**LOVELY**



**PROFESSIONAL**

**UNIVERSITY**

**PROJECT FILE**

**“UNIVERSITY MANAGEMENT SYSTEM”**

ums

**PROJECT NO: 04**

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**SUBJECT CODE**: CSE 326

**SUBMITTED TO** – MS MANU BALI

**INTRODUCTION**

**UNIVERSITY MANAGEMENT SYSTEM (UMS)** deals with the maintenance of university, college, faculty, student information within the university. UMS is an automation system, which is used to store the college, faculty, student, courses and information of a college. Starting from registration of anew student in the college, it maintains all the details regarding the attendance and marks of the students. The project deals with retrieval of information through an INTRANET based campus wide portal. It collects related information from all the departments of an organization and maintains files, which are used to generate reports in various forms to measure individual and overall performance of the students. The system will serve the management to reduce cycle times, faster keep track of data, and improve the service, increase information sharing and providing facilities to store information centrally. Student can access their Attendance, CA marks, Time Table, Fee details, Personal details, announcements, Downloads, final marks with grades.

**TECHNIOLOGIES USED IN MAKING WEBSITE**

* **Cascading Style Sheets (CSS)** is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript. CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file, and reduce complexity and repetition in the structural content. Separation of formatting and content also makes it feasible to present the same markup page in different styles for different rendering methods, such as on-screen, in print, by voice (via speech-based browser or screen reader), and on Braille-based tactile devices. CSS also has rules for alternate formatting if the content is accessed on a mobile device.
* **Hypertext Markup Language (HTML)** is the standard markup language for creating web pages and web applications. With Cascading Style Sheets (CSS) and JavaScript, it forms a triad of cornerstone technologies for the World Wide Web. Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document. HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other item.
* **JavaScript** often abbreviated as JS, is a high- level, interpreted programming language that conforms to the ECMAScript specification. JavaScript has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions. Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. JavaScript enables Interactive web pages and is an essential part of web applications. The vast majority of websites use it, and major web browsers have a dedicated JavaScript engine to execute it. As a multi-paradigm language, JavaScript supports event- driven, functional, and imperative including object- oriented and prototype-based) programming styles. It has APIs for working with text, arrays, dates, regular expressions, and the DOM, but the language itself does not include any I/O, such as networking, storage, or graphics facilities. It relies upon the host environment in which it is embedded to provide these features.

**PROPOSED SYSTEM**

**UMS (UNIVERSITY MANAGEMENT SYSTEM)** makes management to get the most updated information always by avoiding manual accounting process. This system has the following functional divisions. University Administrator College Administrator User (Students / Faculties) University Administrator has the functionality of registering new colleges and courses. College Administrator has the rights of creating department, allocating courses to departments, creating faculties, students and allocating subjects to faculties, and modifications in the data entered by the user can also be done by the college administrator. User of this may be faculty or students. Faculty has the facility of entering the marks and attendance of the students. Students can check their marks and attendance but there is no chance of modifications.

Reports must be generated for the existing data i.e. for attendance and marks of the students, which are used to assess the performance of the students. These reports should be viewed by the in charge and user.

**INPUT AND OUTPUTS**

The major inputs and outputs and major functions of the system are follows:

**Inputs:**

* University Administrator enter his user id and password for login to authenticate in this system.
* University Administrator creates the college. While registration Colleges can able to provide their information like

**1. College id**

**2. College name**

**3. Address Information of college**

**4. Password for the college**

* Administrator can create the various college details in this website.
* Registered colleges and staff need to submit their log in information for change their password.
* For searching College details guest need to choose the colleges or search college option for user interface.
* For searching a college a guest can choose search college option.
* For upload their details a college must login to their  profile
* For display they have to view the reports.

**Outputs:**

* Administrator can have his own home page. Colleges and staff and student have their own home page after completion of the authentication process.
* Admin get all colleges and staff and course details.
* The registered user’s data can be stored in centralized database through the system user interface.
* Various types of information can be displayed to the users like colleges, courses and course subjects etc.
* After successful submission of log in information users can got their new password.
* Profile can be update by the users individually.

**UMS (UNIVERSITY MANAGEMENT SYSTEM)** makes management to get the most updated information always by avoiding manual accounting process. This system has the following functional divisions.

