RAYAT SHIKSHAN SANSTHA'S

C.D. JAIN COLLEGE OF COMMERCE, SHRIRAMPUR

A project Report On

"Online Course Registration"

Submitted To

University of Pune

In Partial Fulfilment of the Requirement

Of BBA (CA)-III

Bachelor of Business Administration

(Computer Application)

Submitted By

Mr. Bodkhe Nilesh Laxman

Mr. Vishwambhar Sumit Bharat

Under Guidance Of

| Mr. Nabge.A.D |

During Academic Year

2022-2023

RAYAT SHIKSHAN SANSTHA'S

C. D. JAIN COLLEGE OF COMMERCE, SHRIRAMPUR

CERTIFICATE

(Department Of BBA (CA))

This is certify that project entitled "Online Course Registration " submitted by **Mr Bodkhe Nilesh Laxman & Mr. Vishwambhar Sumit Bharat** student of **BBA (CA)-III** (Bachelor of Business Administration And

Computer Application) had satisfactorily completed the project during the academic year 2022-23

Date: _ _ /_ _ /_ _ _ _

Project Guide: Mr.Nabge.A.D

Head of Department Mr. Chandratre Y.V

Internal Examiner

External Examiner

ACKNOWLEGEMENT

We are really happy to present project “Online Course Registration” in PHP & MySQL. We would like to thank Chandratre sir (head of Department) for allowing making full use of lab facility. We thank to Mr.Nabge.A.D spends there valuable time for us and they gives us advice and useful suggestions about system. We are very thankful to our Mr.Nabge.A.D guided us throughout the project without of them our project would not be successful. It reach up to the present stage because of their dedication and guidance.

And also special thanks to those who helped us for completing this

project successfully they solve all our problems ,error occurred while making a project and they suggested changes due to the which our project look more attractive and give us idea of project.

Place: Shrirampur **Date: / /**

Signature: **Signature:**

Mr. Bodkhe Nilesh laxman Mr. Vishwambhar Sumit Bharat

DECLARATION

I Mr. Bodkhe Nilesh Laxman & Mr. Vishwambhar Sumit Bharat of **BBA(CA)-** C. D. Jain College of Commerce, Shrirampur declare that the project entitled **"**Online Course Registration**"** have been successfully & this project is submitted towards the partial fulfilment of the requirement of the degree of **BBA(CA).**This project is not submitted for any other Degree, Diploma or other similar title or prize in any other university**.**

Place: Shrirampur

Date: / /

Signature: **Signature:**

Mr. Bodkhe Nilesh **Mr. Vishwambhar Sumit**

Company Letter:

Om Sai Ram Academy

Near Krushi Utpanna Bajar Samiti ,
Shrirampur, Ahemadnagar,
Maharashtra.
413709

Prof.Pawar
- 9022345687

Date: 05/02/023

CERTIFICATE

This certify that Mr. Vishwambhar Sumit & Mr. Bodkhe Nilesh, Student of C .D .Jain College of commerce (TYBBA(CA)) Shrirampur. Visited to our classes "Om Sai Ram academy ", Shrirampur, Maharashtra .

They have gather all the required information concerned about their project work. They have still working on their work on "om Sai ram academy".

I appreciate their efforts and sincerely wish them all the best for Future endeavours.

Prof. Pawar

Om Sai Ram Academy

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1. Introduction

For simplicity and better understanding of The Teachers And Students , this software is designed in English language.

Online Course Registration System is Web-based registration software that helps you to register courses online. It is ideal for schools, educational camps, corporate training programs, and online training programs. It also provides time to time current status information related to courses. It can help for the student need to register by giving necessary details, for the desired course.

It would avoid confusion and help to operate the software easily. Also, such a software that is easy to use will reduce the work of Teachers And Students to select course easily, who still maintain all the logs in registers or files and for Advertisement they use papers . It would be of great benefit as all work would be done easily on the click of a button.

The software allows users to access and Select their courses through this Website . It also enables Students to change or update their profile .

Admin can delete users and update users.

The software also has different features for both Admin and Students.

Online Course Registration is an interface between the Student and the Registrar responsible for the issue of Course. It aims at improving the efficiency in the issue of Course and reduces the complexities involved in it to the maximum possible extent.

1.1 Motivation

To create a system through which students can register to the courses desired by them. We are Bodkhe Nilesh And Vishwambhar Sumit from T.Y.B.B.A(C.A) we are suppose to do the project for semester five together. As a it related student or technical student for the project we have to make a web site as our background is commerce specifically so we suppose to add Registration like activities in our project or web site that we going to make.

1.2 Problem Statement

The system is built to be used by students and managed by an administrator. The student and Admin have to login to the system before any processing can be done. The student can see the courses available to him/her and register to the course he/she wants. The administrator can maintain the course details and view all the students who have registered to any course.

We propose a system that will make the entire course Registration process an automated system. The important features of the proposed system are as follows:

The software will be made in English language as demanded by the om sai ram Classes .For security reasons, a Login feature will be provided so that only the Admin can operate the Website. Facility to change the password will also be available for Admin And Also for Students whom are getting a course from this classes . The system will also contain facility for manipulating the information of cadets seeking training in om sai ram Classes as well as generate their bills based on number of Courses they have enrolled .

It contain options for adding or deleting a Course, viewing the current Courses Or select different types of courses .

It contains option for updating profile picture of student. The recovery for the entire Courses which have selected by students will be Able to change. The website will also contain to check a History Options for students and admin.

1.3 **Purpose Objective and goals**

- Purpose:

The purpose of this document is to provide design details of the Online Course Registration Website so as to allow Students and system developer to have document of reference.

The project is an Web Based System used to manage course Details and Registration time duration along with course selection processes.

- Objective :

The project objective will be focused on developing an online course registration to ensure the effectiveness of the flow of registration. Moreover the system will offer a complete management system that integrated with the online course registration to help the stakeholder for maintaining the flow process of the course.

The current research aims at reducing the workload all the entities involved in the registration procedure for the students. The current manual system faces different challenges as to maintaining data of each student manually. Hard copy registers are maintained currently to verify student details. From students' point of view, they have to fill the forms manually and then get them verified from concerned officials, which is a very time consuming process. The objectives of this proposed website application system are:

Goals :

- To computerise student and faculty database.
- To maintain data consistency and integrity.
- Automate the registration process without any physical human interaction
- Making the registration process accessible anywhere to the student.
- Allowing faculty to acknowledge registration requests from anywhere.

With the requirement of registration process for every semester, it becomes all the more important to simplify a process which is highly repetitive. The achievement of the above objectives can help the institution in managing the resources efficiently. The automated process will lead to time saving and eradication of common errors.

1.4 **Literature survey**

In this section describes various approaches for detecting the problems in course registration process using registration processing technique

An online course registration system streamlines the website, registration, and monitoring of students in a training institute. online course registration systems is website that allow users to register for memberships, select course and training by completing a form. Online course registration systems are replacing manual processes, such as registering by telephone, mail or at events using paper forms. Many universities and educational institutions have a wide range of courses, students. Registering for classes on line reduces paperwork, personnel, cost and conserves resources. a system where many of you register for courses online. The website shows all the courses that are inserted by admin in each semester and also knows which ones you are taking. It makes sure that a student can't register for too many courses, and that a course is not oversubscribed.

An Online Course Registration System Project Report from Nilesh Bodkhe and Sumit Vishwambhar of the BBA(CA) at the Savitribai Phule Pune university saw that there was need for structured storage, modification and maintenance of huge amounts of data that had resulted in the emergence of the project as one of the core fields in the Computer Science industry. PHP project is the system of computer software that is aimed to provide a managing tool for maintaining the data, through various data models. An Online Course Registration system for University of Pune was developed with a frontend web interface and a back-end database. An example of the system had been University of pune Registration .A Database system had to be chosen as the back-end such as Oracle, MySQL, Microsoft SQL Server, DB2, and Access. A web server had to be chosen for the front end such as Tomcat, Glassfish, Run, etc. A server side language had to be chosen such as PHP, Dbms, Java script, etc. The practical implementation of a real time database management system made them understand the intricacies involved in designing the database schema with inter related constraints and the complexity that exists in integrating the frontend system with the back end data-store. Their project was developed keeping in mind the functionalities for students and Admin and the project also provided all the functionalities specified in the project document and more functionality can be added over the existing one so that the system has more enhanced features and is more efficient. In this project, a web-based course registration system is to be designed and implemented . The main aim is to utilize the advantages of component-based development to solve the issues associated with most online

course registration systems. Developing this online system using components will provide the following benefits: Quicker Development of System, Better Services Provided to Users, Friendlier User Interface, and Adaptable to Changes in Functionality, Flexibility in Upgrade and Replacement of System Components, Easier Maintenance, Simpler Testing and Analysis. The proposed web-based course registration system is a system that allows students and Admin to have access to different services.

1.5 **Project Scope & limitations:**

1.5.1 Scope:

The studies will develop an Online Course Registration, specifically for the Om Sai Ram Classes With this system, it will affect the stakeholder of the Om Sai Ram Classes such as:

Administrator /Instructor

The Administrator for the system will be divided to several privileges on how they can use the system. Administrator for example, have all the privileges such as adding instructor, adding courses, update information, adding downloadable material, registration module, etc., but Instructor only have several privileges on what they can do and not do in the Online course registration system.

Student/User

Student will get a more accessible way in order to register and booked the seat for the courses. They also can get updates from administrator keep track on the progress of the course.

1.5.2 limitations:

In this project there are 2 objectives to achieve which are developing online course registration system for the Om Sai Ram Classes in Shrirampur . This project will focused on how to make the registration flow as simple as possible and also automated in the flow process.

However there are limitations which is not be covered in this project. Even though the registration for the user will be done online, some flow of the process will be still done manually, such as submitting the official receipt to instructor. This is because of Multimedia University policy that not allows administrator to access the student financial report. Yet the system itself will allow user to upload the proof of payment trough online registration.

2.System Analysis

The purpose of this document is to present a detailed description of the online course registration system . It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and what kind of system interactions take place.

2.1.Existing systems

The existing system involves the student filling five identical forms called yellow forms which contain student's personal details as well as the courses he/she has to register during the next semester. After filling those forms, the student gets them signed by the respective subject teachers and the Advisor assigned. Then the student submits the semester fees and obtains the fee receipt and gets the signature of the Accounts Officer by obtaining the fee receipt. After this process, Dean Nominees acknowledges and confirms all the signatures and receipts and finally the forms are submitted in the administrative block. The student also receives one of the copies of the Yellow Form. As is evident, the student and faculty are hassled whilst completing the registration formalities and moreover, it leads to an added discomfort.

2.2- scope and limitations of existing systems

There Are Hundreds of Software Already In Market Providing Facility of online course registrstion process But,They are not a specialized in this facility, From Personal Experience to Handling This website, They Provide Other Facilities Like Students counting , Student Details ,Delete user ,pay fees Etc. So Cause Of, Not Focused, There Are Some Functional Bugs in Them, We try to conceptualize this bug into a new solution to the online course registration .

The current system operated some of the following processes in its functionality:

Paying of the money at the bank.

Serving of students at windows to cash in receipts.

Data capture of the details submitted by students.

Issuing of the registration forms to the students.

Submission of the signed forms at the registration offices.

2.3-**project perspective, features** :

2.3.1Perspective:

We developed the project that defiantly overcome the limitation of existing system of the classes . The documentation maintenance problem will be solve after handling the website provided by us a smarter and digitized way will maintain through out the website system is very easy to handle and operate only we need a basic known person of computer who can fill the forms on the website efficiently.

