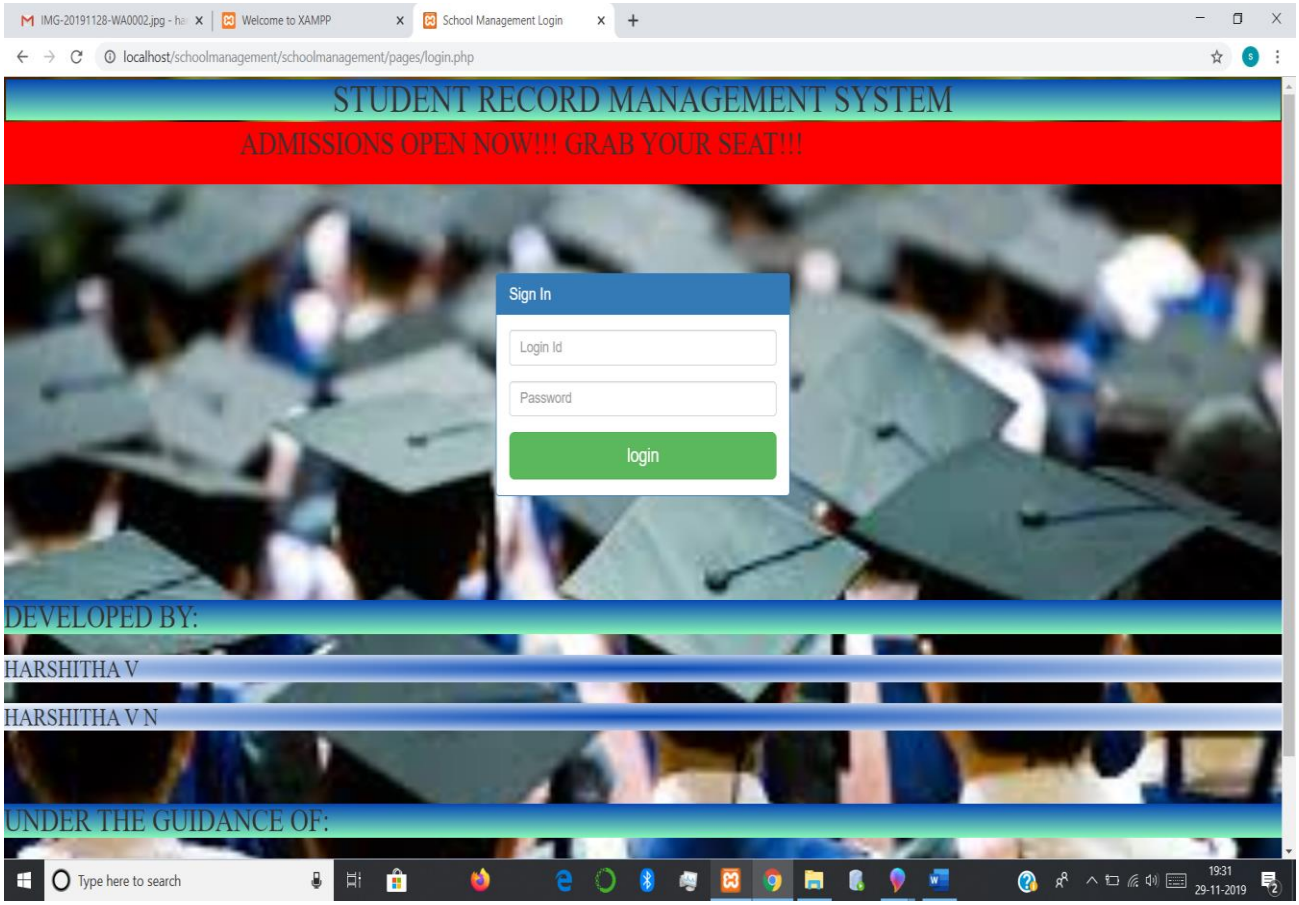
TRIGGER-PSEUDOCODE



CHAPTER 6 6. SNAPSHOTS

Login Page:

