**TIME EFFICIENT DISTRIBUTED FILE STORAGE AND SHARING USING P2P NETWORKS**

**Abstract:**

**TIME EFFICIENT DISTRIBUTED FILE STORAGE AND SHARING USING P2P NETWORKS** is a concept of public or private sharing of computer data or space in a network with various levels of access privileges. While files can easily be shared outside a network (for example, simply by handling or mailing someone your file), the term **TIME EFFICIENT DISTRIBUTED FILE STORAGE AND SHARING USING P2P NETWORKS** almost always means sharing files in a network, even if in a small local area network. **TIME EFFICIENT DISTRIBUTED FILE STORAGE AND SHARING USING P2P NETWORKS** allows a number of people to use the same file. **TIME EFFICIENT DISTRIBUTED FILE STORAGE AND SHARING USING P2P NETWORKS** can also mean having an allocated amount of personal file storage in a common file system. It enables to create a central repository for organizing our folders. Within these folders we can create our own folders and we can upload our files into it. **TIME EFFICIENT DISTRIBUTED FILE STORAGE AND SHARING USING P2P NETWORKS** provides a file management with secure access control, sharing and supporting File with in the registered users.

**Existing System:**

* It is a manual System
* Total work is done by normal folders or files
* May be chance loss data
* Doesn’t have security
* Doesn’t have distributing
* There is no online storing facility
* Increase the Human workload to search

**Proposed System:**

* It is a Computerized process
* So total work is done by computers
* No data loss
* It have security
* It have sharing data
* Here we have a online storing facility
* Heavily reduces the human workload to search

**Study Of The System**

In the flexibility of uses the interface has been developed a graphics concepts in mind, associated through a browser interface. The GUI’s at the top level has been categorized as follows

1. Administrator Interface Design.
2. User Interface.
3. Security Authentication.
4. Reports.
5. General end-users.

The administrative user interface will maintain the different users details, the interface helps the administration with all the transactional states like which files is owner of the which file, data usage history of the users, users details information history. And the statistics of the system in difference strategies.

**number of modules**

The system after careful analysis has been identified to be presented with the following modules:

The Modules involved are

1. Authentication and Security Module
2. Users Module
3. File Management Module
4. Admin Module
5. Reports Module

**Modules Description**

1. **Authentication and Security Module**

The user details should be verified against the details in the user tables and if it is valid user, they should be entered into the system. Once entered, based on the user type access to the different modules to be enabled / disabled.

1. **User Module**

This module consists of the following sub modules

1. **Registration Module**

The general users who can use the application their personal information, contact information and other information etc…

1. **Users Management Module**

The Users can access their account information and they can view the details of their personal information and contact details. The Users can modify the personal and contact details of their in this module

1. **File Management Module**

This module has following sub modules

1. **Folders Management Module:**

In this module folder creation and maintenance, sub folder creation, deletion and managing the folder, the uploaded file can transfer from one folder to other folders.

1. **File Upload Management Module:**

The file uploading and managing the file will come in this module. The files accessibility privileges, information about the files size, type of the files, name of the files and memory management for file uploading and file deletion etc.

1. **File Download Management Module**

In this module the file downloads and storing it in to their system. the downloaded file information stores in the database. The files accessibility privilege and information of the accessibility given users details, information about the files size, type of the files, name of the files etc

1. **Admin Module**

The Administrator is a main part of an organization that he may organize all the Users and their folders information. This administrator plays the main role in this system, here we are considering he should maintain all Users profile details(address, contact, etc,….),on the user request to modify his/her (user) profile like address, phone number etc. He can also view the entire Users list.

The Administrator will maintain entire Users account history, folders history file history, and the Administrator can generate the reports like number of Users registered on the date bases reports etc.

1. **Reports Module:**

In this Module the User and Administrator can generate the different types of Reports according to their access. The User can generate the Report like how many no of other Users downloaded the Uploaded File and User can view their details, etc...

The Administrator can generate the Report like at present how many users are logged In , Number of Users are using the application and date wise registration Reports, etc.

**Software Requirements**

Operating System : Windows XP/2003 or Linux (Any OS)

User Interface : HTML, CSS

Client-side Scripting : JavaScript

Programming Language : Java

Web Applications : JDBC, Servlets, JSP

IDE/Workbench : My Eclipse 8.6

Database : Oracle 10g XE

Server Deployment : Tomcat 5.X

**Hardware Requirements (Minimum)**

Processor : Pentium IV

Hard Disk : 40GB

RAM : 512MB or more