

**GLOBAL CAMPUS**

PROJECT WORK DONE AT LOGIC VERSION TECHNOLOGIES,  
COIMBATORE.

**PROJECT REPORT**

P-768

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE AWARD OF THE DEGREE OF  
MASTER OF COMPUTER APPLICATIONS  
OF BHARATHIAR UNIVERSITY, COIMBATORE.

**SUBMITTED BY**

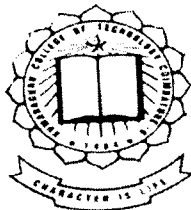
**B. INDRA**

**9938M0607**

**GUIDED BY**

**Mr. K. Sivan Arul Selvan,**

**Dept. of Computer Science & Engg.,  
Kumaraguru College of Technology, CBE.**



**Department Of Computer Science & Engineering**

**KUMARAGURU COLLEGE OF TECHNOLOGY  
Coimbatore-641006**

**MAY 2002**

**Department Of Computer Science & Engineering**  
**KUMARAGURU COLLEGE OF TECHNOLOGY**  
(Affiliated to the Bharathiar University)  
Coimbatore - 641006.


**CERTIFICATE**

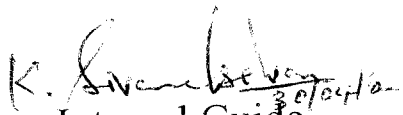
This is to certify that the project work entitled  
**GLOBAL CAMPUS**  
Done by

B. INDRA  
9938M0607

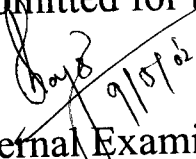
Submitted in partial fulfillment of the requirements for the award of the  
degree of

**Master of Computer Applications of Bharathiar  
University**

  
Professor and Head 30/4/02

  
Internal Guide

Submitted for the university examination held on 09-05-2002

  
Internal Examiner

  
External Examiner



**Logic Version**  
TECHNOLOGIES

41-B, Basyakkaralu Road (West)  
R S Puram, Coimbatore - 641 002, INDIA  
Tel : 0422 - 544320  
Fax : 0422 - 575888  
E-mail : lversion@vsnl.com  
<http://www.logicversion.com>

30 March 2002

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Ms.B.Indra has completed her project successfully during the period 20 December 2001 to 26 March 2002. During this period her conduct was good. We wish her good success in all her future endeavors.

With regards,  
For Logic Version Technologies



V.K.Senthil  
(Chief Executive Officer)

Arumugam Thiagarajan  
(Project Manager)

## DECLARATION

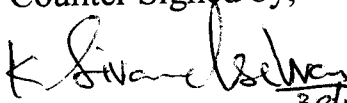
I here by declare that the project entitled '**GLOBAL CAMPUS**' submitted to **Bharathiar University** as the project work of Master Of Computer Applications Degree is a record of original work done by me under the supervision and guidance of Mr. S. **Arunagiri B.E., LOGIC VERSION TECHNOLOGIES, COIMBATORE** and this project work has not found the basis for the award of any Degree /Diploma/Associateship/Fellowship or similar title to any candidate of any university.

Place: COIMBATORE

B. Indira  
Signature of the student

Date: 30.4.2002

Counter Signed by,

  
Mr. K. Sivan Arul Selvan  
30/04/02

## ACKNOWLEDGEMENT

I wish to express my deep sense of gratitude to **Dr. K. K. Padmanabhan**, B.Sc., (Engg.), M. Tech, Ph.D., Principal, **Dr. S. Thangasamy**, Ph.D., Head Of the Department, Department of Computer Science and Engineering, Kumaraguru College of Technology, Coimbatore for providing me opportunity to take up this project.

I would like to place on record my thanks to my internal guide **Mr. K. Sivan Arul Selvan** M.Sc., M.C.A., PGD.P.M.I.R., (M.Phil.), MISTE., Department of Computer Science and Engineering whose encouragement proved to be stimulating . I am also grateful to all staff members of the Department for their support and guidance throughout this project work.

I am grateful to **Mr. Arumugam**, Group Leader, **Logic version Technologies, Coimbatore** for giving me the opportunity to work on this project. I also wish to express my appreciation and thanks to **Mr. S. Arunagiri B.E., Project Leader** for his keen interest and valuable suggestions throughout the project.

I am proud of my family for encouraging me whenever I was depressed, to face the challenges in the life and made the project a great success.

## SYNOPSIS

TITLE : GLOBAL CAMPUS  
CLIENTSIDE SCRIPTING : HTML, JAVA SCRIPT  
SERVER-SIDE : JAVA SERVLETS  
MULTIMEDIA TOOLS : ADOBE PHOTOSHOP,  
: MACROMEDIA DREAMWEAVER

The Global Campus is an emerging World Wide Web project containing various facilities through which the staffs and students all over the world can access and share educational materials.

The goal of the project is to share resources through technology by providing a "central campus" where institutions can make their resources available on the World Wide Web.

The facilities offered are the online knowledge source which gives the technical and syllabus help to the end users. It also gives the provision for the participants to take part effectively in the events conducted all over the world. The queries can be posted on any topic and the information can be got from the expert groups. The users can also tests their aptitude and technical skills. The strength and weakness of the users can be analyzed from these tests.

# CONTENTS

<b>1. INTRODUCTION</b>	
<b>1.1 PROJECT OVERVIEW</b>	4
<b>1.2 THE ORGANIZATION PROFILE</b>	8
<b>2. SYSTEM STUDY AND ANALYSIS</b>	
<b>2.1 EXISTING SYSTEM</b>	9
<b>2.2 PROPOSED SYSTEM</b>	10
<b>2.3 REQUIREMENTS ON NEW SYSTEM</b>	11
<b>3. PROGRAMMING ENVIRONMENT</b>	
<b>3.1 HARDWARE COFIGURATION</b>	13
<b>3.2 SOFTWARE CONFIGURATION</b>	14
<b>4. SYSTEM DESIGN AND DEVELOPMENT</b>	
<b>4.1 INPUT DESIGN</b>	21
<b>4.2 OUTPUT DESIGN</b>	22
<b>4.3 DATABASE DESIGN</b>	23
<b>4.4 PROCESS DESIGN</b>	27
<b>5. SYSTEM IMPLEMENTATION AND TESTING</b>	
<b>5.1 SYSTEM IMPLEMENTATION</b>	31
<b>5.2 SYSTEM TESTING</b>	31
<b>6. CONCLUSION</b>	34
<b>7. SCOPE FOR FUTURE DEVELOPMENT</b>	35
<b>BIBLIOGRAPHY</b>	36

# 1.INTRODUCTION

This project is mainly designed to provide services for the end-users. It consist of the following nine components:

1. E-Notes
2. E-Projects
3. FAQ s
4. Events & Symposiums
5. Tech Search Engine
6. On-Line Examination
7. Tech Conference
8. Ask Expert
9. Tech Chat

## **E-Notes:**

The E-Notes provides rapid publication of lecture and student notes on various subjects. The best notes awards are given to encourage the end-users. The

## **E-Projects:**

The users are facilitated by uploading the projects which can be used for future references. The projects can be downloaded and used. The best project awards are given which will create a healthy competition among the staffs and students.