Our system configuration need is not very high we demand the basic configuration the computer have where system will gonna be operate on 4 GB RAM that available almost all the computer is needed to install our system.

2.3.2Features:

User/student has to login with valid registration number & password given by the Admin. Student/user can easily enroll for any course by selecting and can printout of registered course. In this site, the pin code will be asked when student enroll for courses. Admin can add semester, department, manage course, Students and many more. It's easy to operate and understand by users. The design is pretty simple and user won't find it difficult to understand, use and navigate.

Admin

- Secure Login
- Manage Session
- Manage Semester
- Manage Department
- Manage Course
- Register Student
- Manage Student
- List of Enrolment History
- List of Student Logs
- Print Enrolment Records

Student

- Secure Login
- Update Password
- Update and View Profile
- Enrol
- View List of Enrollment History
- Print Enrollment Records

2.4 Stakeholders

Profile :

Class Name: Om Sai Ram Classes

Founder: Prof. Pawar

Established on: 2012

Proprietor: Prof. Pawar

We visited to the “Classes ”. The class name is “om sai ram classes ”. The class is near to C.D.Jain College campus at Shrirampur, Tal- Shrirampur . This classes was established in 2012 from last 11 years prof. Pawar Teaching or handling this Classes. They are the owner of this classes or privet institute .They are inputted maintain all transactions & all work manually .

Student opened account or register for courses which is maintained by prof. Pawar .

By using different registers and for maintained of daily details and news also use registers and papers .

But to maintained the record by using paper or registers, which is not easy to handle properly, this online course registration website plays an important role of maintaining of student courses registrations , selected course and joining dates details As well as student details, purchased course details, transaction with Students transaction with class system Add detail slots empty or Full details .

The quick service is provided to the Students by “ Om Sai Ram Classes ” .

2.5 Requirement analysis

2.5.1Functional requirements

These are a set of features within the website which includes the inputs, processes, outputs and data stored for service within the system. The requirements are explained below as:

Inputs:

The following are needed as input within the system

- Student registration number and password.
- The Student details which include name, address, pincode , year of study, and all student details required for registration.
- The Registrar's, the Faculty personnel's details, the Admins and chairperson's username and password.

2.5.2Performance Requirements :

The Website will be carrying out the following processes:

- Storage of student's details into the database.
- Storage of the Registrar's, the Faculty Teachers details, the Cashier's and Class Admin details.
- Creating audit trails and tracking all session as on logs in and out.

2.5.3security requirements

Confidentiality: preserve the access control and disclosure restrictions on information.

Guarantee that no one will be break the rules of personal privacy and proprietary information.

Integrity: avoid the improper (unauthorized) information modification or destruction .

Here is included ensure the non-repudiation and information authenticity.

Availability: the information must be available to access and use all the time and with reliable access. Certainly , it just must be true for those who have right of access.

3. System Design

3.1 **Design Constraints**

Here we used two types of constrains :

Primary key

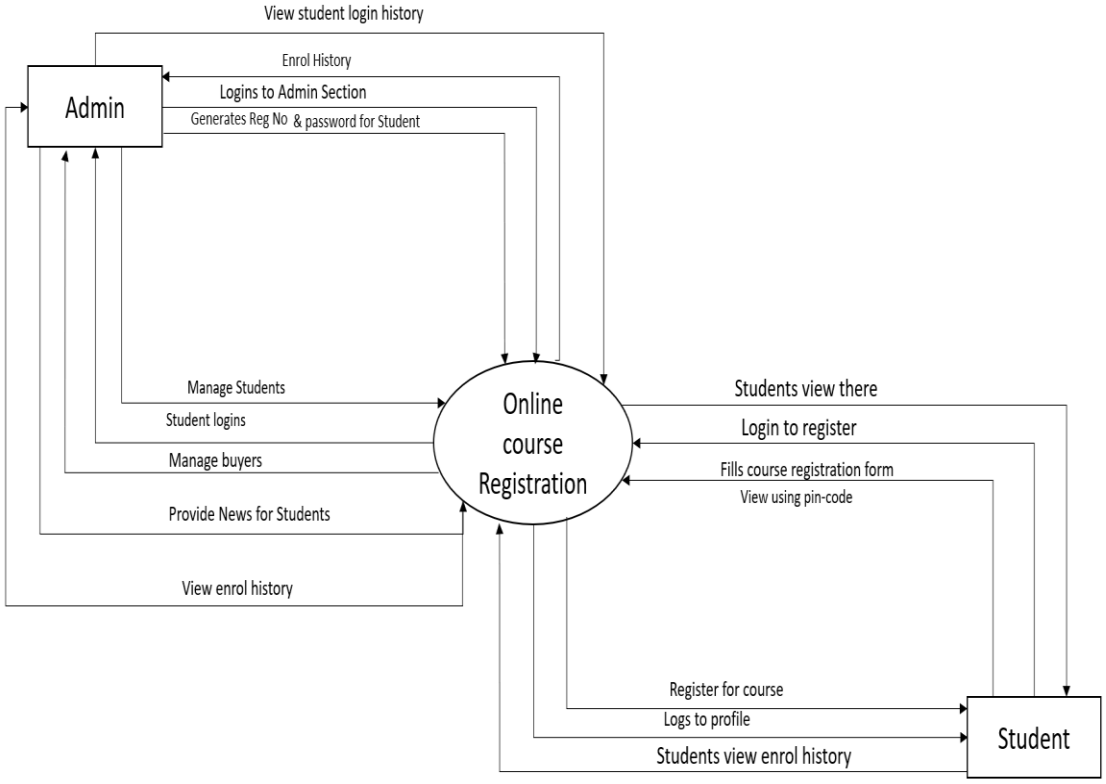
Foreign key

Primary key generally focuses on the uniqueness of the table . it assures the value in the specific column is unique . it is given to student table for roll number or registration number of students . that is unique student can be identified or login there account of registration .

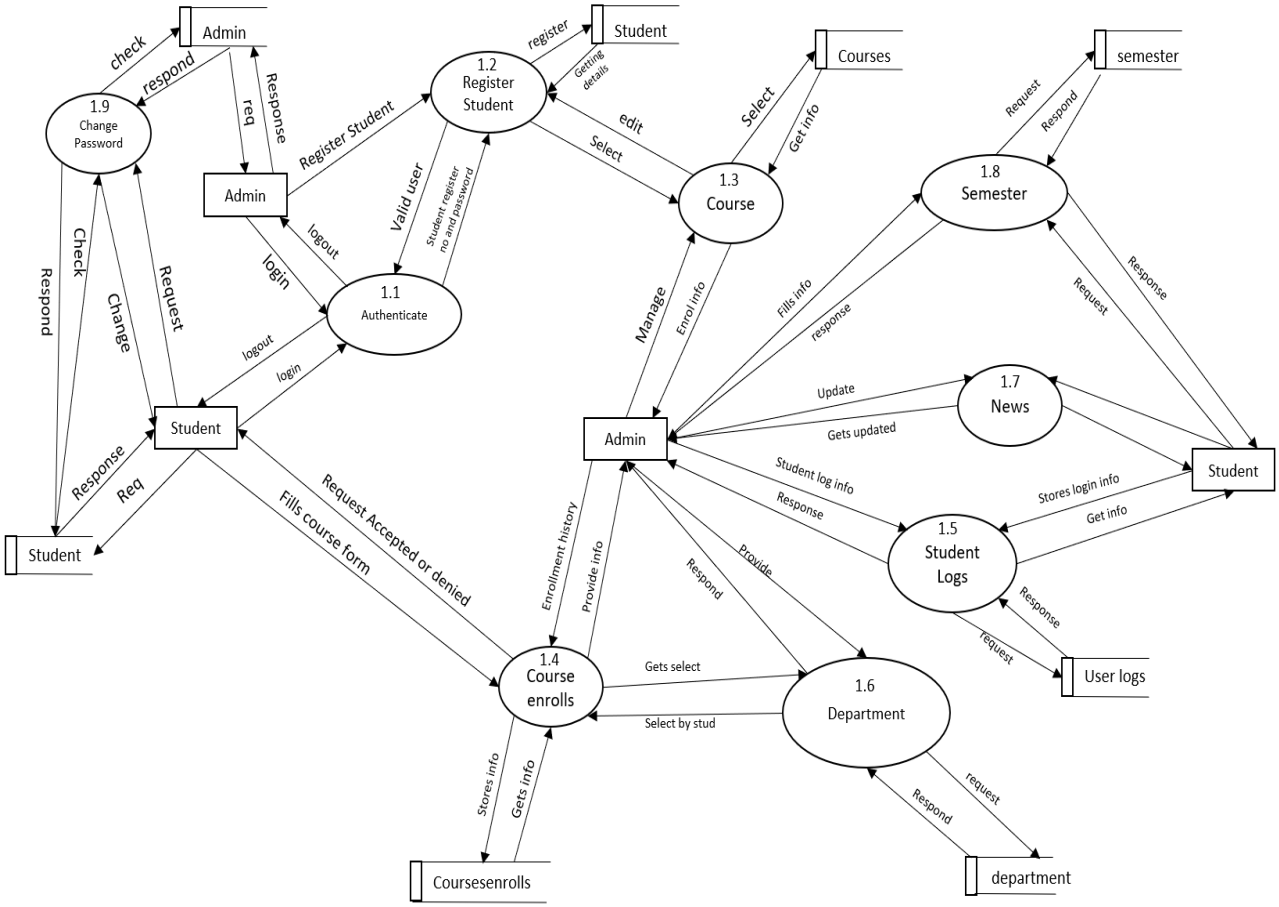
Foreign key is generally used to build a relation between the two tables the not null constraint enforces a column to not accept null values .there are two tables in this project which contain foreign key one is student table and second is student log table .foreign key is given to student registration column to access login ani log off details to admin .

