

College Website

¹Neha Assudani, ²Varsha Katiwal, ³Soniya Mulchandani, ⁴Rutuja Deshmukh, ⁵Tony Jagyasi

^{1,2,3,4}Research Scholars, ⁵Professor

Department of Computer Science and Engineering,
Jhulelal Institute Of Technology, Nagpur, India

Abstract—This paper is intended to implement a website which users find effective, efficient and satisfying requirements of a user-centered design process. Website development should be user-centered, evaluating the design against user requirements. The design should take account of established guidelines for navigation and page framework. Management and maintenance are essential to sustain usability.

IndexTerms— Website, Maintenance, Dynamic, HTML.

I. INTRODUCTION

The purpose is to design a college website which contains up to date information about the college. The website has been developed for our college in an effort to make it user-friendly and dynamic as possible. It aims to create a comprehensive content resource enabling the dissemination of information to members and a wider audience. The college website enables members to make communication and interaction with the college more convenient and efficient as well as promoting college activities. This website consists of additional features which were not provided in the previous one and to display the main details about the college, which students and visitors will be able to easily access any information required. Users need to scroll more to navigate a page which is a time-consuming task, we have overcome this problem by writing a content in a concise manner [4]. The end user navigating through the website can also link to us with social networking sites like facebook, twitter, LinkedIn.

II. LITERATURE SURVEY:

The background and motivation for this project have been studied from the following research paper:

(i) The title of the project is “COLLEGE MANAGEMENT SYSTEM FOR COLLEGE”. CMS is described as an application depends on the Intranet that describe all the levels of management providing information within an institution. This system can be usefull for an information management system for the college. For a given student/staff the Administrator creates login id & password, using these student, staff can access the system to either exchange or download some information from the database. The front-end is of HTML pages, for client-side validation JavaScript is used whereas all business logic lies in Java in the middle layer. The third layer of the database will be combined with these layers, which would be Oracle database [1].



Figure 1 : Home page for CMS.

This page contains entire details about the college, news block and teaching staff or student can login by their id & password.

(ii) This project mainly focuses on “Student Information Management System”. The design and operation of a complete student information system and a user interface is to replace the manual work by an automated system [9]. College Staff can adequately access all information of a student’s academic growth through an online and secure interface stored on the college’s website. The system only makes use of user authentication, provide only information required for an individual’s need. In addition, particular sub-system has verification process allowing only authorized users to create or update data in that subsystem. All data is completely analyzed and validated on the server before actual record modifications occur. This system provides an elementary interface for the maintenance of student record and information. Achieving this objective is effortful using a manual system as the information is distributed and collecting suitable information may need to take more time. All these complications are resolved by using this online student information management system [3].



Figure 2: Login Form:

Login form where the registered user can enter user name and password to be able to access the system and form shows registration path also.

III. OBJECTIVE

The objective of our project is to develop a consistent graphical user interface, which will reinforce College identity through the website. The website provides comprehensive and up-to-date information to the navigating user. Make it easy for the users to

navigate to every section of the site. Presentation and graphics should be appropriate. Make the core information available with minimum scrolling. To improve visual design and content structuring. Each page has unique title tags to help content be found by search engines.

IV. PROPOSED PLAN OF WORK:

There will be two Modules respectively:

Page design:

Designing an effective Home Page:

- 1) The vital information should fit on one screen, as some users will not bother to scroll the whole home page.
- 2) This should establish the site identity and present a clear analysis of the content.

Site Structure and Content:

This module will address the following aspects:

- 1) Framework the website information so that it will be beneficial to the user.
- 2) Different user groups may need different interfaces.
- 3) Use terminology habitual to the user.
- 4) What information content does the user want at what level of nicety?

V. IMPLEMENTATION DETAILS:

The implementation stage require careful planning, analysis of the existing system and its constraints on the implementation, designing of methods to achieve changeover and evaluation of change over methods.

Languages used for implementation:

HTML:

HTML is a hypertext markup language which is, in, reality a backbone of any website. Any website can't be structured without being familiar with HTML. If we create our web page only using HTML, then we can't add many of the effective features in a web page, for making a web page more effective we use various platforms such as CSS [3].