## **FAQ s:**

The repeated questions answered in the Ask Expert are provided in this module. This module contains frequently asked questions along with the answers. The end users can search with a specific topic to view various queries along with the result.

## **Events and Symposium:**

This facility gives the details about the various events and symposium that are conducted. Banners and advertisements regarding the events and symposium can be posted at free of cost.

## **Tech Search Engines:**

This facility offers an internal search on the various topics available on the website. It helps in easy navigation of the website. The advanced search facility is also available and the search tips are provided for the users to know well about the working of advanced search.

## **Online Examination:**

The online examination allows the users to take tests on various subjects available. The skills of the users can be evaluated .It also highlights the top scorers list by maintaining separate member profiles for them.

## **Tech Conference:**

The tech conference provides the facility for the users to participate in the conference held on particular subjects by experts on that subject. The participants can post their queries and doubts, which will be replied by the experts.

## **Ask Expert:**

The end-users can post their queries to experts on that particular Subject and receive replies from the expert. All the repeated questions can be updated to the FAQs. Knowledge and experience of the expert can be shared among the end-users like the staff and student.

## **Tech Chat:**

The students and staffs can communicate with one another and share their ideas and knowledge. They can feel free to project their own ideas and views regarding their interested topics. It provides Multi-User environment with java net package. The user can send personal messages and can interact with the particular person with whom he wants to. He can share his ideas and at the same time gain knowledge. He can maintain good and healthy relationship with the person whom he is sharing his views.

## **1.1 PROJECT OVERVIEW:**

The modules that are highlighted in this project are:

- **E-Notes.**
- **FAQs.**
- **Tech Chat.**

### **E-Notes:**

This module contains a huge database. This database contains collective/cumulative information about various subjects like java, vb, oracle, c, etc...inclusive of various departments like medicine, engineering, agriculture, commerce, etc...

Generally notes contains short descriptive words of staff, student, general related to subject topics (i.e.) notes deals with topics/chapter of particular syllabus. It shows the knowledge level of various end users.

The E-Notes module gives the detail about the various notes that are posted by the staff and students from various colleges. The user can edit the E-Notes at any time. This module will create a healthy competition among students and staffs in general by giving award for best note. The module has the following sub-modules:

- **Post E-Notes**
- **Edit E-Notes**
- **View E-Notes**

### Post E-Notes:

The Post E-Note facilitates the user to Post the Note details in the form of texts provided by the end-user. The end-user can post all the technical information based on any particular topic, which will be useful especially for students and staffs for future reference. All the details regarding the user who is posting the notes will be made available in the database.

### Edit E-Notes:

The Edit facility gives the provision for the administrator to edit the notes that was already posted. If any change has to be made, the user can select and download the particular topic. Then he can make the required changes, and again he can post the altered notes.

### View E-Notes:

View Note facility will help the end-user to view the specific note based on the topic and subject wise. The users are provided with the facility to download the note details. If the end-user need further clarification or more details he can directly contact the person who posted the note, since all the details regarding the user who is posting the notes are made available.

## **FAQs:**

FAQ is a huge database, provided with frequently asked queries/replies on various subjects. It actually acts as a general discussion group. The FAQ Module offers the provision for the end-user to gather all the frequently asked questions. All the frequently asked questions are available in topic wise and along with the answers. These frequently asked questions are mostly taken from the ask expert module, where the users will post lot of queries in the specified field. The user can select a topic and go for all the frequently asked queries along with the answer. This module has no such restrictions like; it is not necessary that the user have to go for registration.

This module has a wide knowledge sharing among the students and the staffs. It exclusively take part in improving the communication strength.. This module contains a search facility to go for category wise queries along with the answer.

The existing system contains the FAQ, which has frequently asked queries for individual topic or subjects, but this site holds queries/replies exclusively for the technical subjects that satisfy all kind of graduates ie, UG, PG, Staffs.

The main objective is to grow the user in a specific field, acquiring knowledge from various groups of people. It offers quicker learning. The ask expert module mostly provides all the queries which has been frequently asked. The queries asked from group discussions are found to be included. This site has a specialty in having FAQ's especially in technical side.

## **Tech Chat:**

Tech Chat is huge database that helps in improving communication strength. Tech Chat is a component created using java applet. It works on the principle of socket programming. It is generally built on java net package. It is multi user environment. The Tech Chat allows the users to take part in conversation being held on various subjects. The user should create a new user id and then he can enter into the chat-room. The Conversation may be based on any particular area or subject. It allows the end users to interact globally and go for the discussions, which may help them in sharing their knowledge, and also to improve it.

The chat room contains the chatters list. Many number of chatters may be there, involved in discussions and sharing their views on various topics in which they are interested. The chatters may be any end-user who has been created a new id. Even if he has already registered, he should again create a new id to enter into the tech-chat. As soon as the user enters the chat module with his newly created id, the connection is established to the server and then chatters list is displayed. The user can then select any number of chatters and can send personal messages.

Thus a separate module has been developed exclusively for performing the discussions that is purely related to technical side. The objective is to share and gain knowledge of the end-user through discussions.

## **1.2 ORGANISATION PROFILE:**

The Organization “**Logic Version**” has its own roots spreading from the year 1989, with a mission “to be successful and quality IT Provider”. Logic Version has earned a reputation for providing high quality solutions and cost effective services to clients who are in need of accurate and detailed IT information.

The services provided by Logic Version are well-organized project management, specializing in high availability systems and business continece solutions for medium to large clients. They are also involved in research and exploration of new technologies.

The vision of Logic Version is to create an environment that will enhance the creativity and innovations for its clients and employees.

## 2. SYSTEM STUDY AND ANALYSIS

### 2.1 EXISTING SYSTEM:

The existing system has certain features that can be well appreciated yet, there are some changes to be made in order to enhance the facilities of the existing system. The system has failed to promote an important element of the modern society-communication skill between staffs and students. In the present situation there is no information about the topics in any subject, which creates dilemma among the students.