3.2 System Model:

DFD:

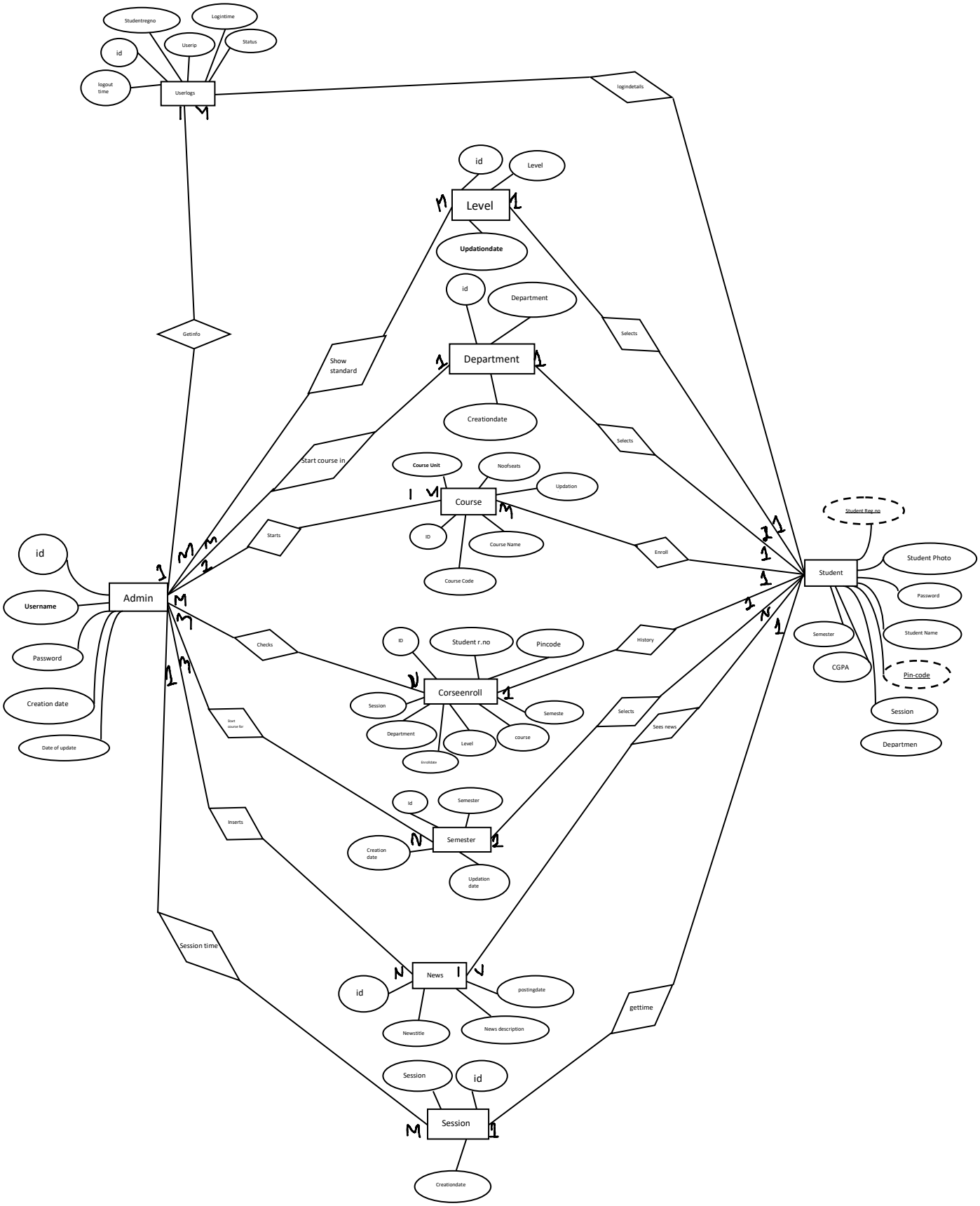


Zero Level DFD



First level DFD

ER-Diagram


Studentregno
Logintime
id
Userip
Status
logout time
Userlogs
logindetails
id
Level
Level
Updationdate
id
Department
Getinfo
Selects
Show standard
Department
Creationdate
Selects
Start course in
Course Unit
Noofseats
Updation
Course
ID
Course Name
Course Code
Starts
Enroll
Student Reg no
Student Photo
Password
Student Name
Pin-code
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Semester
Inserts
Creation date
Semester
Updation date
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News
id
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News description
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Session
id
Session
Creationdate

3.3 Data Model

Data Dictionary :

To record Online Course Registration project data we have user MYSQL database.

Database tables used –

Admin Table : this table contains Admin details

Field	Data Type	Description	Constraint	Size
id	Int	Admin Id	-	(11)
username	Varchar	Admin Name	*NULL*	(255)
password	Varchar	Admin Password	*NULL*	(255)
CreationDate	timestamp	Account Creation date	*NULL*	-
UpdationDate	timestamp	Password update date	*NULL*	-

Courses:

Field	Type	Description	Constrains	Size
id	int	Id of student		(11)
CourseCode	varchar	Course code provided by teacher	*NULL*	(255)
CourseName	varchar	Course Name provided by teacher	*NULL*	(255)
CourseUnit	varchar	Unite of course	*NULL*	(255)
NoofSeats	int	Number of sets available for course	*NULL*	(11)
CreationDate	timestamp	Date	CURRENT_TIMESTAMP	
UpdationDate	varchar	Updation of date	*NULL*	(255)

Courseenrolls:

Field	Type	Description	Constrains	Size
id	int	Selected course id	-	(11)
studentRegno	varchar	Student registration number	*NULL*	(255)
pincode	varchar	Pincode of course	*NULL*	(255)
session	int	Session of course	*NULL*	(11)
department	int	Department selection	*NULL*	(11)
level	int	Levels of course	*NULL*	(11)
semester	int	Semesters	*NULL*	(11)
course	int	Course selection	*NULL*	(11)
enrollDate	timestamp	Date of enrolment	CURRENT_TIMESTAMP	-

Department :

Field	Type	Description	Constrains	Size
id	int	Department id		(11)
department	varchar	Name of department	*NULL*	(255)
creationDate	timestamp	Date	CURRENT_TIMESTAMP	-

Level:

Field	Type	Description	Constrains	Size
id	int	Level of course		(11)
level	varchar	Levels	*NULL*	(255)
creationDate	timestamp	Date	CURRENT_TIMESTAMP	

News:

Field	Type	Description	Constrains	Size
id	int	News id	-	(11)
newstitle	varchar	Title of news	*NULL*	(255)
newsDescription	mediumtext	Description of news	*NULL*	
postingDate	timestamp	Posting details	CURRENT_TIMESTAMP	

Semester:

Field	Type	Description	Constrains	Size
id	int	Semester id	-	(11)
semester	varchar	Selection of semester	*NULL*	(255)
creationDate	timestamp	Date of creation	CURRENT_TIMESTAMP	-
updationDate	varchar	Updation date	*NULL*	(255)

Session:

Field	Type	Description	Constrains	Size
id	int	Session id	-	(11)
session	varchar	Session details	*NULL*	(255)
creationDate	timestamp	Date of session	CURRENT_TIMESTAMP	-

Student:

Field	Type	Description	Constrains	Size
StudentRegno	varchar	Student registration number		(255)
studentPhoto	varchar	Photo proof of student	*NULL*	(255)
password	varchar	Password provided for student	*NULL*	(255)
studentName	varchar	Student Name	*NULL*	(255)
pincode	varchar	Pincode provided by institute for cource	*NULL*	(255)
session	varchar	Session details	*NULL*	(255)
department	varchar	Information of department	*NULL*	(255)
semester	varchar	Students going semester	*NULL*	(255)
cgpa	decimal	Years cgpa of student	*NULL*	(10,2)
creationdate	timestamp	Date of creation	CURRENT_TIMESTAMP	
updationDate	varchar	Updation date	*NULL*	(255)

Userlogs:

Field	Type	Description	Constrains	Size
id	int			(11)
studentRegno	varchar	Yes	*NULL*	(255)
userip	-	Yes	*NULL*	(16)
loginTime	timestamp	Yes	CURRENT_TIMESTAMP	
logout	varchar	Yes	*NULL*	(255)
status	int	Yes	*NULL*	(11)

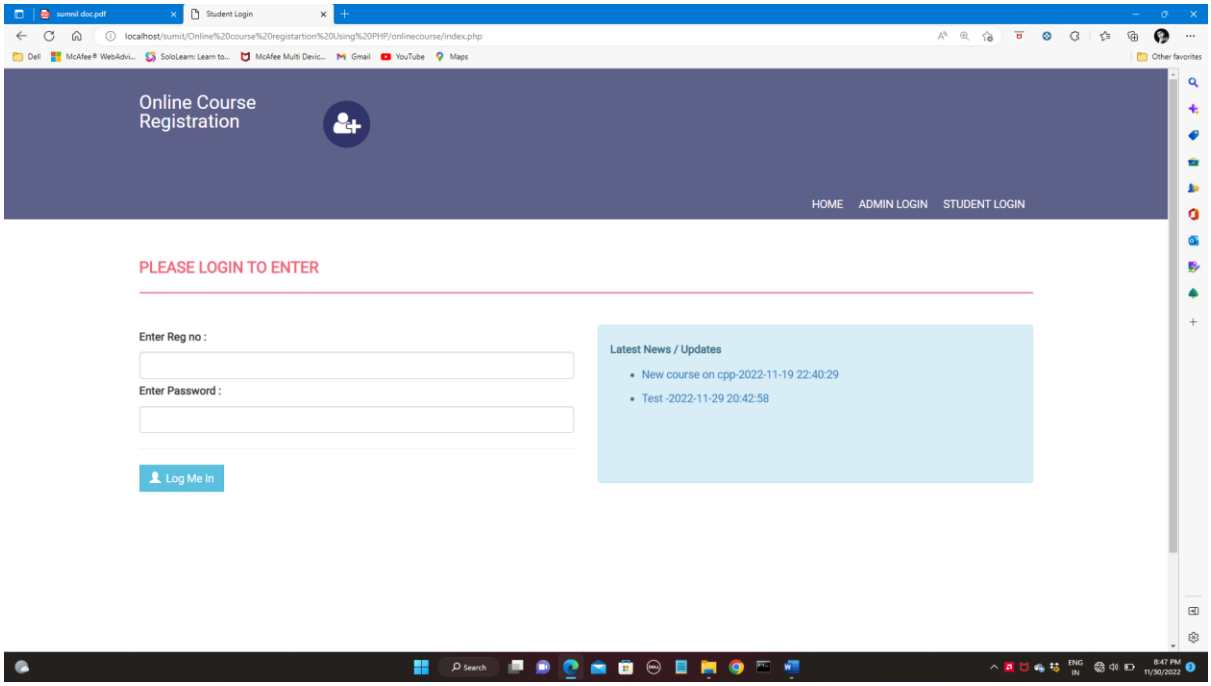
Database:

This Contains 10 Tables Where One Table Will Contain Admin Information And The Second Will Contain course details Data
Third will contain course enrolled data and fourth will contain Departments Information. And other contains level ,news ,semester ,session ,students and userlogs information of Users.

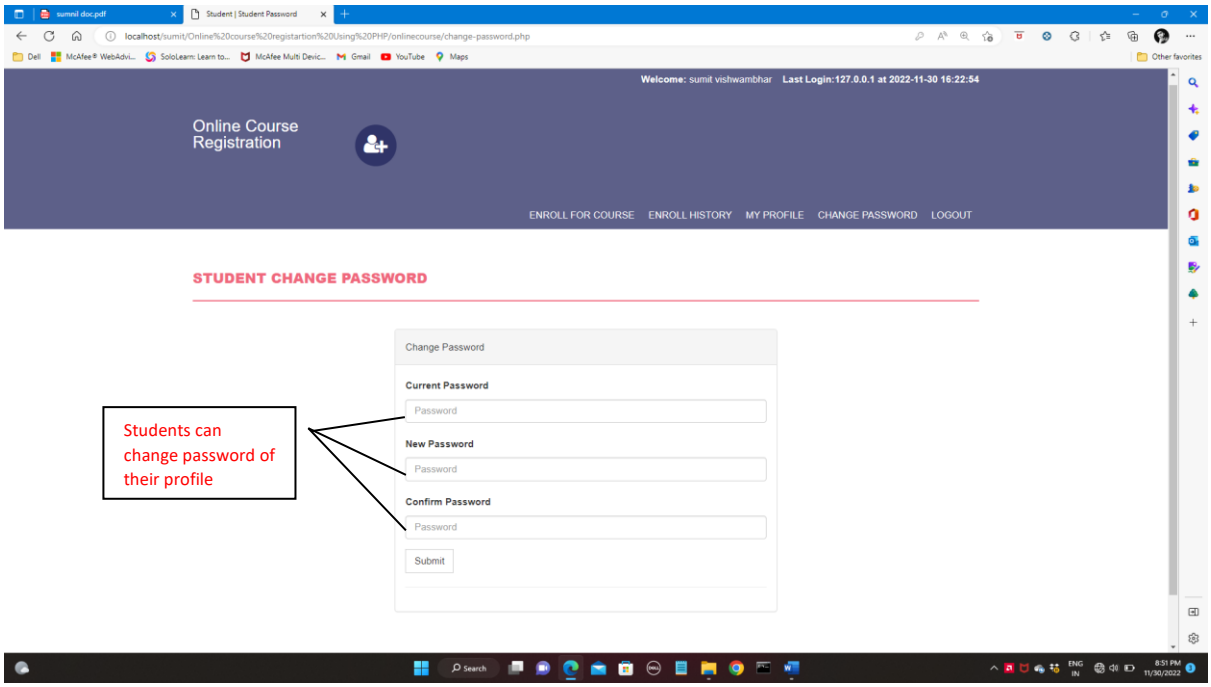
3.3 User Interfaces

Student Section :