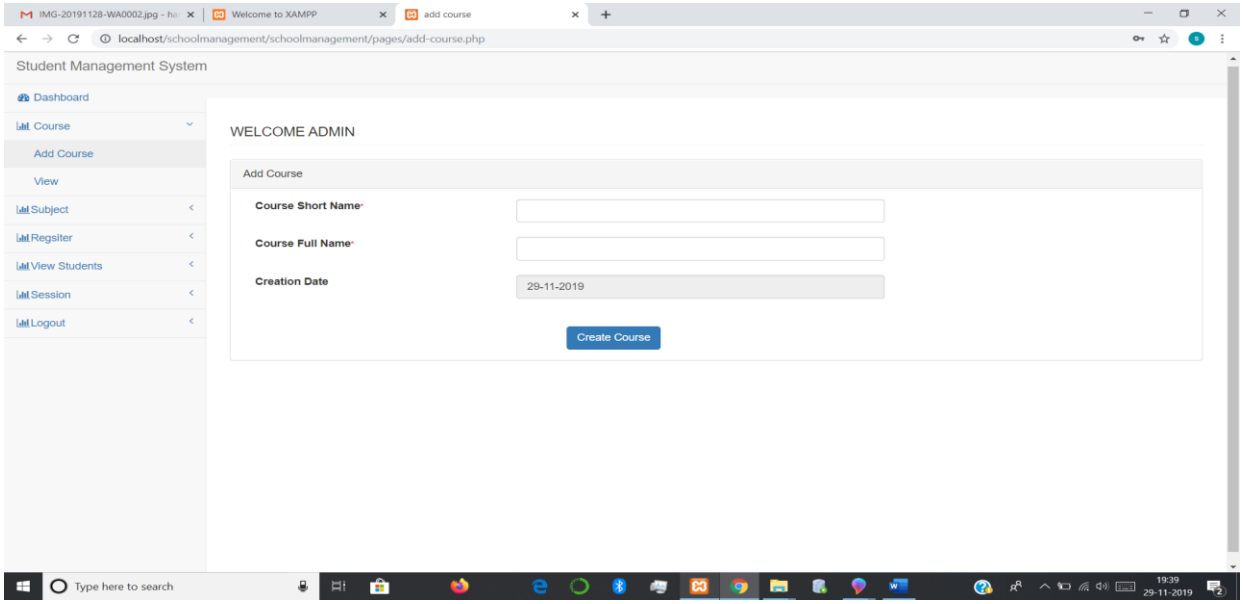
Admin and School Management can login through this login Page by entering user name and password



School Management System Login Page

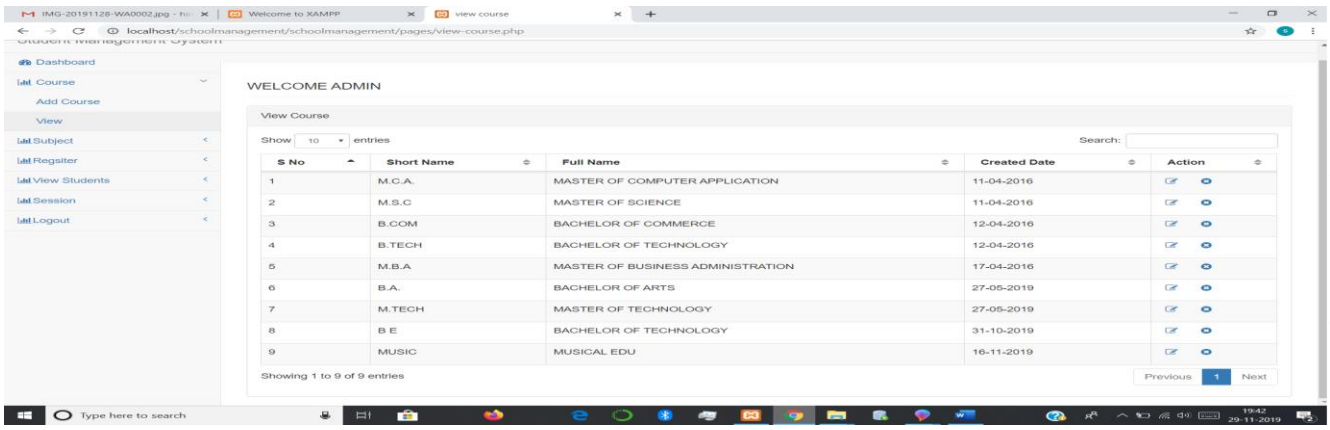
Home Page View

After logging into the system, admin will be able to see a dashboard, and manage all menu options like course, subjects, registration, session, city and logins .