There are individual websites for every college in the world from which the general information about the institution is obtained. They merely aim at the growth of the institution and lack in promoting interaction among students and staff.

The department websites provide only intranet communication facilities among the students. The major knowledge websites are commercial in nature. (i.e.,) paid services The search services offered by the websites do not provide necessary and apt information to the end-users. There is no provision for both knowledge sharing resources like FAQ's, notes, projects and brain storming sessions like chat and conference in the same website

### DRAWBACKS:

- Existing packages are used to promote the institution rather than motivating the users like students, staff technically.
- Existing system/sites offers paid packages for study and training materials.
- Most of the site grinds the history of the institutions.
- Technical details regarding the college student's curriculum are very meager.
- Information are scattered throughout many websites.
- Cost and Time consumption is more to gather information.
- A college site doesn't offer a communication model for the staffs, students and the users of the college to acquire knowledge.



## **2.2 PROPOSED SYSTEM**

The Proposed System is an Integrated and unified portal dedicated to colleges. It provides a common channel for all kind of academic end-users. It caters to the needs of colleges, students and staff communities in sharing and providing information.

The proposed system has an extensive database to maintain huge amount of information. The students and staffs can communicate with one another and gain lot of information in a single site rather than from various sites, which increases the wastage of time and money.

The site helps in Inter-college/University communication. The system is extensive and could global college campuses. It provides vast on-line knowledge sources and is easy to navigate.

The system handles with an exclusive search engine which searches within the website and provide easy and faster access of the information to user if any keyword is provided. The news module is available in which we provide all the updated news such as top scorers, top downloads, best notes and projects etc.,

Thus the unique modules provided in this website facilitates the end-user.

### **ADVANTAGES:**

- **User friendly**
- **The Facilities offered are structured**
- **Technically advanced-share knowledge at all levels**
- **Provides dynamic search facilities**
- **Easy navigation**
- **Offers online Knowledge sources**
- **Proffers global human resource**

## **2.3 USER REQUIREMENTS ON NEW SYSTEM**

The User requirements on the new system are as follows:

- The user needs a single website that provides all the facilities for the students and staffs of the colleges/Universities.
- A very good communication facility should be proffered to the end-users.
- The description about the keywords has to be given a brief explanation.
- The colleges require a web site that provides the facility to advertise the events and symposium conducted at free of cost.
- A web site offers a healthy competition among the students should be available.
- The students with outstanding performance has to be highlighted.

## **END-USERS:**

- Students

Regular, Correspondence.

- Staffs

Teaching and Non-teaching.

- Administrators

Non-Technical staffs.

- General

General public with minimal computer knowledge.

## **3. PROGRAMMING ENIRONMENT**

### **3.1 HARDWARE CONFIGURATION**

<b>Processor</b>	<b>:</b>	<b>Pentium III</b>
<b>Processing Speed</b>	<b>:</b>	<b>600 MHZ</b>
<b>Main Memory</b>	<b>:</b>	<b>128 MB RAM</b>
<b>Cache</b>	<b>:</b>	<b>512 KB</b>
<b>Hard Disk</b>	<b>:</b>	<b>10 GB</b>
<b>Monitor</b>	<b>:</b>	<b>14 “ Samsung Color</b>
<b>Keyboard</b>	<b>:</b>	<b>104 TVS Gold</b>
<b>Floppy Disk Drive</b>	<b>:</b>	<b>1.44 MB</b>
<b>CD Drive</b>	<b>:</b>	<b>52 X</b>
<b>Mouse</b>	<b>:</b>	<b>Standard Serial Mouse</b>
<b>Printer</b>	<b>:</b>	<b>Canon-Inkjet</b>
<b>Modem</b>	<b>:</b>	<b>64 KBPS</b>

## 3.2 SOFTWARE CONFIGURATION

**Client Side** : HTML, JavaScript  
**Server Side** : Java Servlets  
**Database** : SQL Server 7.0  
**Multimedia Tools** : Adobe Photoshop 6.0  
Macromedia Dreamweaver 3.0

### 3.2.1 HTML

**HYPER TEXT MARKUP LANGUAGE** is a scripting language used for developing static web pages. It specifies the layout and the linking command present in the hypertext document themselves. The word hypertext refers to the non-linear information in the document, which help to navigate through the pages.

HTML was developed by Tim Berners Lee at CERN, the European laboratory for particle physics in Geneva.

All **HTML** document is a plain ASCII text file created using the text editor with codes inserted in the text to define elements in the documents. The World markup language to the different marking in the pages used for navigation called **Links**. **HTML** publishing tool are used for making web pages in the Net. Html documents are structured into Head and Body.

### **3.2.2 JAVASCRIPT:**

JavaScript is a scripting language developed by Netscape. The JavaScript enabled browser like Netscape Navigator or the Microsoft Internet Explorer is required to run scripts in JavaScript. JavaScript is an object-oriented language designed primarily for authors constructing HTML documents. Scripts added to HTML documents can perform a wide variety of functions, including making decisions and accessing data based on user entries, adding interactive elements- such as radio buttons-to a web page and performing complex mathematical calculations. With JavaScript, one can create interactive Webpages. JavaScript runs both on client-side (Scripts are executed after being loaded into memory on each individual user's machine) and the server-side (Scripts run on web server under Netscape's LiveWire environment). The client-side JavaScript is used for validation and other purposes.

### **3.2.3 JAVA SERVLETS:**

Java servlets is an indispensable resource for developers and Java programmers who are responsible for constructing Web-based sever-side applications. Servlets are an effective substitute for CGI scripts they provide a way to generate dynamic documents that is both easier to write and faster to run. They also address the problem of doing server-side programming with platform-specific APIs. Servlets are developed with the Java Servlet API, a standard Java extension. Many popular web servers already support it.

#### **➤ SERVLET ARCHITECTURE:**

The central abstraction in the Servlet API is the Servlet interface. All servlets implement this interface, either directly or, more commonly, by extending a class that implements it such as HttpServlet. The Servlet interface provides for methods that manage the servlet and its communications with clients.

When a servlet accepts a call from a client, it receives two objects: one is a `ServletRequest` and the other is a `ServletResponse`. The `ServletRequest` class encapsulates the communication from the client to the server, while the `ServletResponse` class encapsulates the communication from the servlet back to the client.

