

SYNOPSIS

Report on

STUDENT ALUMNI PORTAL

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ABSTRACT

The main purpose of the website is to allow old, new students and faculties of our MCA department to communicate with each other. This allows students to know about each other and their current activities. Many institutions colleges and universities maintain the information manually about present and past students. This does not allow efficient data management and retrieval process. A student willing to get information about others has to approach the college and obtain the details. Often the information may not be available and misleading.

It will provide an easy way for the students to talk and interact with each other and their alumni and hold discussions about different topics. They can talk about academic, non-academic and placement related themes. They can even chat about other issues that are common to most of them and orate their minds about other atypical topics.

This website allows students to register and then search the data based on different criteria. Also it has the benefit of having a centralize database and up to date information. A user can easily obtain information about their alumni and other registered users. This could also come in handy for asking referrals and other industry related. So, the website has a lot of possibilities to turn into a useful platform and be a comfortable communication podium for present students and their alumni.

Initial description of the various functionalities and services provided by the website. The document will also serve the basis for acceptance testing by the user. The website enables the students of the MCA department to sign-up using the email ID using which they can login and use the website further. Authorized users are provided with some facilities such as:

- Administrator module
- One time Email sending facility to Alumni members.
- Testimonials by Alumni.
- Present student module

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INTRODUCTION

The primary reason for the site is to permit old, new understudies and resources of our MCA office to speak with one another. This permits understudies to be aware of one another and their present exercises. Numerous foundations schools and colleges keep up with the data physically about present and past understudies. This doesn't permit proficient information the board and recovery process. An understudy ready to get data about others needs to move toward the school and acquire the subtleties. Frequently the data may not be accessible and misdirecting.

It will give a simple way to the understudies to talk and cooperate with one another and their graduated class and have conversations about various points. They can discuss scholarly, non-scholastic and arrangement related subjects. They might talk about different issues that are normal to the greater part of them and speak their brains about other abnormal subjects.

This site permits understudies to enlist and afterward search the information in view of various standards. Likewise it has the advantage of having a bring together data set and exceptional data. A client can undoubtedly get data about their graduated class and other enlisted clients. This could likewise prove to be useful for asking references and other industry related. In this way, the site has a ton of potential outcomes to transform into a valuable stage and be an agreeable correspondence platform for present understudies and their graduated class.

Introductory portrayal of the different functionalities and administrations given by the site. The record will likewise serve the reason for acknowledgment testing by the client. The site empowers the understudies of the MCA office to join utilizing the email ID utilizing which they can login and utilize the site further.

Approved clients are given a few offices, for example,

- Manager module
- Once Email sending office to Alumni individuals.
- Tributes by Alumni.
- Present underby student

Intended Audience and Reading Suggestions

Primary readers of this document are the web designers contributing to and testing of the Discussion Forum. Contributors to this document are the students of KIET group of Institution. The remaining sections of this synopsis describe the functional requirements for college site.

Feasibility Study

A feasibility study involves information assessment (identify information required to answer the three questions), information collection (question information sources to discover the answers), and report writing (make a recommendation about whether the system development should continue; propose changes to the scope, budget, and schedule; suggest further high-level requirements for the system).

The relevant information sources for acquiring the necessary information may include personals from organization where the system will be used, developers who are familiar with the type of system that is proposed, technology experts, end-users of the system.

To obtain a picture of how often feasibility studies are considered an integral part of the process in web development an informal survey was carried out. We run the survey through our friends and some other students from the college to know is the website that we are going to develop, and design is needed, or the idea is worth to be worked. And after getting positive feedback we started our work. First, we talked with students regarding the problems they were facing and after that we moved to the depth of the problems and found out how we can eliminate the problems from students' life.

Basically, the feasibility study we did consist of three steps:

phase one (information assessment)

In this phase we evaluated all the information that was available related to the project.

phase two (information collection)

In this phase we collected the information that is required to develop the project.

phase three (report writing)

In this phase we wrote the report. The report contained all the features that are going to be there in the project. The report also contained the use case diagram, all other project related data and functionalities.

