**9690975353 PREFACE**

I have great satisfaction in introducing “**MyDit Project**” for the welfare of the students and faculty members, which facilitates them for expressing their interest, achievements, innovations, research, project and lot of constructive stuffs which could contribute to take environment of DIT UNIVERSITY at more effective level and hence make it vibrant.

**MyDit Project** provides a platform to cluster knowledge for the students of D.I.T. to confabulate and dissertate.

This project is an effort to connect each and every student as well as faculty member to share their thoughts and knowledge to create milestones.

We are hopeful that this project will be useful for all the members of our D.I.T. family. People could come up with their ideas which may be utilized in our SOCIETY/STATE/COUNTRY welfare.

**INTRODUCTION**

“MyDit Project” deals with establishing a platform for the upliftment of the students belonging to D.I.T. It is a privatised networking website only for the technocrats who belong to D.I.T.

MyDit Project consist of different modules like New user creation, Signing up form, Discussing their achievements and ideas and Consulting their technical views with students and faculty members.

This platform also collaborates all the clubs and Chapters running in D.I.T. so that each and every student is aware of the events and happenings associated with these.

Feature of MyDit project involves groups and discussions. The groups will be subdivided as

* D.I.T. clubs
* Technical/Social Forums
* Achievements
* Awareness

In Discussion, students can discuss their knowledgeable issues and others, who are keen to answer, can provide their solutions. In this way, students who are active in discussions will learn a lot.

MyDit will provide a profile to each user which will be validate through their College ID, Branch and Name which finally would be helpful to authenticate the user’s information. In case of any indisciplinary act, strict actions would be taken against him/her or that particular student will be blocked from the portal.

**FEASIBILITY AND REQUIREMENTS**

Feasibility

D.I.T. organises a lot of technical and social events but unfortunately, many students are not aware of it. This shows that there is no such platform to connect all the D.I.T. students and inform them about the happenings in D.I.T.

MyDit provides a robust and vigorous platform which binds the students of D.I.T. on a single web page.

Students can here collaborate and work together for the upliftment of themselves as well as for the D.I.T. University. They will be able to set a benchmark for the students graduating here.

Requirements

Requirement analysis for web applications encompasses three major tasks: formulation, requirements gathering and analysis modeling. During formulation, the basic motivation and goals for the web application are identified, and the categories of users are defined. In the requirements gathering phase, the content and functional requirements are listed and interaction scenarios written from end-user’s point-of-view are developed. This intent is to establish a basic understanding of why the web application is built, who will use it, and what problems it will solve for its users.

Software requirement Specification:

The minimum software requirement specifications for developing this project are as follows:

**Operating System : Window 2000, XP, Win 7, Win 8.**

**Presentation layer : Java, Servlets.**

**Database : Sqlyog**

**Documentation Tool : Ms Office**

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## Hardware Requirement Specification:

The minimum hardware requirement specifications for developing this project are as follows:

**Processor :** Standard processor with a speed of 1.6 GHz or more

**RAM :** 256 MB RAM or more

**Hard Disk :** 20 GB or more

**Monitor :** Standard colour monitor

**PLATFORM**

To build “MyDit Project”, IDE (Integrated Development Environment) used is **Eclipse Indigo.** The Technologies used are as follows:

Java Server Pages

JSP is used to style, design and present the front end of the web application. JSP is used to embed Html, JavaScript and Business logic on a single page.

JSP provides us Scriptlets, Directives and Actions which makes it flexible to put java code with designing language.

Servlet

A servlet is a java programming language class that is used to extend the capabilities of servers that host applications access via a request-response programming mode. Servlets are Java technology’s answer to Common Gateway Interface (CGI) Programming. They are programs that run on a Web server, acting as middle layer between request coming from a Web browser or other HTTP client and databases of applications on the HTTP server.

Sqlyog

Sqlyog is used in MyDit project to store data of the user. User can fetch, generate and edit data from front end and it will be stored in the database on the backend which is organised by the developers.

**SYSTEM DESIGN**

MyDit Project’s is designed for the students of D.I.T. to provide an effective and efficient platform to connect and achieve.

The main focus of the analysis phase of Software development is on “What needs to be done”. The objects discovered during the analysis can serve as the framework or Design. The class’s attributes, methods and association identified during analysis must be designed for implementation language. New classes must be introduced to store intermediate results during the program execution.

Emphasis shifts from the application domain o implementation and computer such as user interfaces or view layer and access layer. During analysis, we look at the physical entities or business objects in the system, that is, which players and how they cooperate to do the work of the application. These objects represent tangible elements of the business.

During the Design phase, we elevate the model into logical entities, some of which might relate more to the computer domain as people or employees. Here his goal is to design the classes that we need to implement the system the difference is that, at this level we focus on the view and access classes, such as how to maintain information or the best way o interact with a user or present information.

**BENEFITS AND LIMITATIONS**

Benefits

* Connects every member of D.I.T. on a single web site
* Aware students about each and every events with D.I.T. clubs and chapters
* Provide a platform to combine the ideas and efforts and give the effective output
* Students can discuss about the technical/social issues
* Provides proper guidance to students from various departments

Limitations

* It is like a networking site, so students can even post inappropriate content but strict actions would be taken against them
* Once the ID is blocked for any indisciplinary act, student can’t access it further.
* Data storage is a challenge for this particular project.

**FUTURE DIRECTIONS**

* MyDit Project is planning to connect all the colleges of Dehradun for further interactive sessions.
* The successful completion of this project could further take to inter institutional activities and participation.
* It could also extends up to state level for Uttarakhand to get all the researchers, academicians, students from various departments on the same platform.