## ➤ **JAVA SWING:**

Swing is the next-generation GUI toolkit that Sun Microsystems is developing to enable enterprise development in Java. By enterprise development, we mean that programmers can use Swing to create large-scale java applications with wide array of powerful components. In addition, you can easily extend or modify these components to control their appearance and behavior.

Swing is actually part of a larger family of java products known as the Java Foundation Classes. Swing contains many design advances over AWT. For example, Swing introduces a new **Action** class that makes it easier to coordinate GUI components with the functionality they perform. Swing depends extensively on the event handling mechanism of AWT 1.1.

## ➤ **JAVA APPLLET:**

Applets are small applications that are accessed on an Internet Server, transported over the Internet, automatically installed, and run as part of a Web document. Applets do not need a **main ()** method. Unlike Java programs, applets do not begin execution at **main ()**. Instead, an applet begins execution when the name of its class is passed to an applet viewer or to a network browser.

There are two ways in which you can run an applet:

➤ **Executing the applet within a Java-compatible Web browser, such as Netscape Navigator.**

➤ **Using an applet viewer, such as the standard JDK tool `appletviewer`. An applet viewer executes your**

**applet in a window. This is generally the fastest and easiest way to test your applet.**

In general, you can quickly iterate through applet development by using these three steps:

1. **Edit a Java source file.**
2. **Compile your program.**
3. **Execute the applet viewer, specifying the name of your applet's source file. The applet viewer will encounter the APPLET tag within the comment and execute your applet.**

All Applets are subclasses of **Applet**. Thus, all applets must import **java.applet**. Applets must also import **java.awt**. The console-based Java run-time interpreter does not execute applets. Rather, either a Web browser or an applet viewer executes them. Output to your applet's window is not performed by `System.out.println()`. Rather, it is handled with various AWT methods, such as **drawString()**, which outputs a string to a specified X,Y location.

When an applet begins, the AWT calls the following methods, in this sequence:

### **Init ()**

The `init ()` method is the first method to be called. This is where you should initialize your variable. This method is called only once during the run time of your applet.

### **Start ()**

The `Start()` method is called after `init()`. It is also called to restart an applet after it has been stopped. `Start()` is called each time an applet's HTML



document is displayed onscreen.

### **Paint ()**

The paint() method is called each time your applet's output must be redrawn. Whenever the applet must redraw its output, paint() is called. It has one parameter of type Graphics.

### **Stop ()**

The stop () method is called when a web browser leaves the HTML document containing the applet. Stop() is used to suspend threads that don't need to run when the applet is not visible.

### **Destroy ()**

The destroy() method is called when the environment determines that your applet needs to be removed completely from memory. At this point, you should free up any resources the applet may be using. The stop() method is always called before destroy().

### **3.2.4 SQL SERVER 7.0:**

#### **➤ CLIENT/SERVER ARCHITECTURE:**

SQL sever 7 is a relational database design to support applications with client/server architecture, in which the database is resident in a central computer called as server, with information shared by several users that run applications in their local computers or clients. Such architecture provides greater data integrity, since all the users are working with the same application.

The client/server architecture considerably reduces the network traffic, since it returns to the user just the data requested.

#### **➤ SQL SERVER ARCHITECTURE:**

The SQL server 7 database is divided into several logical components, such as tables, views and other elements that are visible to the user. These elements are physically stored in two or more files in the disk. The file format or location where the logic elements are written to is seamless to the system's user.

### **3.2.5 MUTIMEDIA TOOLS:**

#### **➤ ADOBE PHOTOSHOP 6.0:**

Photoshop is a Adobe's graphics editing application, and it has earned itself a well deserved reputation in the graphics design and print industry. It is an intensely powerful program. It has a tremendous number of tools, features and plug-ins, and is so technically comprehensive.

Adobe Photoshop is the most widely used image editing software in the world. Adobe claims that virtually every image on the web today was created or modified using Adobe Photoshop, which is easy to use considering that the GIF and JPEG formats are the standard for the web graphics, and the Photoshop is one of the only applications that allows the users to create images, hot buttons, and objects that are used for display graphics. Adobe Photoshop's layers also facilitate image composition and collage. Adobe rely on its open architecture format and created plug-ins to allow the users to export images in a desired format. It is more flexible and powerful. It has been popular among web designers.

The main objective of Photoshop is:

- **Mixing image elements.**
- **Correct and Retouching Photographs.**
- **Web Graphics.**
- **Digital Imaging**
- **Pre Press Works**
- **Importing & Exporting files.**

### ➤ **Macromedia Dreamweaver 3.0:**

Dreamweaver is a professional visual editor for creating and managing Web sites and pages. With Dreamweaver, it's easy to create and edit cross-platform, cross-browser pages. Dreamweaver provides advanced design and layout tools, as well as making it easy to use Dynamic HTML features such as animated layers and behaviors without writing a line of code. Dreamweaver is fully customizable. The user can create own objects and commands, modify menus and keyboard shortcuts, and even write JavaScript code to extend Dreamweaver with new behaviors and property inspectors.

## **4. SYSTEM DESIGN AND DEVELOPMENT**

The designing phase include:

- **Input design**
- **Output design**
- **Database Design**
- **Process Design**

### **4.1 INPUT DESIGN:**

Input design is the vital part of the overall system. Any error in this system will be magnified and carried out throughout the project.

The main objectives of input design are as follows:

- To produce a cost effective method for input.
- To achieve the highest possible level of accuracy.
- To ensure that the input is acceptable and understandable.

### **REGISTRATION FORM:**

- The user-id and password field should start with an alphabet
- The special characters are not allowed in user-id and password field.
- The underscore symbol is allowed in user-id.
- The password should have a minimum of 5 characters.

## **4.2 OUTPUT DESIGN:**

The main goal of output design is to generate various screens to satisfy the requirements of the users.

### **E-NOTES:**

The interface is designed to view notes detail as its content. It will contain either specification or texts. Facility for editing the already posted note is also provided. Provision is also provided for the end-user to download the required notes.

The E-Note module also provide award for best note.

### **FAQs:**

The FAQ module provide interface for the user to select the frequently asked queries in a particular area. A frequent query on particular topic is made available along with the results. Screens are also provided for the user to view the various queries on any particular topics/subtopics.

### **TECH CHAT:**

The Tech Chat module provides interfaces to aid in the chat process. Provisions are provided for the user to have healthy discussions based on any particular topic. The end-user can give his views and ideas and also gain the same from others by chatting.

### 4.3 DATABASE DESIGN:

The database is designed in such a way that it increases the efficiency of the proposed system. In this design the fieldname, data type and width of the fields are specified.