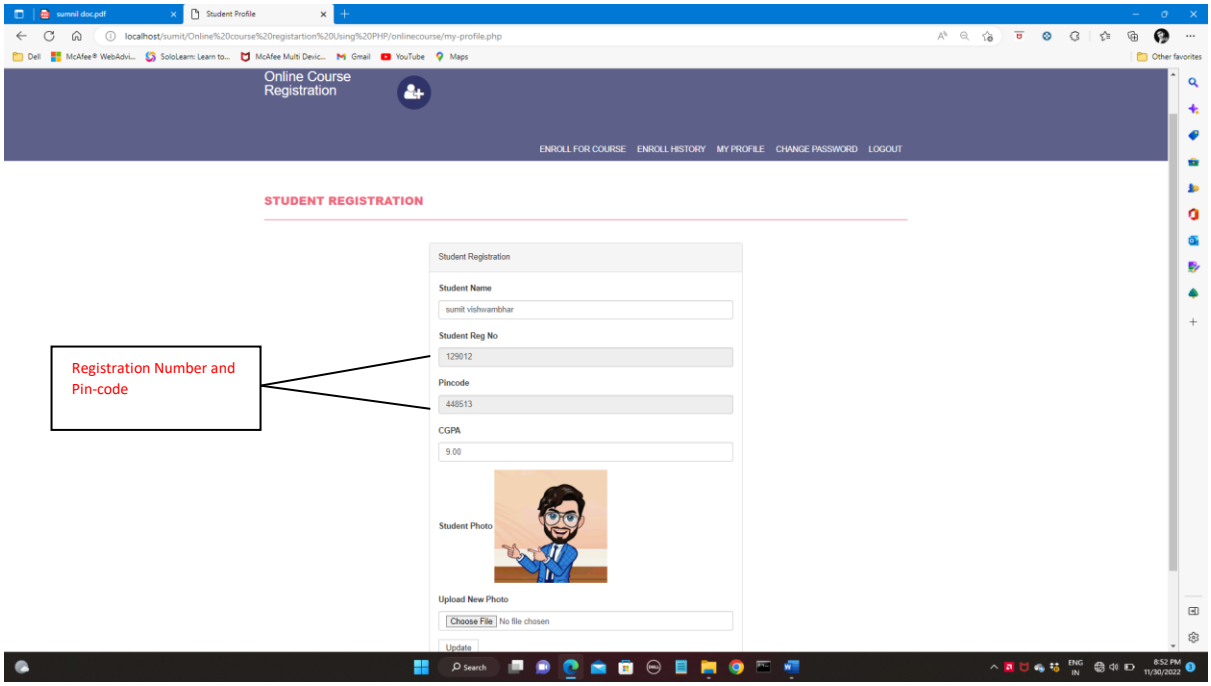
Student Login: Students Can login using their registration number and password which has been given from the institute or teacher .



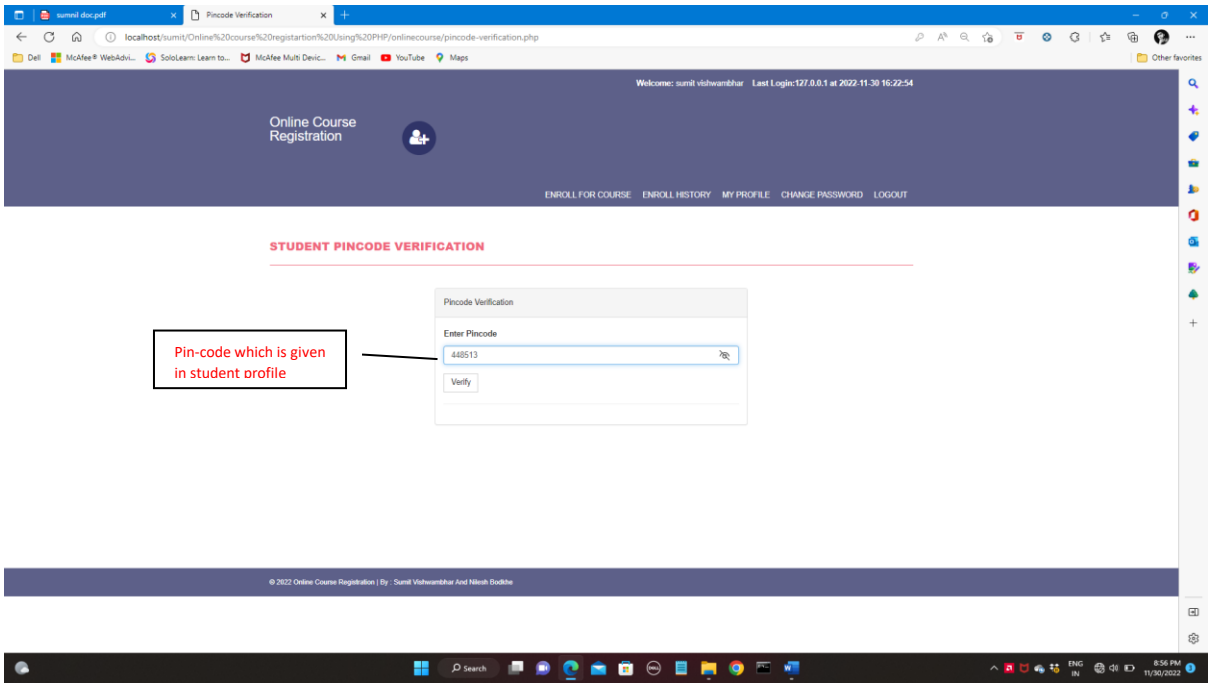
Student Change Password : During registration institute provide reg. no and password to student but after that students can able to change their own passwords



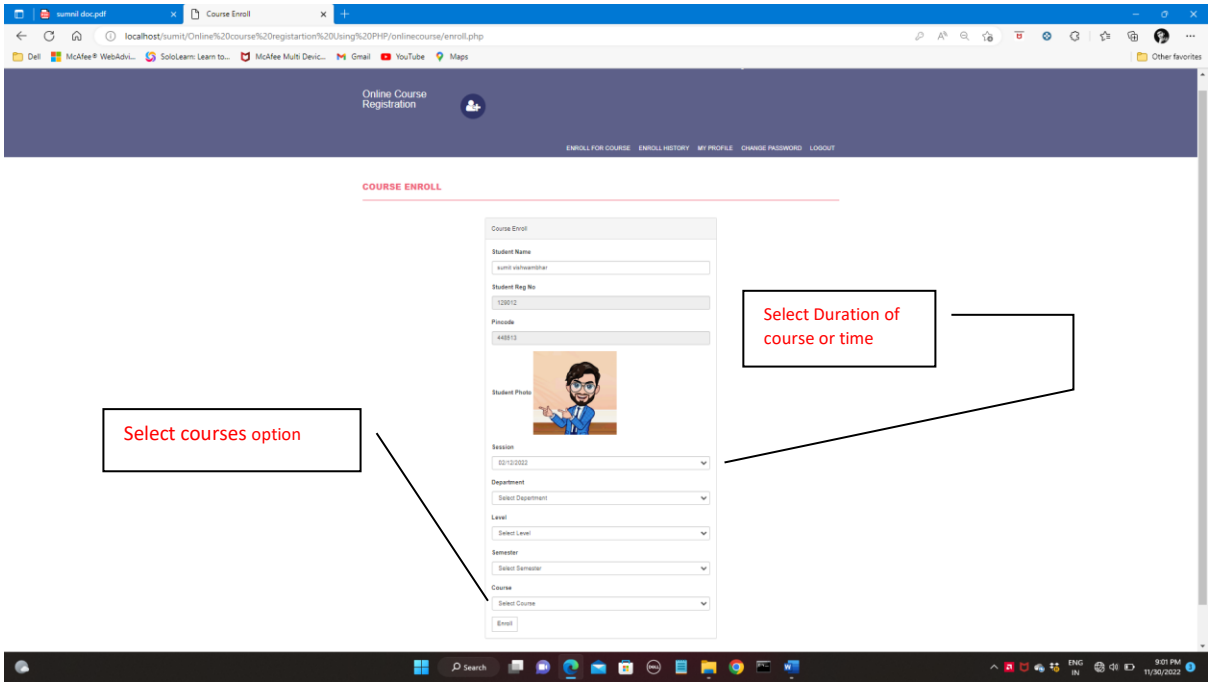
Student Registration or My Profile Option : After enrolling for any course students have to fill their profile information, upload a photo And remember their pin code which was generated during registration of student in a institute .



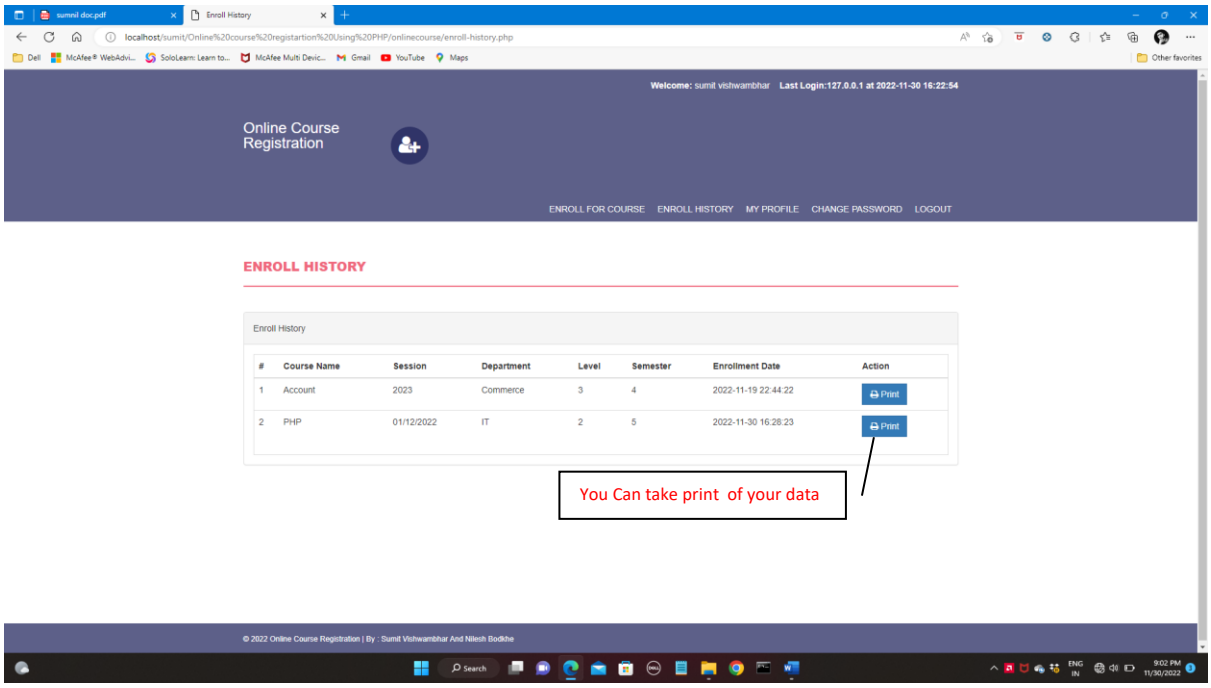
Student Pin code verification : Students pin code verification form .