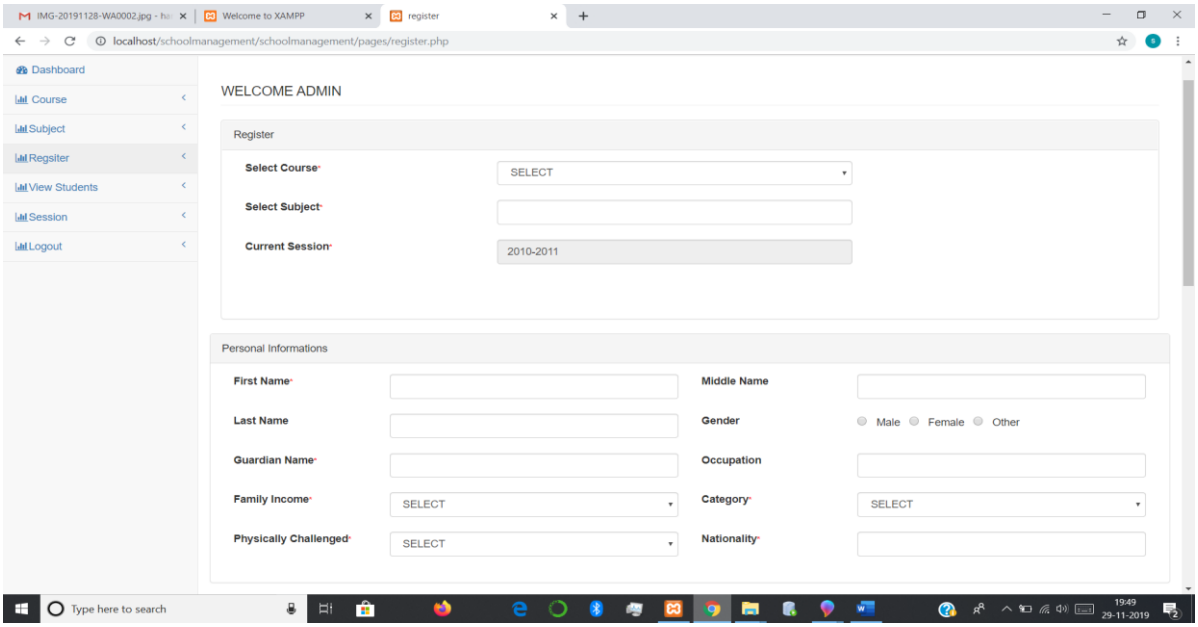
Welcome page where admin can a new course and is provided with different operations.

Course page view



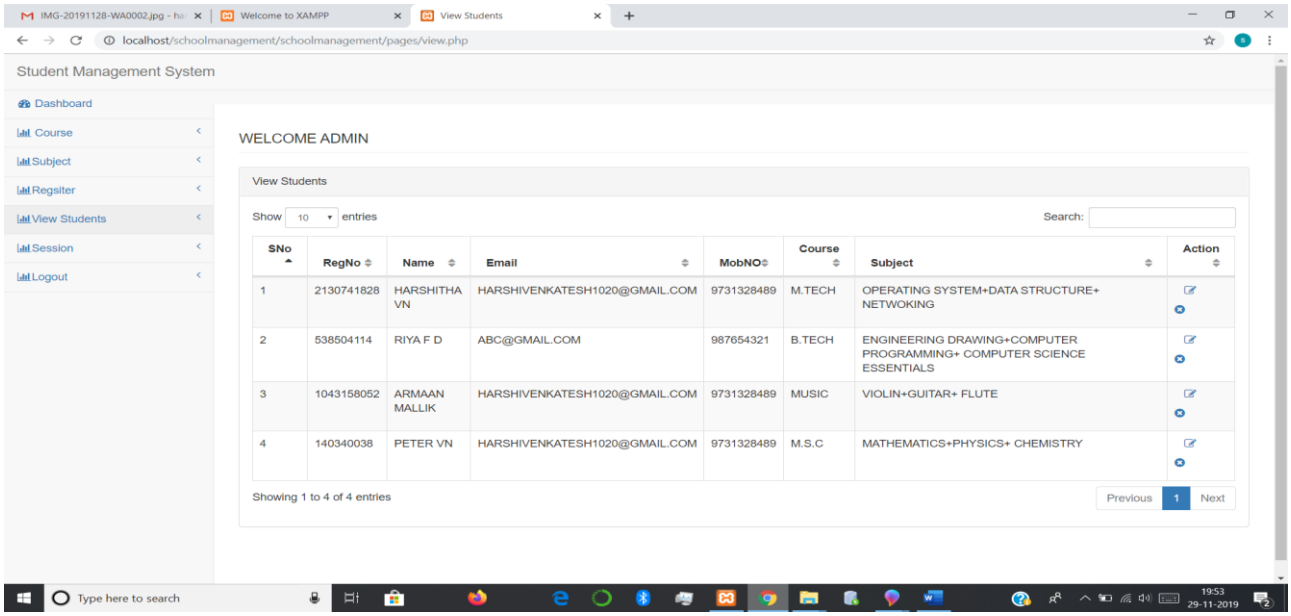
All the available courses will be displayed along with an edit option.

