

# JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY



B.tech | CSE  
STUDENT WEB PORTAL

**Submitted By:**

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## INTRODUCTION:

The Student web portal is a one-hand solution for students to access the facilities provided by the institute on a single web platform. It is a web-based platform that provides students with a single access point to information. A student portal can be used to provide the user with personalized information such as student marks, student fees, and courses provided by an institution. A student portal can also be used to enhance the collaboration of information and improve the way they interact with the institution.

## Purpose of the Software:

The Student web Portal aims to make simpler a student's interaction with the various modules of an institution and the process of acquiring information. Through this project, we are able to efficiently manage a student portal and reduce any errors in the management of student data. The system can be accessed by Students, Teachers and Admins, and functionalities are provided according to their role.

Talking about the features of the Student Portal, We are allowing students to check their marks on the portal and check which courses a student can enroll for. Students can also check for any pending fees. In the end, all we want is that the workload on both students and institution department sides to be reduced with the help of technology.

## Materials and Methods:

The website is designed using HTML and its attributes and styling of the HTML pages are done using CSS. JavaScript is used to make the site more interactive, user-friendly, and responsive. MYSQL is used as a database management system to efficiently store and retrieve information in the database and also to remove data redundancy. The backend software provides connectivity between the frontend and the database and is responsible for the smooth running of the website.

## HARDWARE AND SOFTWARE REQUIREMENTS:

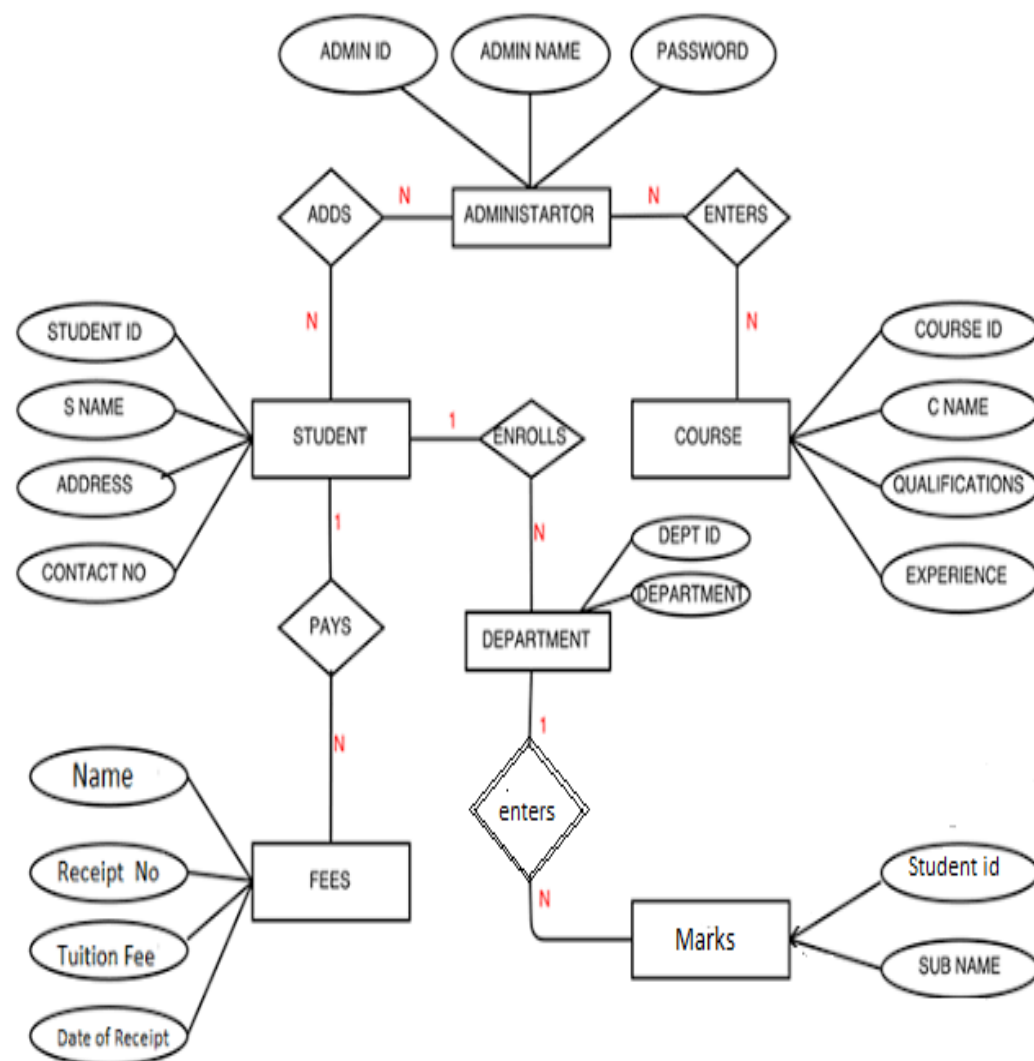
The project is a web-based portal. Hence, we have to make use of web development. So we decided to VS Code for optional coding and easy debugging, we used VS Code and made explicit HTML, CSS and Javascript files. Henceforth for optimal usage of such software, a windows-based operating system – preferably, Windows 10 must be there.

## Tools and Technologies used:

In this portal, we will make extensive use of Web Development and Databases. We will have a login id system initially. Separate files will be assembled for:

- ✓ HTML      →      to provide Markup
- ✓ CSS        →      to provide style and design
- ✓ Javascript →      to make responsive web pages
- ✓ PHP        →      to connect with database
- ✓ Mysql      →      Database to store data

## ER Diagram:



## **ABSTRACT:**

- The main objective of this project is to provide a solution for the Institute and students to manage most work using a computerized process. The proposed system provides different options to teachers, students, and admins.
- The student web portal will keep a track of the Institute's activities like availability of courses, adding or removing subjects, etc. The System provides an option to enter students' marks that will be easily accessed by the students at ease.

## **References:**

- <https://www.w3schools.com/mysql/>
- <https://www.w3schools.com/js/default.asp>
- <https://stackoverflow.com/questions/3020751/can-javascript-connect-with-mysql>