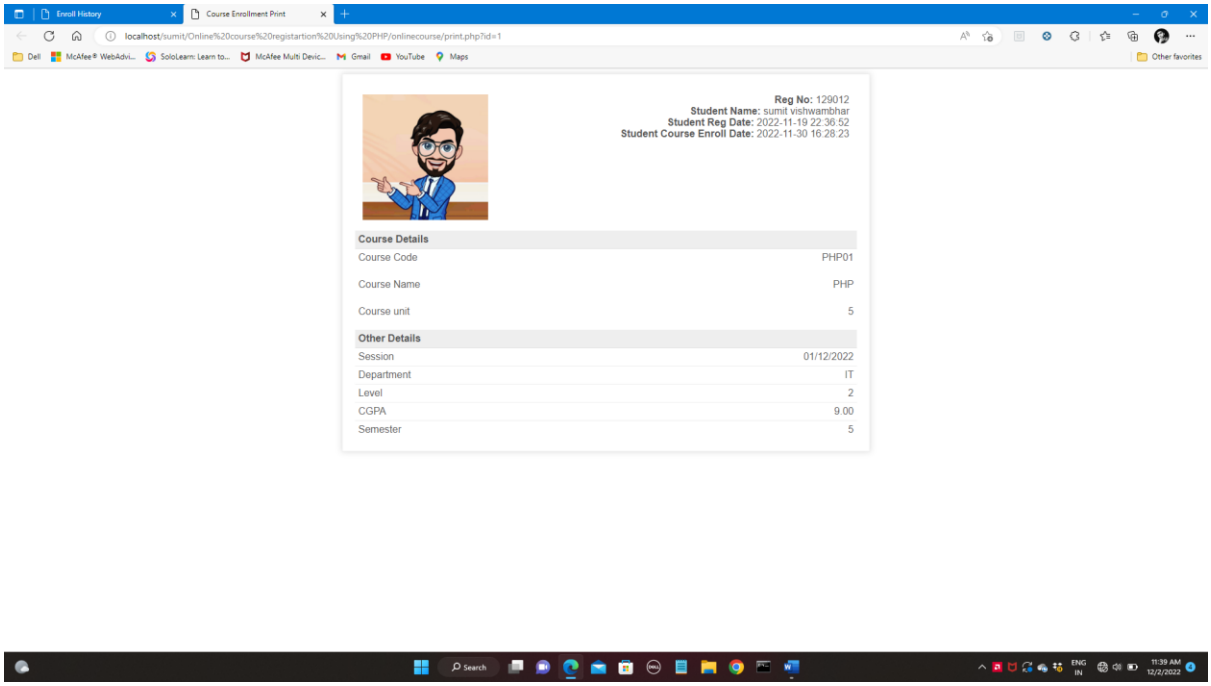
Course Enroll : In this form Student Can select courses which they wants to apply for **.**



Enroll History : Student Can check course enrolment history in this section

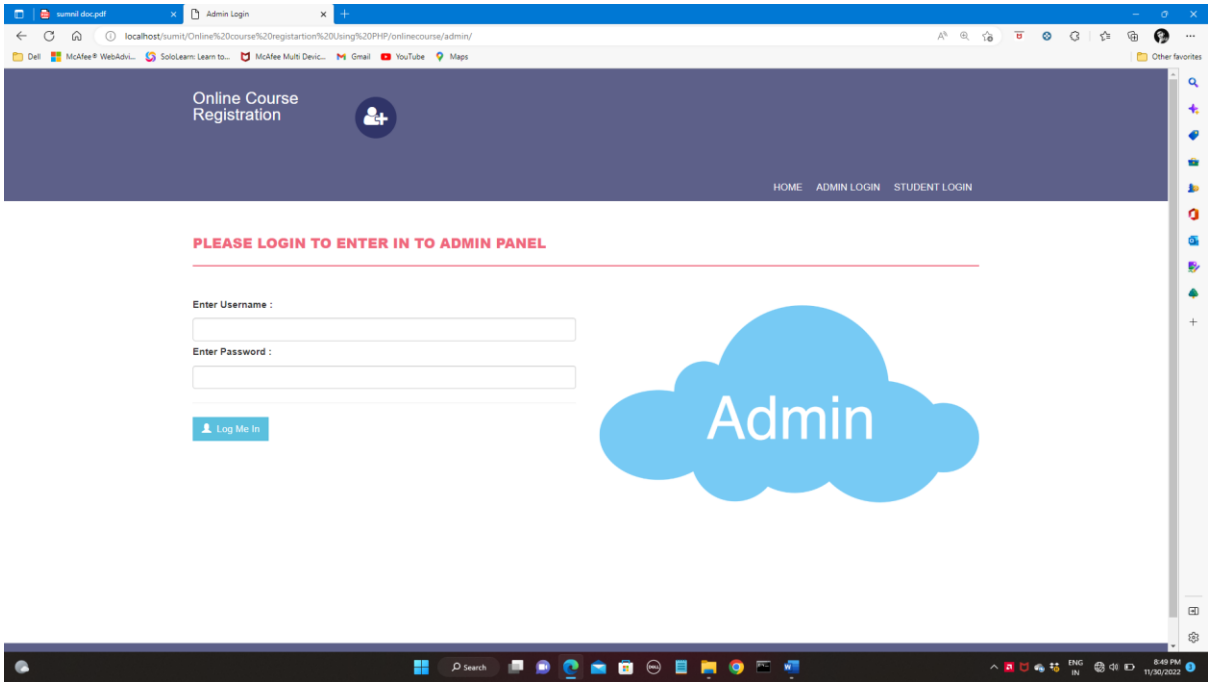


Course Enrollment Print : It Shows All details about student .

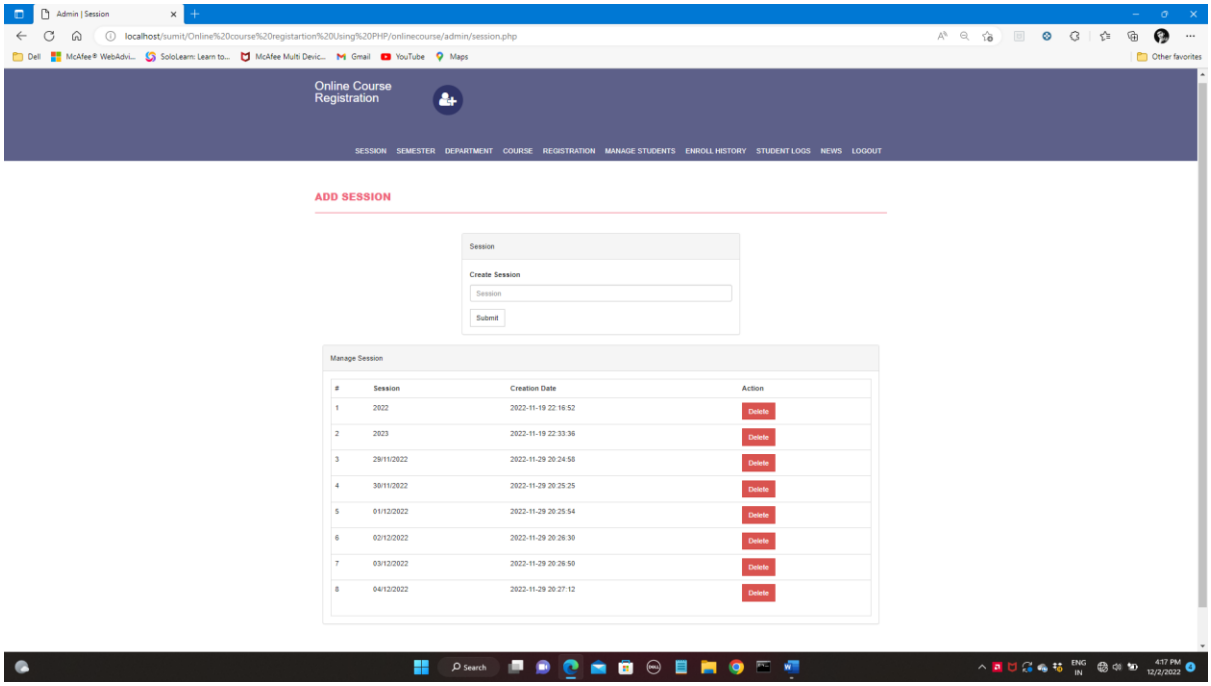


Admin Section :

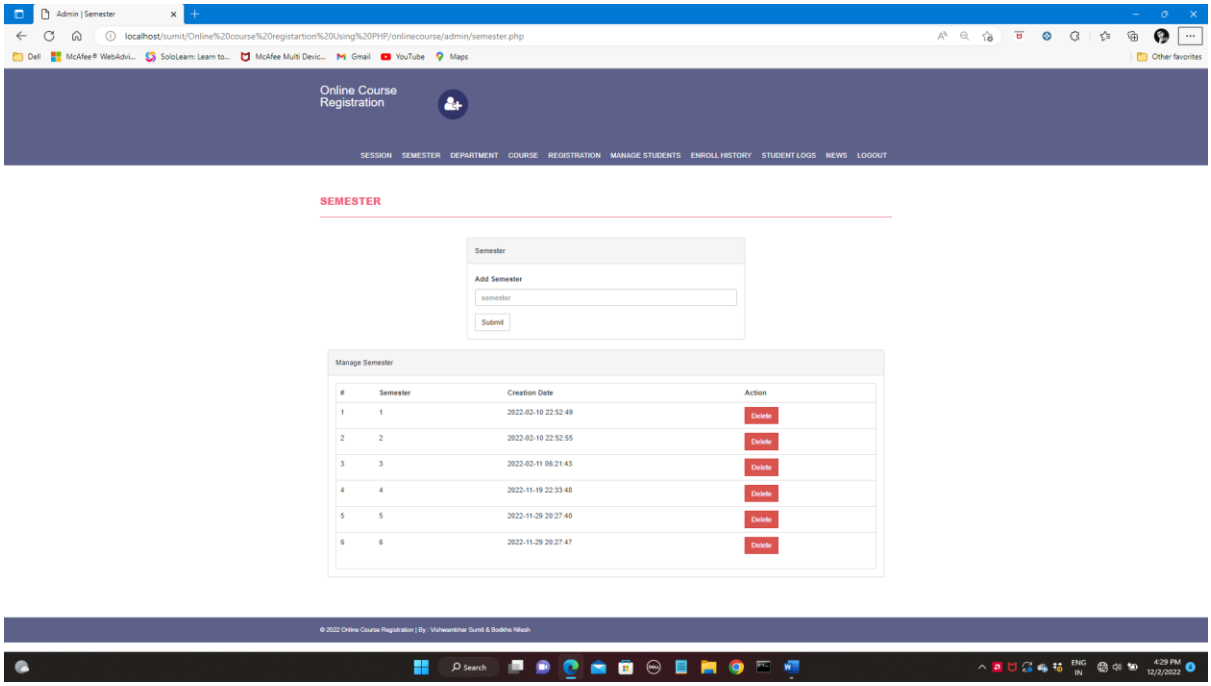
Admin Login : Admin or teacher who have the access of the website can login the site using username and password