Subject entry page



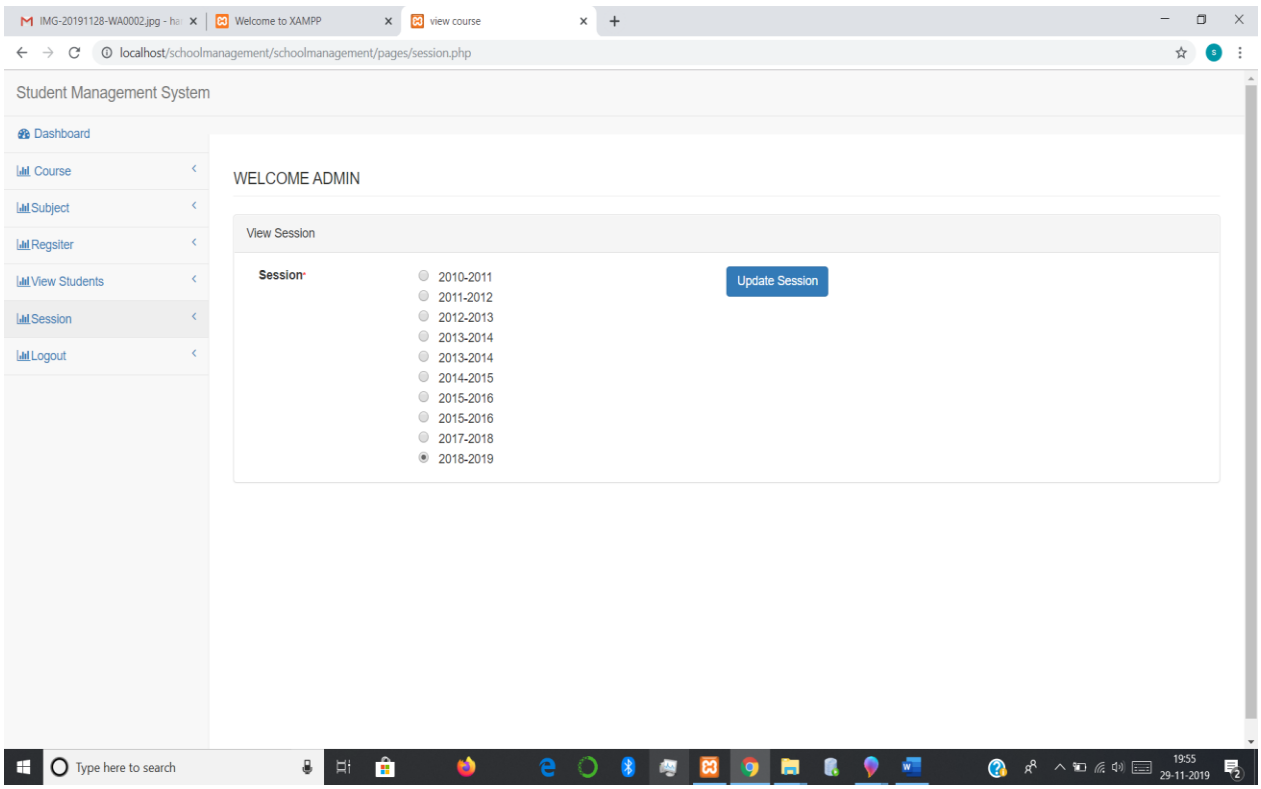
All the student information can be entered in this page.