#### REGISTRATION TABLE:

The registration table gives the details regarding the user-id and the user details at the time of registration.

FIELDNAME	DATATYPE	WIDTH
User-id	Varchar	25
First Name	Varchar	30
Sur Name	Varchar	25
Last Name	Varchar	25
User Category	Varchar	15
Hint Question	Varchar	40
Answer	Varchar	25
Personel address Code	Varchar	6
Sex	Varchar	1
Date Of Birth	Date/Time	
College Name	Varchar	30
College Address code	Varchar	6
Department	Varchar	30
Gradute	Varchar	2
Course	Varchar	20
Year	Int	
Designation	Varchar	30
Area	Varchar	30

## PERSONAL ADDRESS:

The Personal Address Table gives the details of the address of the person.

FIELD NAME	DATA TYPE	WIDTH
Personel Address Code	Varchar	15
Address 1	Varchar	30
Address 2	Varchar	30
Address 3	Varchar	30
City	Varchar	20
State	Varchar	20
Country	Varchar	15

## COLLEGE ADDRESS:

The College Address Table gives the details of the address of the college.

FIELD NAME	DATA TYPE	WIDTH
College Adress Code	Varchar	15
Address 1	Varchar	30
Address 2	Varchar	30
Address 3	Varchar	30
City	Varchar	20
State	Varchar	20
Country	Varchar	15

## LOGIN TABLE:

The Login table gives the details regarding the user-id and password.

FIELD NAME	DATA TYPE	WIDTH
User-id	Varchar	25
Password	Varchar	10

## SUBJECT TABLE:

The Subject table gives the details regarding the subjects

FIELD NAME	DATA TYPE	WIDTH
Subject-Code	Varchar	15
Subject-Name	Varchar	25

## E-NOTES TABLE:

The Note table gives the details of the notes posted by various users from various colleges.

FIELD NAME	DATA TYPE	WIDTH
User-id	Varchar	30
Reference Name	Varchar	30
Date	Date/Time	
E-Notes	Varchar	15
Rank	Number	20



## E-NOTES:

FIELD NAME	DATA TYPE	WIDTH
E-Notes	Varchar	15
KeyWord	Varchar	25
Notes Description	Text	1MB

## FAQs:

The FAQ table gives the details regarding the queries that are asked frequently.

FIELD NAME	DATA TYPE	WIDTH
User-id	Varchar	30
Expert-id	Varchar	30
Subject Code	Varchar	15
Category Code	Varchar	15
Query Code	Varchar	15
Posted Code	Varchar	15
Replied Code	Varchar	15

## TECH CHAT:

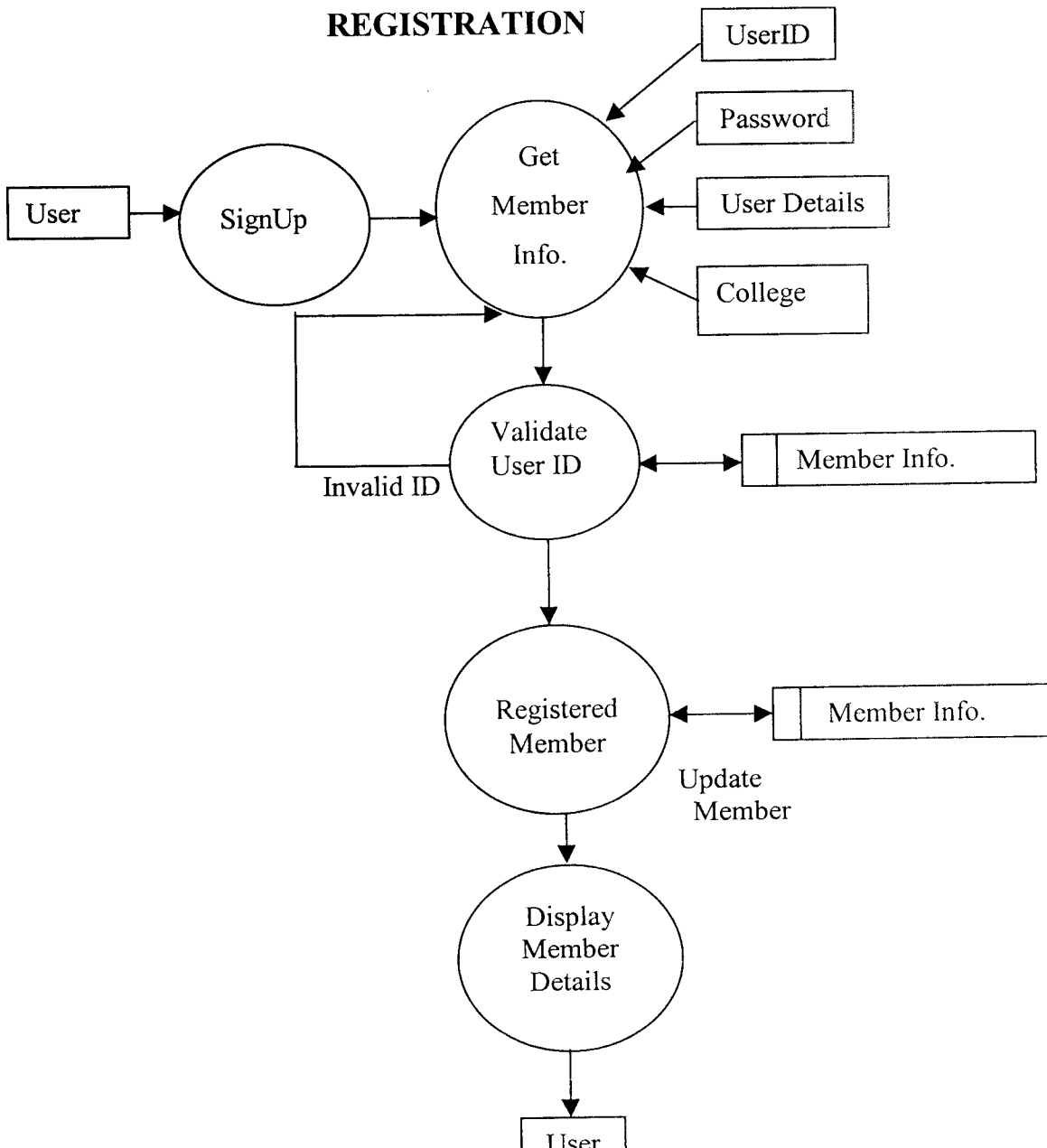
The Tech Chat table gives the provision for interaction within students, staffs.