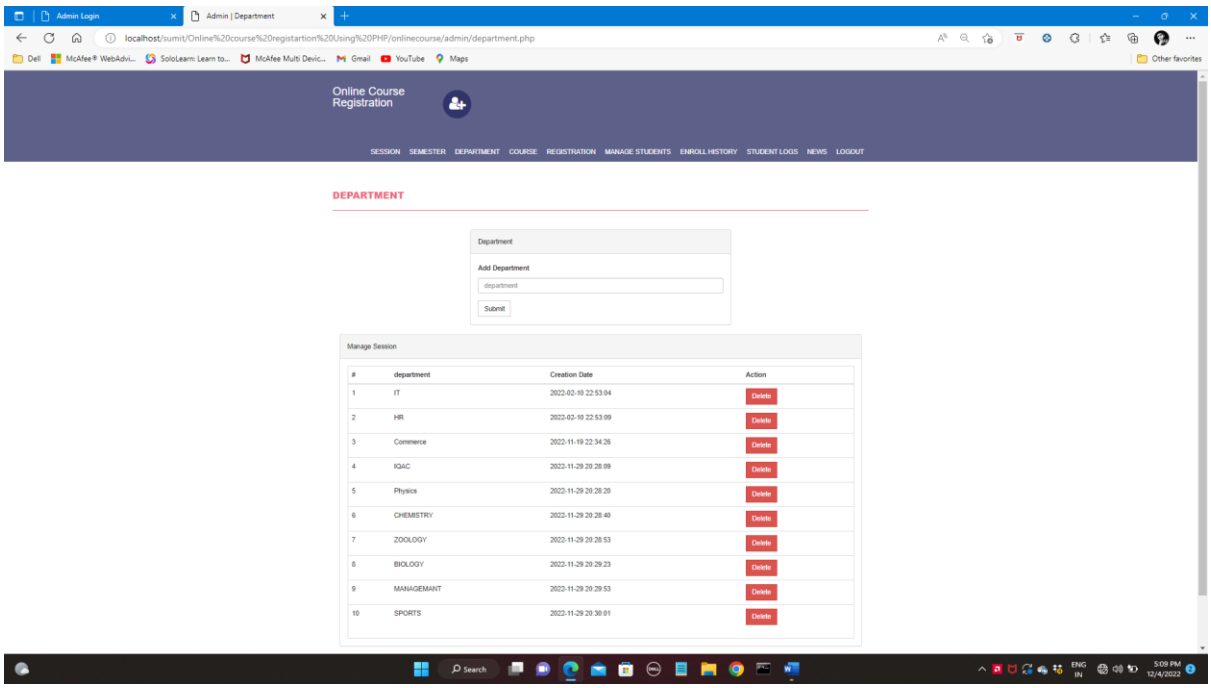
Session: Admin Can create sessions and delete sessions which displays on students profile.



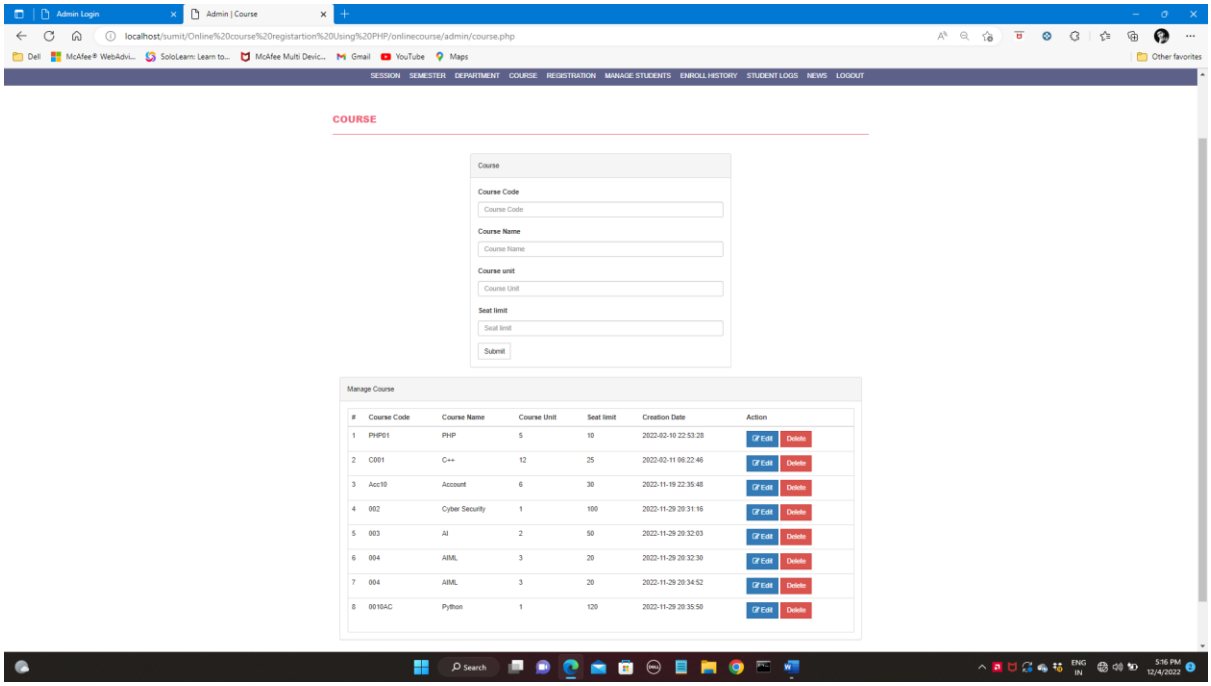
Semester : Admin Can Add Semesters And delete Semesters which displays in student profile .



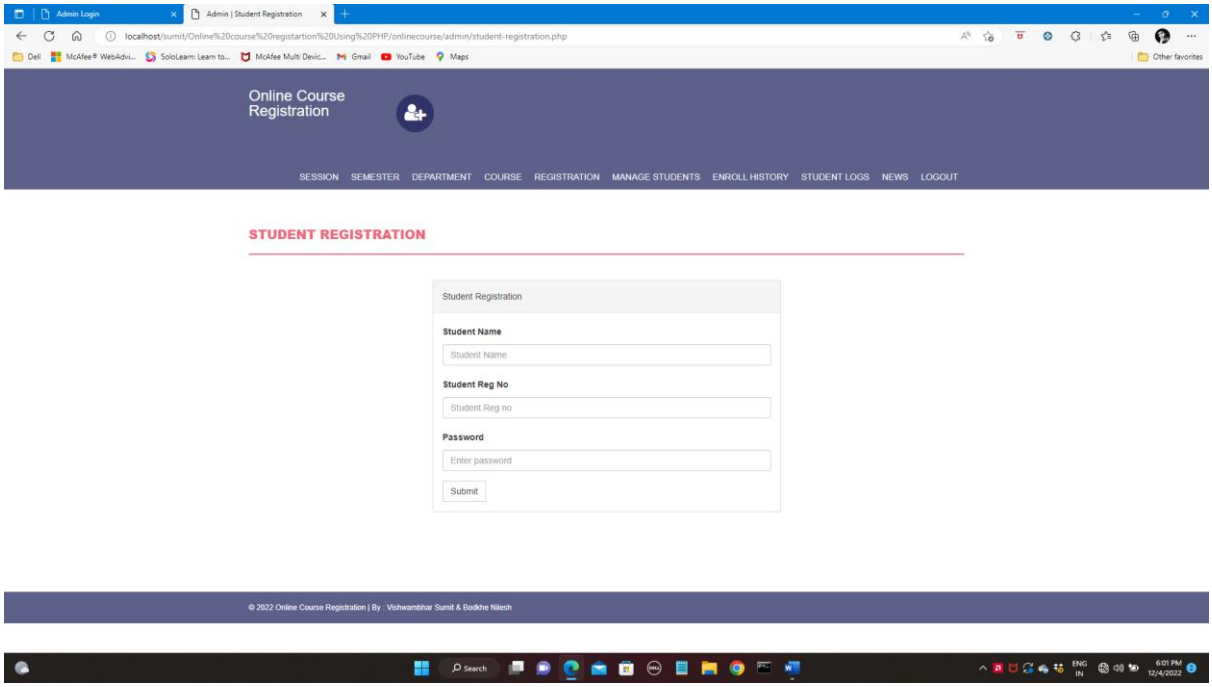
Department : Admin Can Add or Delete Departments which is launching courses **.**



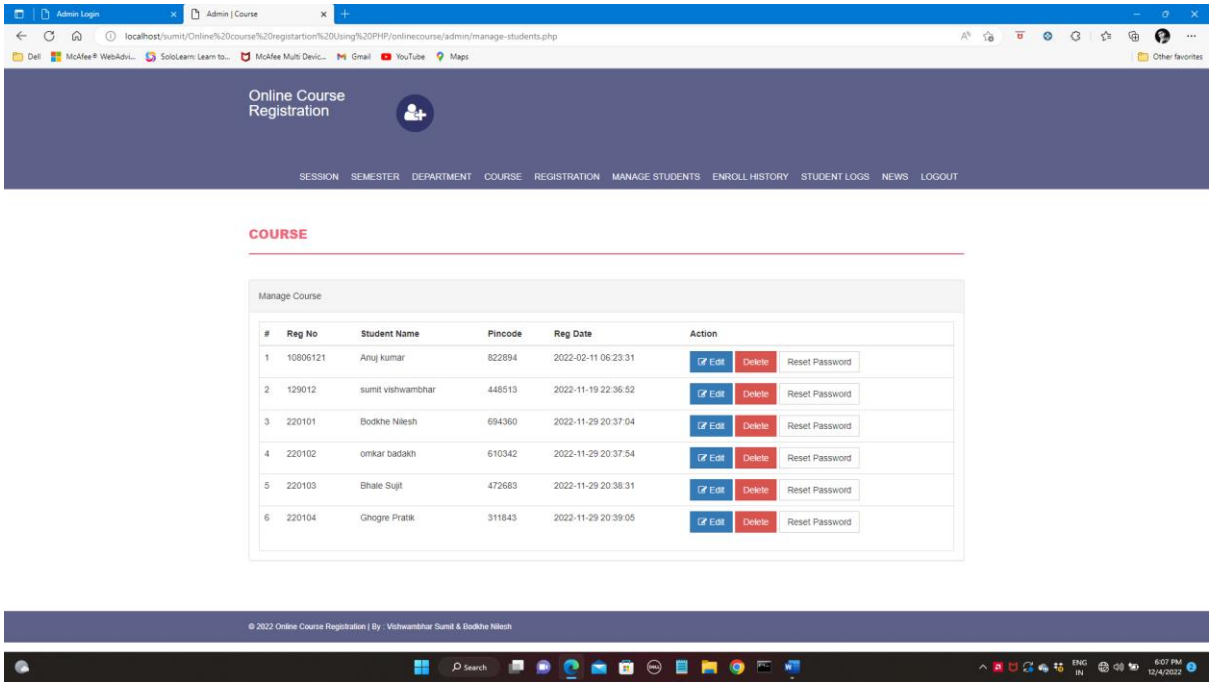
Course: This form contains course details like course code, Course Name, course units And Limit of seats available for that course And Admin can manage course details or edit course .