* University Administrator
* College Administrator
* User (Students / Faculties)
* Reports
* Authentication

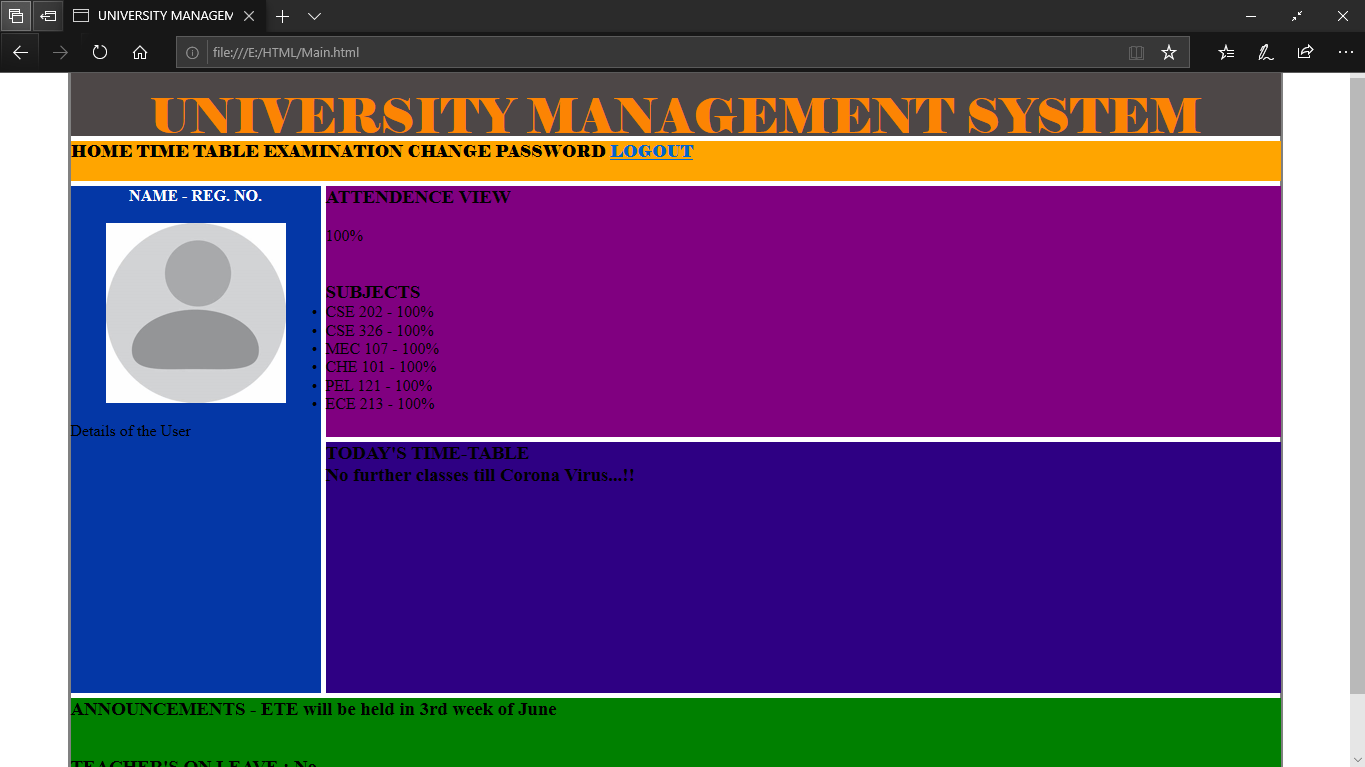
**University Administrator** has the functionality of registering new colleges and courses. College Administrator has the rights of creating department, allocating courses to departments, creating faculties, students and allocating subjects to faculties, and modifications in the data entered by the user can also be done by the college administrator. User of this may be faculty or students. Faculty has the facility of entering the marks and attendance of the students. Students can check their marks and attendance but there is no chance of modifications. Reports must be generated for the existing data i.e. for attendance and marks of the students, which are used to assess the performance of the students. These reports should be viewed by the in charge and user. Authentication: this module contains all the information about the authenticated user. User without his username and password can’t enter into the login if he is only the authenticated user then he can enter to his login.

**WEB PAGE CONSIST OF THE FOLLOWING**

* Heading – “UNIVERSITY MANAGEMENT SYSTEM”
* University LOGO
* Sub Headings – HOME, TIME TABLE, EXAMINATIONS, CHANGE PASSWORD, LOGOUT
* Profile Picture of the User
* Name of the User
* Profile of Logged In person
* Attendance View – SUBJECT WISE WITH TEACHER’S NAME
* Today’s time table of the Student
* User Announcements Teachers on leave

**SCREESHORTS OF WEB PAGE**

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