FIELD NAME	DATA TYPE	WIDTH
User-id	Varchar	25
password	Varchar	25

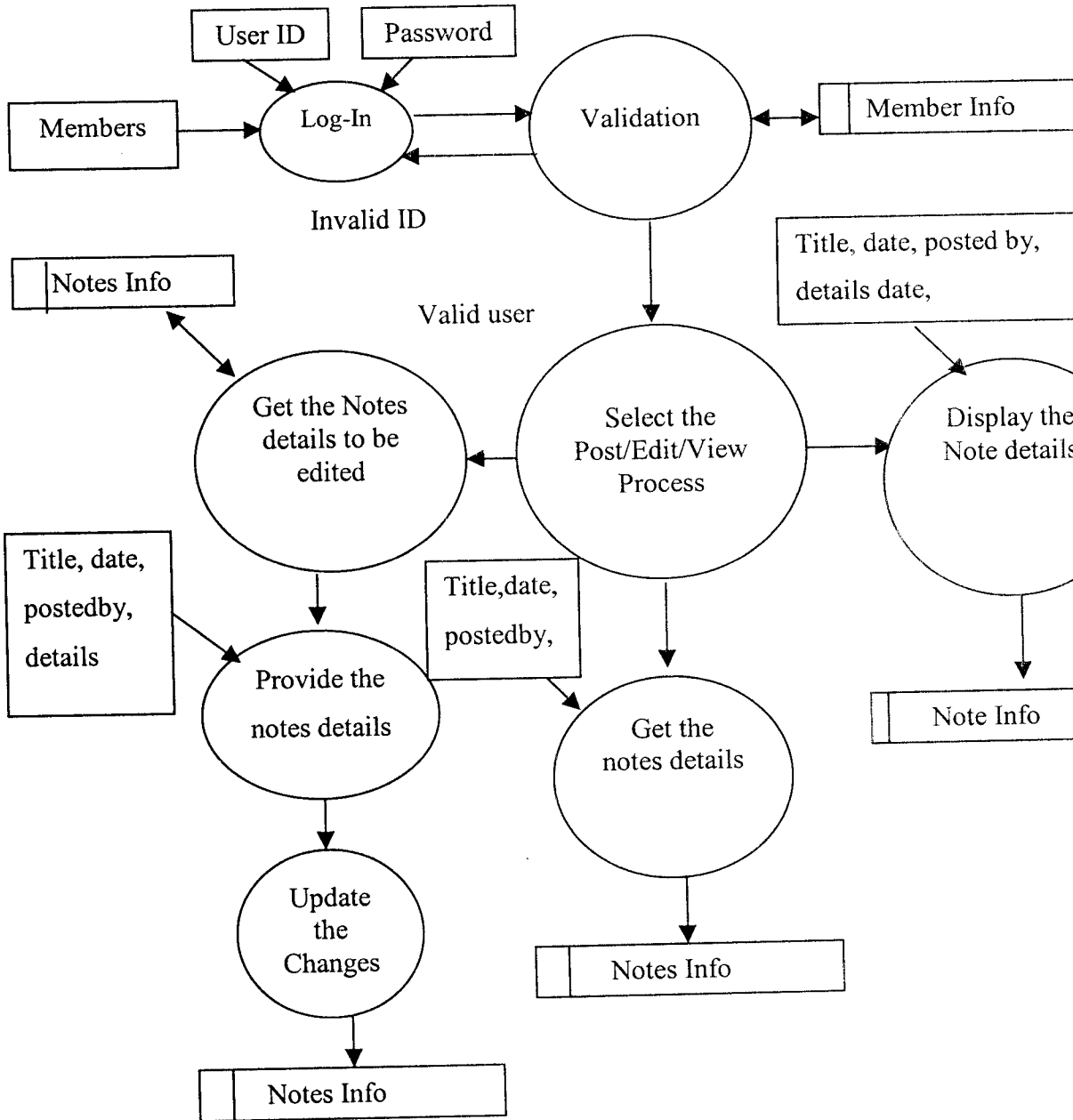
#### 4.4. PROCESS DESIGN

Process Design gives the detailed description regarding the Data Flow Diagrams, along with its processing activities. It facilitates the user to understand what exactly is being processed in the project along with its descriptions. It provides all the process that has been undergone during registration.