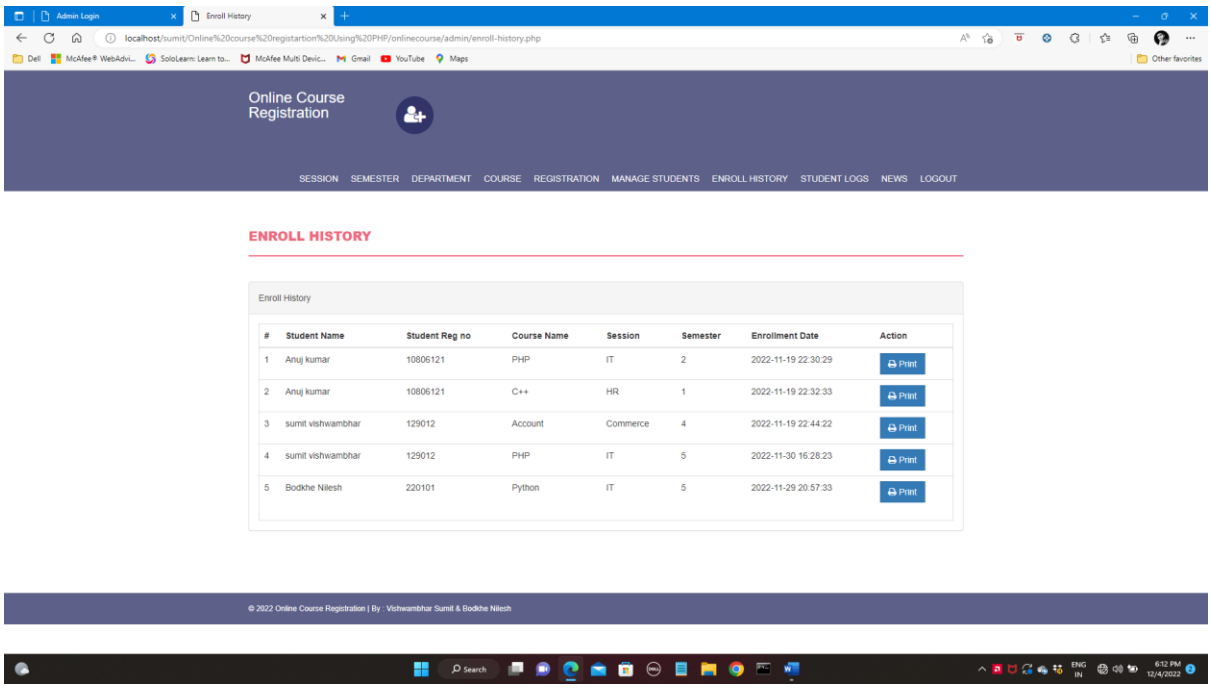
Student Registration : Admin can register A new student and provide registration number and password to student



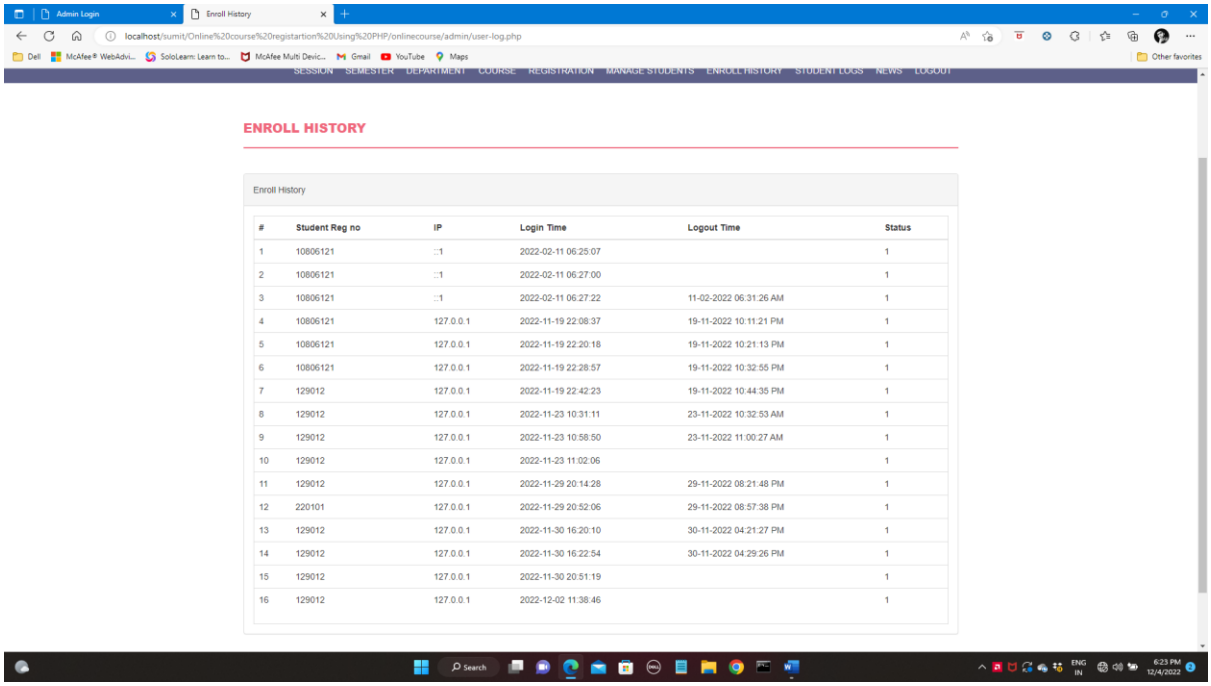
Manage Students : Admin Can manage student details that who applied for which type of course .



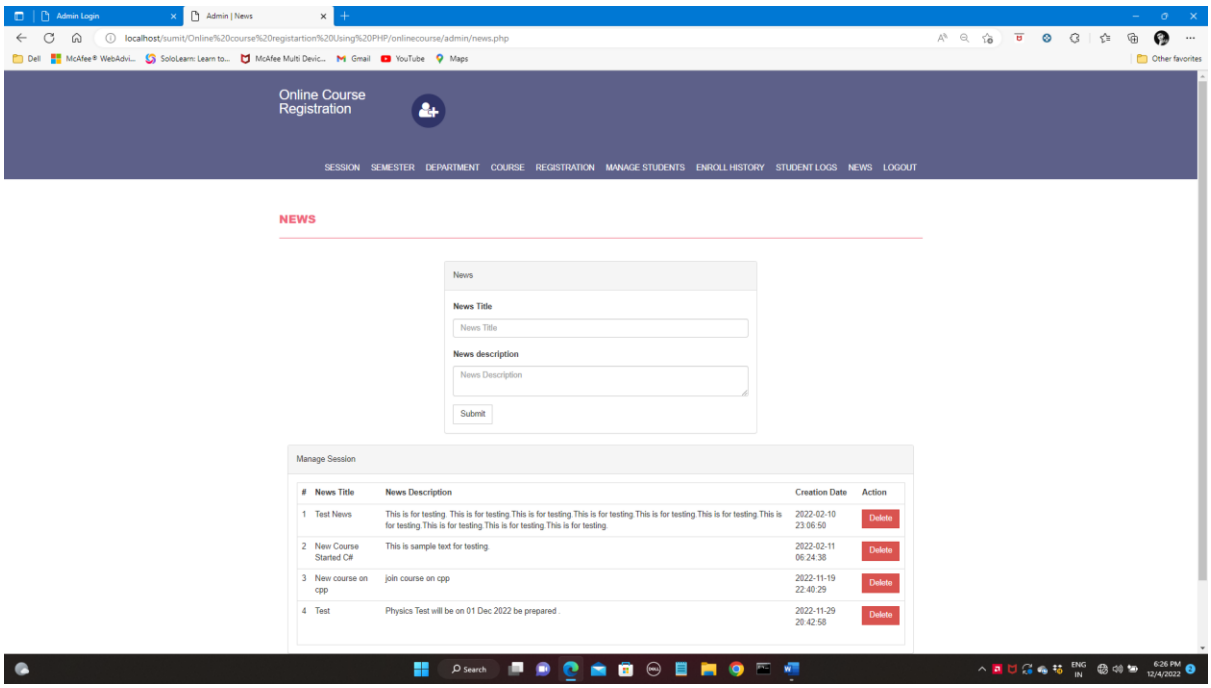
Enroll History : Admin can view details of student like who applied for which type of course And print there details.



Login history : Admin can see login details of student like which student login their profile at what time etc details are given in this page .



News : This Page contains news option ,Admin can provide notices or news for students which students can see on home page And Admin can delete news.



4. Implementation Details:

4.1 Software /hardware specifications :

This system is based on the Web platform, so there is just need of few things which are mostly available with all the computer owners.

Software Requirements –

- Operating system – Windows 7 Mac OS.
- Front End – HTML, CSS and Java Script
- Back End – PHP and MySQL

Hardware Requirements –

- Processor – Any Intel or AMD processor which supports Wi-fi Connectivity.
- Ram – Minimum 2 GB of Ram.
- Hard Disk – 40 GB Minimum

Software used –

We have used some basic software/tool to create this Online Course Registration site project that are listed below –

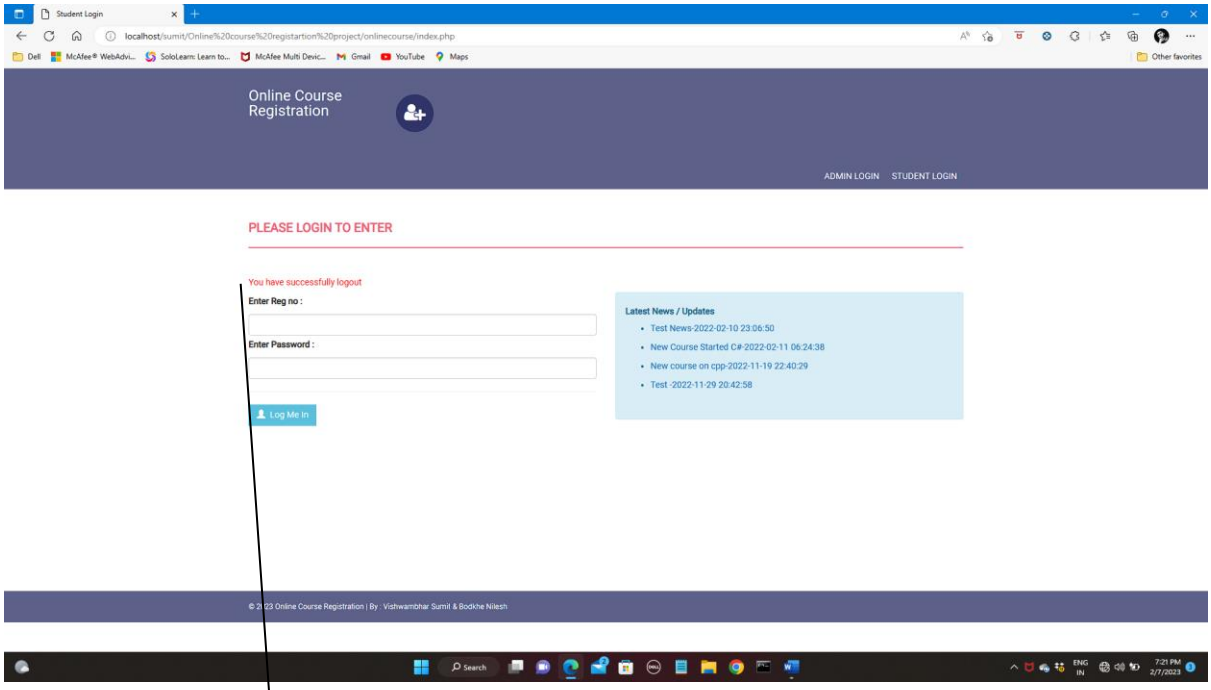
- Text editor (Notepad)
- Web browser (Google Chrome)
- Local server (Wamp server)
- MySQL database

5.Output & Reports Testing:

5.1 Output:

Development of Online course registration system has greatly simplified previously complex tasks. Manual work is reduced to a large extent. The task of maintaining huge data can now be accomplished with a few button clicks. Previously, the system was hectic for both faculty and the students but now that it is accessible anywhere, registration process has been simplified. The database is maintained on a central server, so that it can be accessed anywhere inside the university by authorized personnel. Different departments can access the data whenever required. Also, the process being simple and easy to use any student or faculty with minimum computer knowledge can use the application easily. The user can print the final registration card and keep the information safe with him/her. Also, this detail can be saved as a PDF file anywhere on the computer.