1. Objectives

- ✓ To bring together all the old students and the faculty of MCA department to share their experiences with each other
- ✓ To maintain and update the data base of all the alumni of the college and to interact with them
- ✓ To utilize the rich experiences of old students of the college for the benefit and progress of the present students
- ✓ To provide guidance to the present students in their endeavour for better employment and higher studies.
- ✓ To promote the campus placements through the old students working in reputed industries in India and abroad
- ✓ To get the valuable advices of the Alumni in the overall development of the department
- ✓ To arrange seminars, debates, workshops and also to arrange cultural and social welfare programs
- ✓ To arrange teaching and training classes to the students studying in the college and also to the members to upgrade technical and general skills.
- ✓ To gather and maintain database of student information and to assist the members in securing suitable jobs
- ✓ To involve the members in the overall development of the MCA department.

2. Technology

5.1 User Interfaces

The website should work and be tested against IE, Firefox, Google Chrome, and Netscape.

5.2 Hardware Interfaces

There are no special hardware interface requirements. The website will work good on mobile phone, any specification laptop with internet access, or any other device that have a screen and can open a web browser.

5.3 Software Interfaces

Software requirements of the system are very nominal, and no other special requirement is there hence it is economically feasible. The website will be able to run on any decent web browser.

Technology that will be used in making of the discussion forum are:

HTML

The Hypertext Markup Language, or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

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.

1. CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

2. JavaScript

JavaScript (JS) is a lightweight, interpreted, or just-in-time compiled programming language with first-class functions. While it is most well-known as the scripting language for Web pages, many non-browser environments also use it, such as Node.js, Apache CouchDB and Adobe Acrobat. JavaScript is a prototype-based, multi-paradigm, single-threaded, dynamic language, supporting object-oriented, imperative, and declarative (e.g., functional programming) styles. Read more about JavaScript.

3. React

React (also known as React.js or ReactJS) is a free and open-source front-end JavaScript library for building user interfaces based on UI components. It is maintained by Meta (formerly Facebook) and a community of individual developers and companies. React can be used as a base in the development of single-page or mobile applications. However, react is only concerned with state management and rendering that state to the DOM, so creating React applications usually requires the use of additional libraries for routing, as well as certain client-side functionality.

4. MongoDB

MongoDB is a source-available cross-platform document-oriented database program. Classified as a NoSQL database program, MongoDB uses JSON-like documents with optional schemas. MongoDB is developed by MongoDB Inc. and licensed under the Server-Side Public License (SSPL).

5. Express

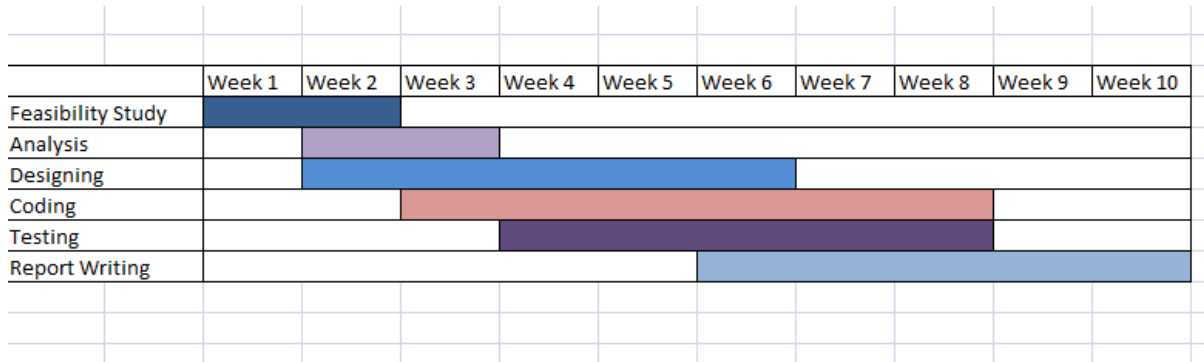
Express is a minimal and flexible Node.js web application framework that provides a robust set of features to develop web and mobile applications. It facilitates the rapid development of Node based Web applications. Following are some of the core features of Express framework –

- Allows to set up middleware to respond to HTTP Requests.
- Defines a routing table which is used to perform different actions based on HTTP Method and URL.

Allows to dynamically render HTML Pages based on passing arguments to templates

PROPOSED TIME DURATION

Proposed time duration for this work 2.5 months.



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