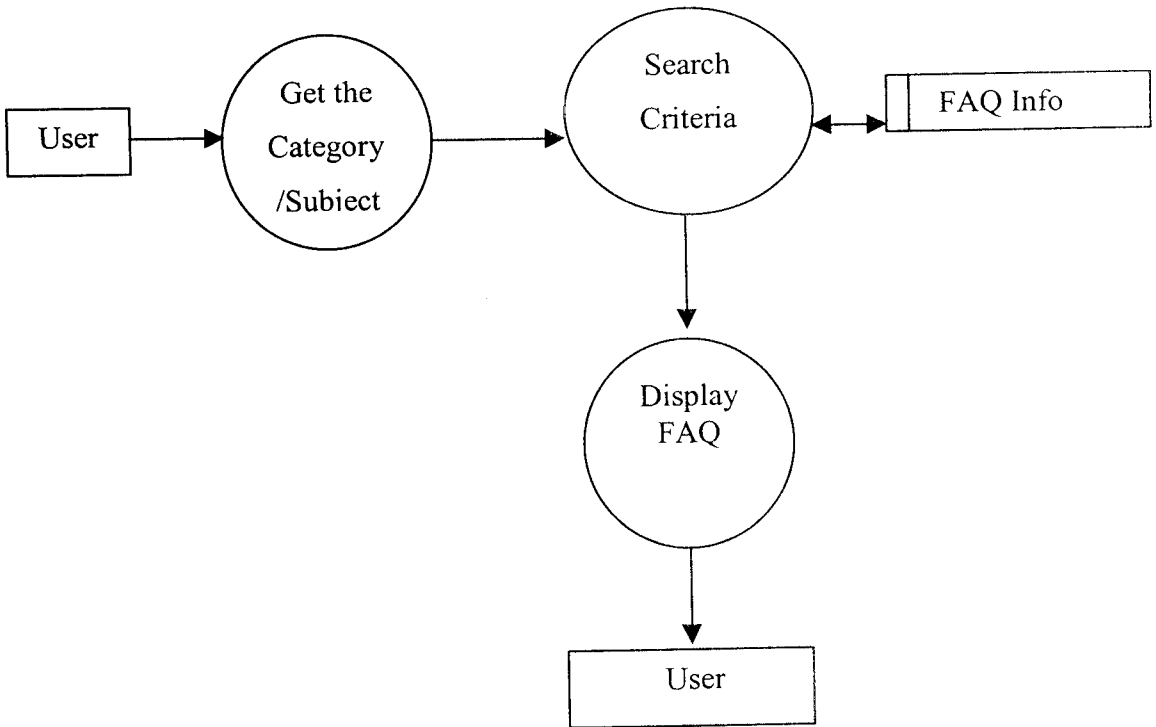
##### Data Flow Diagrams



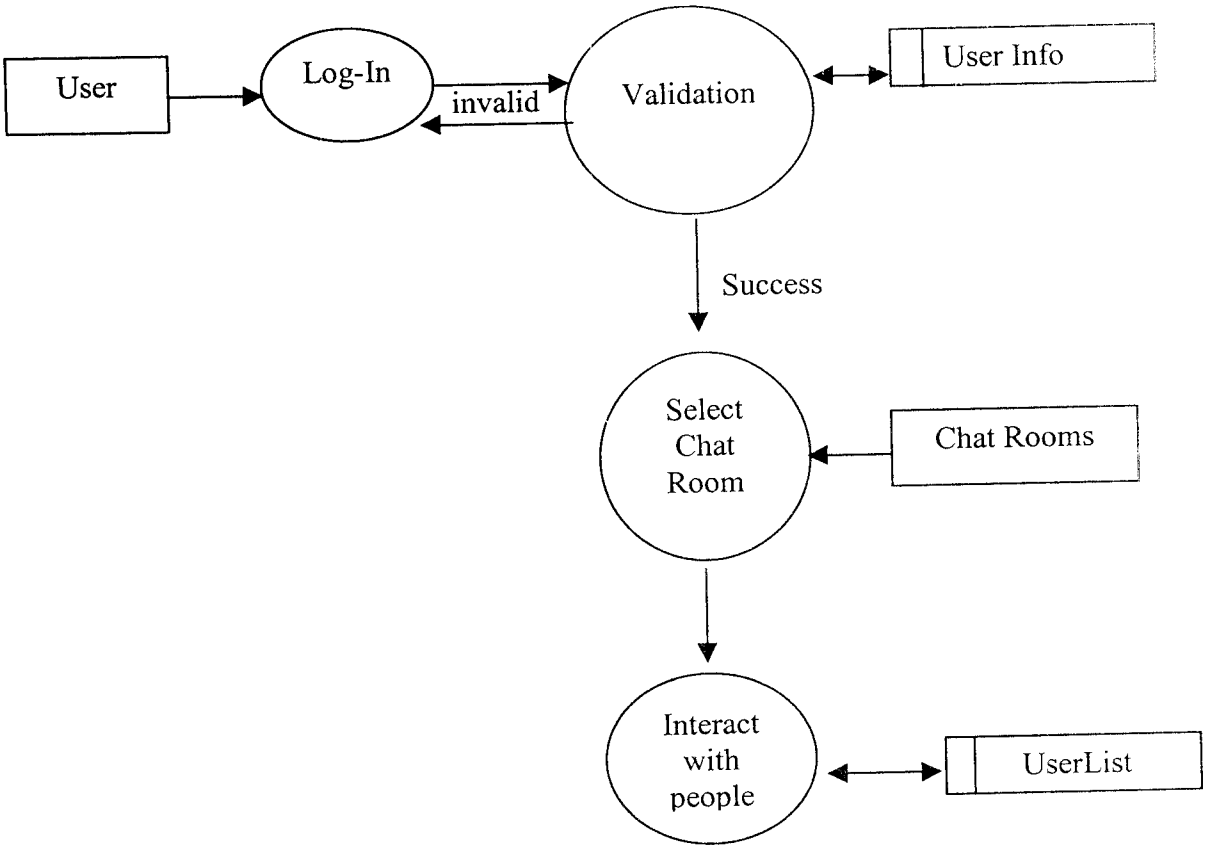
# E-NOTES



# FAQ



# TECH CHAT



## **5. SYSTEM IMPLEMENTATION AND TESTING**

### **5.1 SYSTEM IMPLEMENTATION**

The system implementation phase consists of the following steps:

- **Testing the developed s/w with sample data.**
- **The Correction of any errors if identified.**
- **Creating the files of the system with actual data.**
- **Making necessary changes to the system to find out errors.**
- **The system has been tested with sample data changes are made to the user requirements and run in parallel with the existing system to find out the errors.**
- **Making the client-server communication easier.**

### **5.2 SYSTEM TESTING**

Software testing is a critical element of software quality assurance and delineates the pre-eminent review of specification, design, and coding. Testing is aimed at ensuring the system works accurately and efficiently. Unit test, Integration test and System test. Test cases are designed for each of these tests and the functionality is tested to meet the requisite.

#### **5.2.1 UNIT TESTING**

The system follows the following steps in Unit testing:

- **All the independent paths in the modules through the control structure to ensure that all statements in the module are executed at least once.**
- **All logical decisions have been exercised**
- **Data structure test ingested to ensure that the data stored temporarily maintains integrity.**

The registration and the login forms are tested by giving various types of data and checked whether all the statements are executed. The E-Notes, FAQs, Tech Chat are checked for the data store and the integrity maintenance of the system.

## **5.2.2 INTEGRATION TESTING**

Integration testing is a systematic technique for barn-raising the program structure, while at the same time conducting tests to disclose errors analogous with interfacing. The objective is to take unit-tested modules and build a program structure that has been decreed by design.

The details updated in the E-notes and other modules should be displayed in the member profile.

## **5.2.3 VALIDATION TESTING:**

Reasonable expectations are defined in the software Requirements Specification document that describes visible attributes of the software.

The validation is done both on the client-side and server-side. In the client-side, the user-id inputted should start with an alphabet and should not contain special characters except underscore. The password should start with an alphabet and minimum 5 characters should be given.

The server-side the user name is checked with the member database for uniqueness else the user should register again.

#### **5.2.4 SYSTEM TESTING:**

Ultimately, software is incorporated with other system elements and a series of system integration and validation tests are conducted. These tests fall outside the scope of the software engineering process and are not conducted solely by the software developer.

The developed system is tested under various environments and the results are verified. The working of the system was found to be efficient in the environments tested.



## **6. CONCLUSION**

The proposed system has been effectively designed and developed to meet the complete satisfaction of the user requirements. The system is yet to be implemented.

The system has been designed to be very user friendly and interactive. The system developed also provides technically advanced facilities and easy navigation facilities. It also serves as an online knowledge source. The developed system is flexible and changes required are made whenever necessary.