Further, In future we would like to recommend certain valuable additions to the project. The most important is allowing students to submit the fees online. This addition would further reduce the student requiring, visiting the college premises physically. It would completely automate the given system. Also, a system to digitally sign the documents can also be implemented in future. This would enable the faculty and registrar to acknowledge the documents more securely and reduce the security risk to valuable personal information. Entering student grades at semester end is also recommended to be implemented in the future. Finally we can say that the Online Course Registration System for Student is ready for implementation and will surely provide the students and every entity associated with it a better experience. Although the project is complete and ready for implementation there is always room for improvement. As this system depends upon computer hardware, and with more and more student entries into the database there will be constant need to update server storage. To make the system more secure, In future digital acknowledgement signatures and SSL encryption can be implemented.



It shows output of successfully logout

Testing:

The compiled project was tested thoroughly using different usage environments like different browsers, Operating Systems, hardware components and different sets of data. The web application was found to be working conveniently. However, latest versions of the browser, Operating System and hardware components of the computer are recommended for best results.

5.2Black Box Testing

Admin can be able to login their account using username and password .

When admin provide username and password to the website it is directing to the main page of the Admin section .

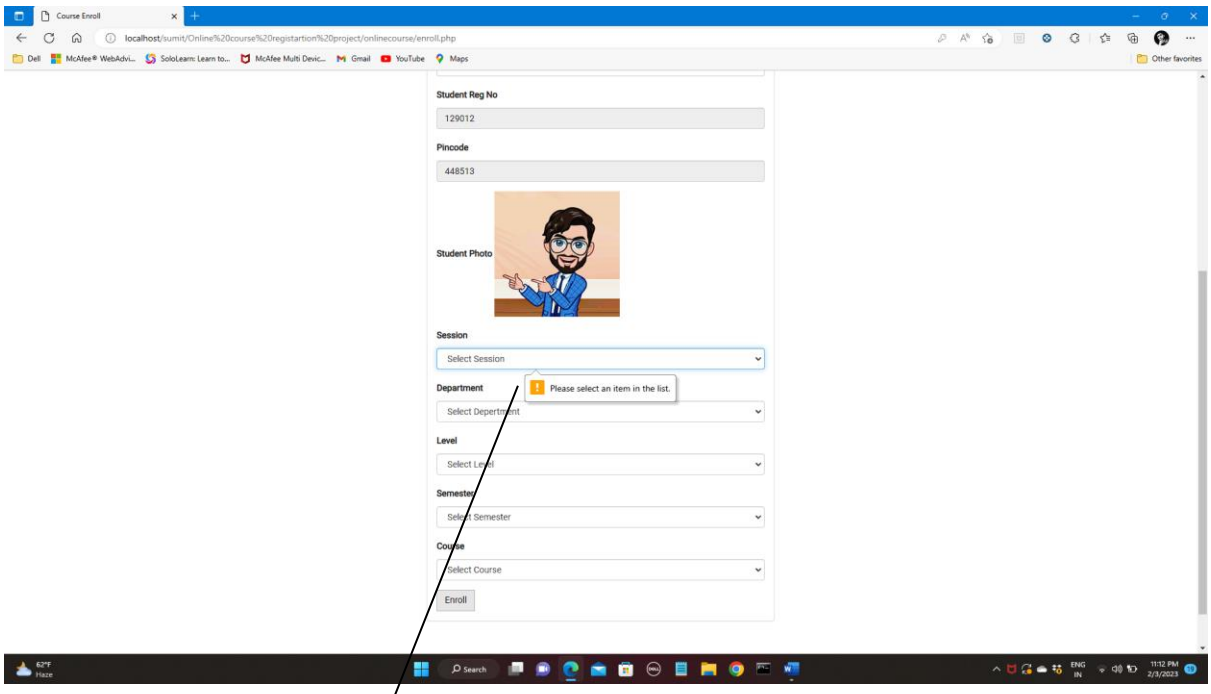
Admin can be able to check student login information. And able to register a new student .

Admin can be able to provide various types of information to student and admin able to insert news for students in news section .

Students can be able to login their account from given registration numbers . when student successfully logins to there account the can able to fill the registration form of course .

Students are able to fill sections and register them self in course and this information goes to word the admin section .

5.3Data validation :



This shows that user not filling proper information

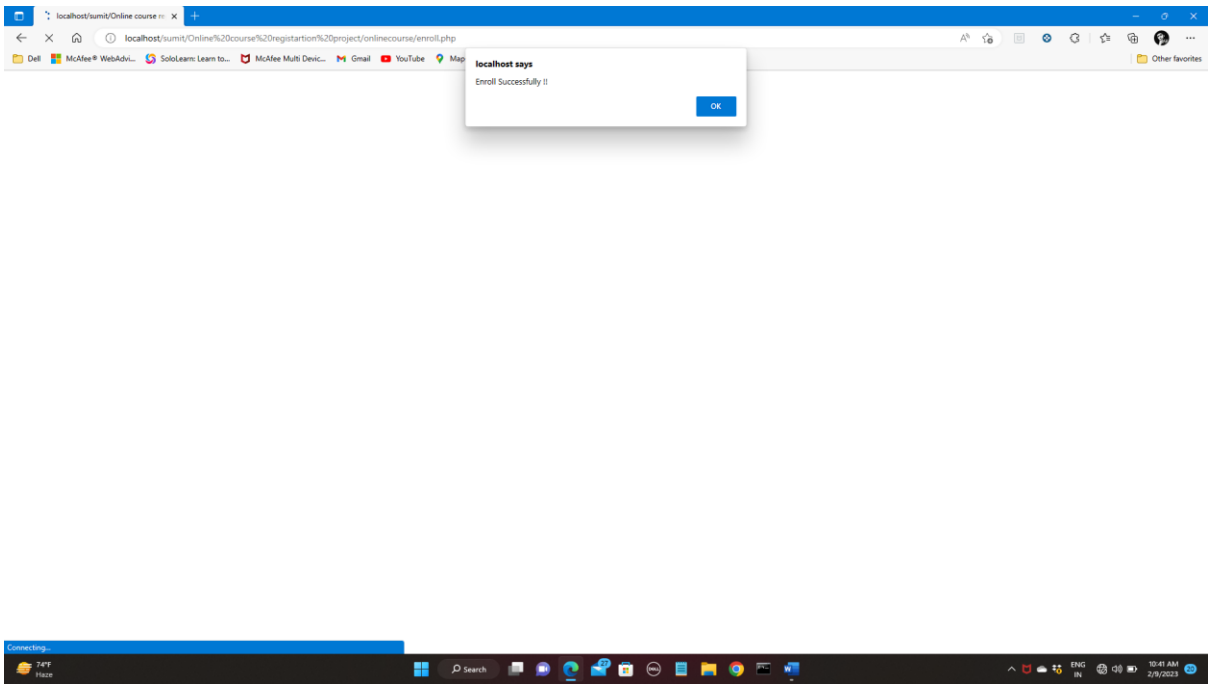
When students have to login or admin have to login their account it shows popup message of “please fill the empty columns ”

And in enrolment section it shows “please select an item in a list ”.

5.4 Test Cases:

No	Testcase-Id	Test Case objective	prerequisite	steps	Input Data	Expected result	Actual Result	Remark
1	TC	To online registration course of student	Registration page should be available To Admin side	1.open registration page2.enter name, email, password 3.click on “submit” button	1.name 2.regi no 3.password 4.photo 5. SGPA 6. course selection	Student should Enroll successfully	Student is being registered successfully	pass
2	TC1	To login admin	1.login page should be available 2.admin username, password should be available	1.open login page 2.enter username , Password 3.click on “login” button	1.username 2.Password	Admin Should login successfully	Admin logged in successfully	pass

Student enrol Successfully:



5.5 White box testing :

In student table students can be able to put their login information and logout information which can be access able by Admin .

In this testing we performed student registration process when admin registers student the student registration number and passwords are able to store in the student info table . and when students logs to their account using registration number and password system gets information form student table and logs student to their account .

Admin can be able to login their account using their information which has stored in the admin table .

Test cases is useful to students to understanding the working of this project .

6. Conclusion and Recommendations

Implementing the Online Course

Registration System, the registration procedure has been simplified. Previously student had to go door to door in order to get the documents acknowledged from the concerned officials whereas the currently developed system offers an efficient way to perform these operations. The students can access the registration portal online either from a computer or a smart phone, and fill the necessary information and submit it for further approval. This web application provides us with ease of access, user friendliness and transparency. On the other hand, from organizations viewpoint, it helps in maintaining transparency, data consistency, data accessibility and easy maintenance.

Implementation of the proposed system will reduce the workload of all those involved as the data can be now managed with proper authentication and authorizations instead of being hard copied and accessible to everyone. This system will largely save the precious time of Student , teachers and Instead of explicitly signing every document; they just have to acknowledge entries online with the click of a mouse. All the technologies i.e. PHP, Apache and MySQL used for current system design are open source and hence freely available for download. PHP provides a strong platform for creating the visual front-end of the web application and PHP combined with HTML provides a very flexible development environment. For the purpose of fulfilling Web Server requirements XAMPP was used, which is again Open Source and is supported across multiple platforms. In order to maintain visual consistency javascript was used for simpler implementation of certain features. For constant testing, analysis and execution needs, Firefox and Google Chrome web-browsers were used. With a combination of all these technologies we were able to create a web application environment that is efficient and consistent enough.

The primary objective of our research and development was to automate student course registration procedure.. The student enters his/her information during the beginning of the semester, the system verifies the data entered, compares it to the previous semester entries in the database and forwards it to the concerned faculty. After getting the nod from the faculty and respective officials the registration form is submitted to the administrative staff of the classes or university for further necessary action at their end.

Online application of the whole system helps easy access to the system anywhere. Physical presence of the student is not required. The time taken for process completion is now largely reduced. After registration the database is automatically updated at the end of process

completion removing the hassle for department officials who had to enter the data manually. As the database is managed through MySQL, data duplication is eliminated and thereby reducing chances of error. Also data can be now be easily retrieved, edited and printed whenever required. Authentication based access proves to be more secure than manual system. The data is maintained on a central server and is distributed among different departments as per requirement and copies of this database are maintained on backup servers. Also, database access is authorised and cannot be viewed or edited by unauthorised personnel. So, this automated and computerised system is safe, fast and user friendly.

7. Future Scope

In future this website contains various updates and various system interfaces . understanding the demand of admin helps us to build a beneficial website for om sai ram classes. We are going to get updates for this website in future as per the requirement of the admin . which provides them a bettor functionality and facility to admin and students for registration of a online course .

The project can be made as an android application for the convenience of the user .

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