Student Registraion view



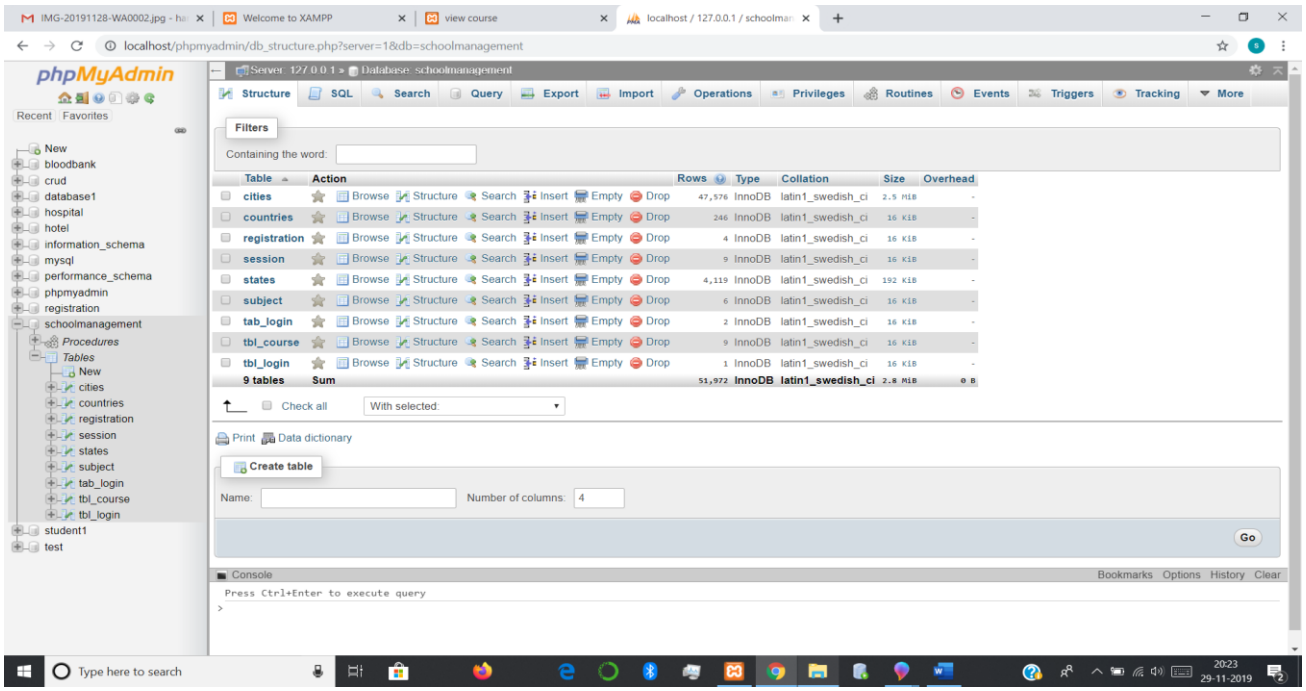
View which shows the registered students with an edit and search option.