## **7. SCOPE FOR FUTURE DEVELOPMENT**

The system designed has the facilities to include the changes that might occur in future. The scope for the future development of “global campus” includes the tech conference, which facilitates the user to have voice facility. The system developed supports .doc file format, which can be substituted by .pdf format if acrobat reader is available for viewing the events and symposium, notes, projects and components. Certificates shall be provided to the end-users for their outstanding performance in the examinations taken. Placement details about various students can be included which facilitates the up coming students to have an exposure about the procedures involved in the companies.

## BIBLIOGRAPHY

1. Peter Ross Bach Hendrick Schreiber, "JAVA SERVER & SERVLETS", Pearson Education Asia, Second Edition
2. Martin Gruber, "SQL INSTANT REFERENCE", BPB Publications
3. Ivan Bay Ross, "WEB ENABLED APPLICATIONS USING HTML, DHTML, PERL, CGI", Tech Media Publications
4. Lee Purcell, MaryJaneMara, "THE ABCS OF JAVASCRIPT", BPB Publications
5. Patrick Naughton and Herbert Schildt, "THE COMPLETE REFERENCE JAVA 2", Tata McGraw Hill
5. Robert Eckstein, Marc Loy and Dave Wood, "JAVA SWING", Shroff Publishers and Distributors Pvt.Ltd.
7. Vijay Mukhi, "JAVA SERVLETS JSP", BPB Publications
8. Justin Callaway, "INSIDE SERVELTS", O'RALLE Publications
9. Jason Haunter with Crawford, "SERVLET PROGRAMMING", O'RALLE Publications
10. Michael Girdley and A.Jones, "WEB PROGRAMMING WITH JAVA", O'RALLE Publications

### REFERENCES :

[www.google.com](http://www.google.com)  
[www.yahoo.com](http://www.yahoo.com)  
[www.excite.com](http://www.excite.com)  
[www.altavista.com](http://www.altavista.com)  
[www.lycos.com](http://www.lycos.com)  
[www.brainbench.com](http://www.brainbench.com)

# HOME PAGE



**Global Campus**

[News](#)

[Join Now](#)

[Search](#)

[TechChat](#)

[E-Notes](#)

[E-Project](#)

[Events & Symposium](#)

[FAQs](#)

[Ask Expert](#)

[Tech Conference](#)

The Global Campus is a collaborative multimedia database containing a variety of outstanding educational materials such as notes, projects, news, faq s and facilities like conference, chat, on-line exams, internal search to be used for nonprofit, educational purposes.

The goal of the project is to share resources through technology by providing a central "campus" where institutions may make their resources available on the World Wide Web.



[On-line Examination](#)

Member Login	
Member Id	<input type="text"/>
Password	<input type="password"/>
<a href="#">Login</a>	
<a href="#">NewUsers</a>	<a href="#">SignUp</a> <a href="#">ChangePassword</a>

[Site Map](#) | [Help](#) | [All Rights Reserved](#) | [Privacy Policy](#)



E-Notes

E-Projects

Events & Symposium

Ask Expert

Tech Conference

On-line Examination



### Registration

First Name

Sur Name

Last Name

User Id

Password

Confirm Password

User Category

Hint Question

Answer

Address



[Home](#)

[News](#)

[Join Now](#)

[Search](#)

[Tech-Chat](#)

[E-Notes](#)

[E-Projects](#)

[Events & Symposium](#)

[Ask Expert](#)

[Tech Conference](#)

[On-line Examination](#)



**Member Login**

Member Id

Password

[New Users Sign Up](#)

[Change Password](#)



### Member Profile

User Id: \_\_\_\_\_ Category: \_\_\_\_\_  
 Number Of Notes Posted : \_\_\_\_\_ College : \_\_\_\_\_  
 Number of Projects Posted \_\_\_\_\_ Department: \_\_\_\_\_  
 Number of Notes downloaded : \_\_\_\_\_  
 Number of Projects downloaded : \_\_\_\_\_

E-Notes

E-Projects

Events & Symposium

Ask Expert

Tech Conference

On-line examination



Notes/Projects	Ranks

Exams Taken	Mark Obtained



**E-Notes**



Post

Edit

view

Home

**Upload Notes**

College Name	<input type="text" value="Kumareguru College Of Technology"/>
Department	<input type="text" value="CSE"/>
Category	<input type="text" value="Staff"/>
Subject	<input type="text" value="Java"/>
Topic	<input type="text" value="Multithreading"/>
Post Notes	<input type="text" value="a\jvvd.doc"/> <input type="button" value="Browse..."/> <input type="button" value="Add"/>
	<input type="text" value="mult.doc"/> <input type="button" value="↑"/>
	<input type="button" value="↓"/>
	<input type="button" value="Submit"/>





**E-Notes**



Post

Edit

View

Home

**Edit Enotes**

College Name	Kumaraguru College Of Technology
Department	CSE
Category	Staff
Subject	Theory Of Computations
Topic	Fuzzy Logic Algorithm
Edit Note Details	fuzzylogic.doc

**Remove**

**Download**

Please download and edit the document. Upload the file with the same name after changes/Edit has been performed.



**E-Notes**



[Post](#)

[Edit](#)

[View](#)

[Home](#)

**View Notes**

Topic :	<b>Multithreading</b>	Subject:	<b>Java</b>
Posted By:	<b>Mr.Giri</b>	Date :	<b>10/03/2002</b>
Last Edited:	<b>10/04/2002</b>		
Brief Description:	SUB : Multithreading using Java..		
Notes File:	<div style="border: 1px solid black; padding: 5px;">Easy.doc</div>		
	<a href="#">Download</a>		





## Frequently Asked Questions - JAVA

Date :10/04/2002

Query: How to list the root directories using JAVA ?

Posted By: Vinma

Reply : System Directories can be listed by using getRoots()of java.io.File

Replied By:Mr.Giri

Query: Is it possible to create more than one thread to a class ?

Posted By: VJ

Reply : Yes, its possible , create threads with different names using constructor.

Replied By:Mr.Giri



**Global Campus**

**Login** [X]

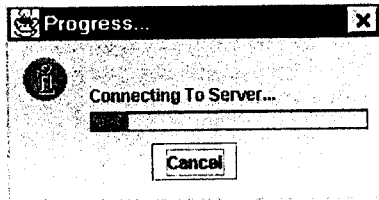
Sign Me Up

User ID:

Password:



**Global Campus**





**Global Campus**