CSS:

CSS Stands for "Cascading Style Sheet." Cascading style sheets are used to format the layout of Web pages. They can be used to define table sizes, text styles and other forms of Web pages that formerly could only be defined in a page's HTML. There are lots of benefits that one can extract through CSS like improved better flexibility, content accessibility and moreover, CSS provides a level of control over various appearance characteristics of the document [3].

JAVASCRIPT:

JavaScript is a Scripting Language of the World Wide Web. The main usage of JavaScript is to combine different Web functionalities, browser detections, Web form validations a creation of cookies and so on. It is often used for the development of client-side web development. JavaScript is used to create web pages highly interactive and dynamic as possible. JavaScript is a lightweight programming language and it is embedded directly into the HTML code [3].

JQUERY:

Jquery is a cross-platform JavaScript library formed to facilitate the client-side scripting of HTML. jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML manipulation, document traversal and event handling, manipulation, animation, and Ajax much smoother with an easy-to-use API that works across a multitude of browsers framework. The jQuery

offers an simple way to adapt a wide variety of events, for example user clicking on a link, no need to clutter the HTML code itself with the event handler.

Advantages:

1. Searching for a particular Information is easy
2. Less scrolling
3. Functionality is easy.
4. Easy to handle and feasible.
5. Easy to operate.
6. *Fast and convenient*

V. DISCUSSION AND FUTURE WORK:

Student and faculty login:

Maintaining the details about students and faculties are tough using a manual system as the information is scattered, can be superfluous and collecting significant information is indeed time-consuming. To overcome the drawback of manual system we propose a new feature which provides a simple interface for the maintenance of student and faculties information and also allows them to log in so this website can also be used for information management of the college, with this they can access the system or can either upload or download some information from the database.

Library portal:

A library portal is an interface to access library resources and services through a single access. Students can check the availability of books and their previous record as well as issue the required book on the website. Only student and teachers can have access to this portal.

Content management:

Content available on the website should be structured properly so that user can easily understand the information and should be beneficial. Content should be flexible and easy for the administrator to maintain. To meet this we can use content management system.

VI. APPLICATION:

Make it easier for any end user to get overall information about the college.

VII. CONCLUSION:

This website is designed only for an individual organization, by taking into account the features and requirements given by the respected organization. This project is currently being worked on to successfully implement all the features mentioned in the document. The website gives the appropriate information to users according to the chosen service. The project is designed keeping in view the day to day problems faced regarding websites. It also provides an interface which is easy to understand by the users and greatly helps in easing adoption of any information.

REFERENCES:

- [1] Nigel Bevan, "Usability issues in website design", Serco Experience Lab, November 1999.
- [2] Lalit Mohan Joshi, "College Management System," Online Intranet College Management System, International Journal of Computer Applications.
- [3] S.R. Bharamagoudar, Geeta R.B, S.G. Totad, "Web Based Student Information Management System", International Journal of Advanced Research in Computer and Communication Engineering Vol. 2, Issue 6, June 2013.
- [4] Nigel Bevan, "Quality and usability: A new framework" (1997), National Physical Laboratory Teddington, Middlesex, TW11 0LW, UK.
- [5] Vassilis S. Moustakis^{1,2}, Charalambos Litos¹, Andreas Dalivigas¹, and Loukas Tsironis¹, "WEBSITE QUALITY ASSESSMENT CRITERIA", Proceedings of the Ninth International Conference on Information Quality.

- [6] Neelakandan.B, Duraisekar. S, Balasubramani.R, Srinivasa RagavanS, “ Implementation of Automated Library Management System in the School of Chemistry Bharathidasan University using Koha Open Source Software”,international journal of applied engineering research, dindigul.
- [7] Hand D, Mannila H, Smyth P. Principle of Data Mining, Cambridge, CA. MIT Press.
- [8] Zhibing Liu, Huixia Wang, Hui Zan “Design and implementation of student information management system.” 2010 International symposium on intelligence information processing and trusted computing.
- [9] Zhibing Liu, Huixia Wang,Hui Zan “Design and implementation of student information management system.” 2010 International symposium on intelligence information processing and trusted computing.