Session page view

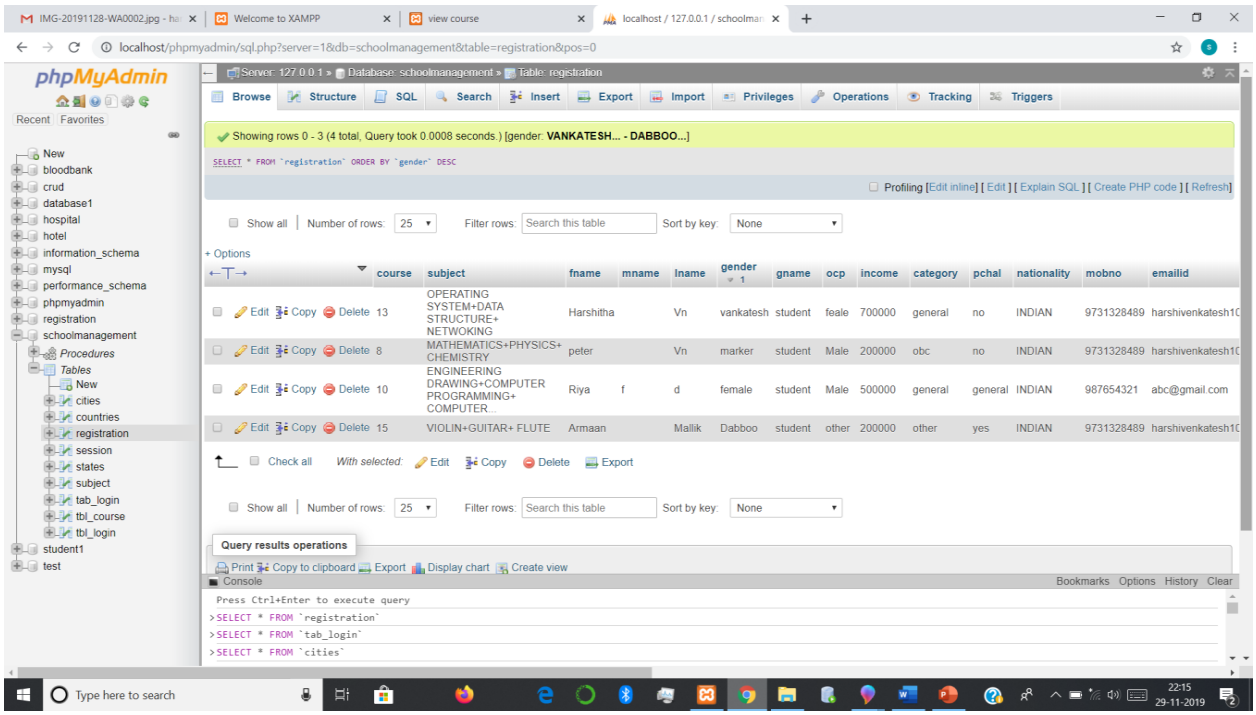


DATABASE SNAPSHOTS

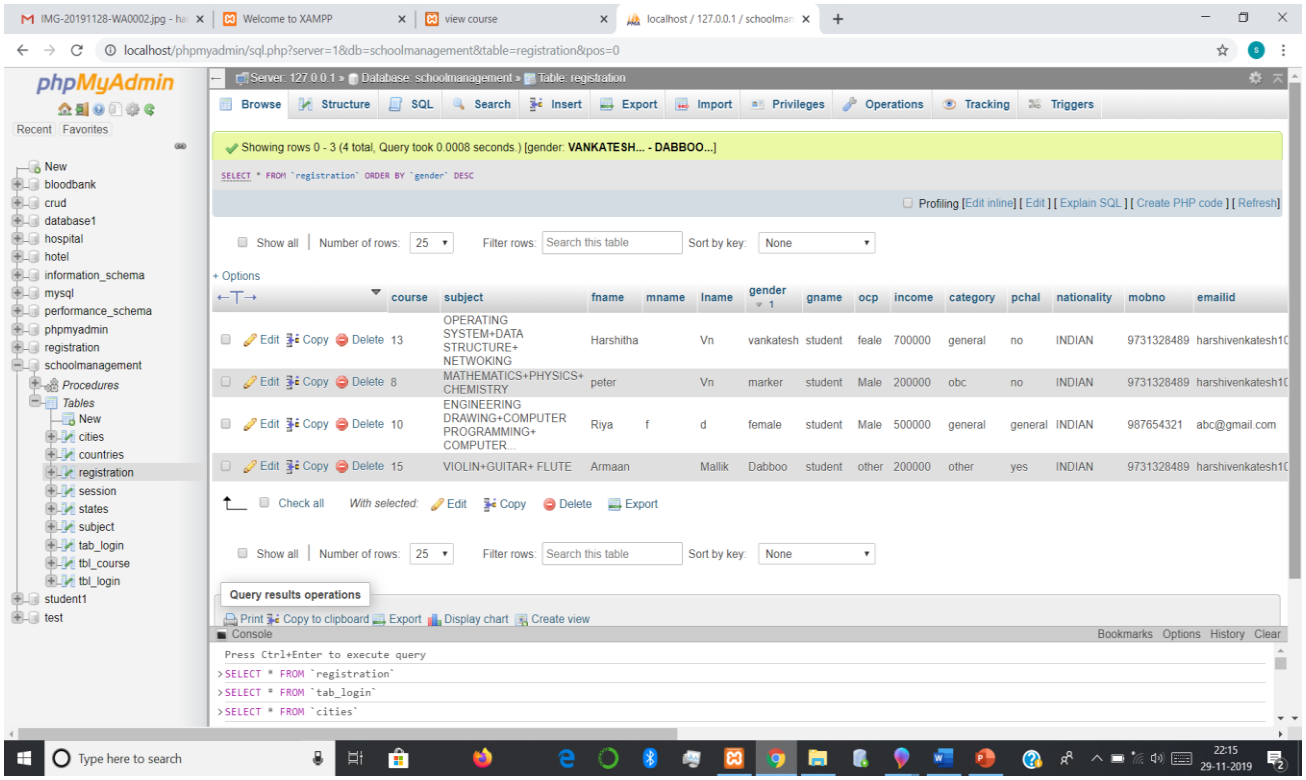
➢ DATABASE STRUCTURE



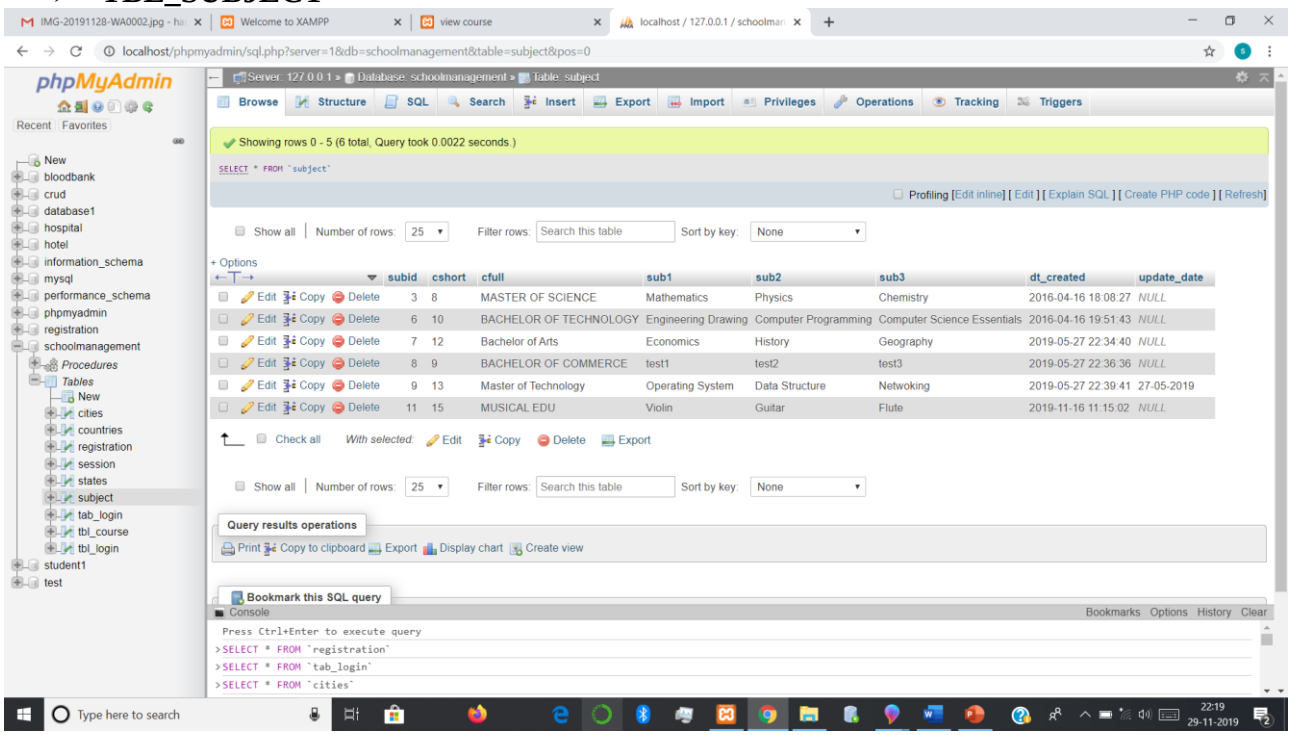
➢ REGISTRATION TABLE



- **TBL_COURSE**



- **TBL_SUBJECT**



CONCLUSION

Nothing is perfect in this world. So, we are also no exception. Although, we have tried our best to present the information effectively, yet, there can be further enhancement in the Application.We have taken care of all the critical aspects, which need to take care of during the development ofthe Project.

Like the things this project also has some limitations and can further be enhances bysome one, because there are certain drawbacks that do not permit the system to be 100%accurate.

This software reduces the amount of manual data entry which is a tiresome process and gives greater efficiency. The user interface of it is very friendly and can be easily used by any one. It provides us safety and accuracy where students can register from any place and at any time

;

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