

# GLOBAL CAMPUS

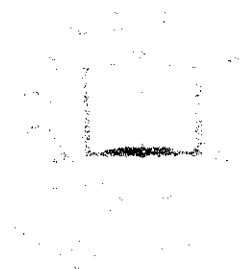
## PROJECT REPORT

P-716

Submitted By  
**R.VIJAYALAKSHMI NAIR**  
Reg.No. :0037Q0044

Under the Supervision and Guidance of  
**Mr. K. Sivan Arul Selvan M.C.A.,**

Submitted in partial fulfillment of the requirement for the award of the degree  
MSc [Applied Science-Computer Technology] of Bharathiar University



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**KUMARAGURU COLLEGE OF**  
**TECHNOLOGY**  
**COIMBATORE**

April-2002



**Kumaraguru College of Technology  
Coimbatore-641006  
Department of computer Science &  
Engineering**

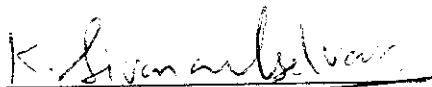
**Certificate**

This to certify that the project report entitled

**GLOBAL CAMPUS**

Has been submitted by  
**R.VIJAYALAKSHMI NAIR**

In partial fulfillment of the requirements for the  
Award of degree of Master Of Science-Applied  
Sciences (Computer Technology) of the Bharathiar  
University, Coimbatore-46 during the year 2001-2002.

  
**(Guide)**

  
**(Head Of The Department)**

Certified that the candidate was examined by us in the  
project viva-voce examination held on \_\_\_\_\_ & the  
University Register number is. 0037Q0044

  
**(Internal Examiner)**

(R. S. Dinesh, Sefesa & Co)

  
**(External Examiner)**

# DECLARATION

I hereby declare that this project entitled

## GLOBAL CAMPUS

Is submitted in partial fulfillment of the requirement for the award of the degree of M.Sc [Applied Science – Computer Technology] is the report of the original work done by me during the period of study (2001-2002) in

### **KUMARAGURU COLLEGE OF TECHNOLOGY CHINNAVEDAMPATTI COIMBATORE**

Under the supervision of  
and Guidance of

**Mr. K. Sivan Arul Selvan M.C.A.,  
(Computer Science And Engineering)**

Name

Register Number

Signature

**R.VIJAYALAKSHMI**

**0037Q0044**

*R. Vijayal*

Place : **Coimbatore**

Date : *14-12-2002*



19 April 2002

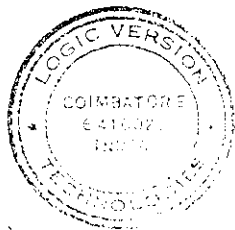
**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Ms. R. Vijayalakshmi Nair has been working as a Programmer Trainee from 28th December 2001 to 19<sup>th</sup> April 2002, in our organization. During this period her conduct and character was good.

We wish her all success in future endeavors.

With regards,  
For Logic Version Technologies

**V.K. Senthil**  
(Chief Executive Officer)



**Arumugam Thiagarajan**  
(Project Manager)



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## **ACKNOWLEDGEMENT**

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I also express my gratitude to Mr. T. Arumugam M.Sc., Project Leader and Mr.S. Arunagiri B.E., Project guide for their co-operation and valuable guidance.

I take this opportunity to thank all my classmates, friends and family members for their encouragement to complete this project successfully

A project of this magnitude would not have been possible without the blessings and co-operation of my well wishers.





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## *SYNOPSIS*

## **1.SYNOPSIS**

TITLE	: GLOBAL CAMPUS
CLIENT SIDE SCRIPTS	: HTML, JAVA SCRIPT
SERVER-SIDE SCRIPTS	: JAVA SERVLETS 2.0
IDE	: JAVA FORTE 2.0
APPLICATION TOOLS	: JDK 1.3
DESIGNING TOOLS	: ADOBE PHOTOSHOP 6.0, MACROMEDIA DREAMWEAVER 3.0

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 helps 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.



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## *INTRODUCTION*

## 2.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.

### **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.

## **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.

## **2.1 PROJECT OVERVIEW :**

The modules that are highlighted in this project are :

- E-Projects.
- Ask Expert.
- Tech Conference.

### **E-Projects :**

The E-Projects Module gives the detail about the various projects that are developed by the staff and students in various colleges. The administrator has the power to post and edit the E-Projects. This module will create a healthy competition among students and staffs in general by giving award for best project. The module has the following sub-modules:

- Post E-Project
- Edit E-Project
- View E-Project

The Post E-Project facilitates the administrator of the College to Post the Project details such as documentation or the code provided by the end-user. The Edit facility gives the provision for the administrator to edit the projects that was already posted. View Project facility will help the end-user to view the specific project. The users are provided with the facility to download the project details . If the end-user need further clarification or more details he can directly contact the person who posted the project.

## **Ask Expert :**

The Ask Expert Module offers the provision for the end-user to post their queries and doubts to an expert in the specified field. The expert can share his knowledge and experience with students and staffs who can improve their knowledge. The Ask Expert module has the following sub-module :

- Post Query
- View By Expert
- View Reply

The Post Query module provide the end-user with provision for posting queries to the expert in a particular area .The View By Expert will allow the expert to view the query posted by the user and to provide reply for it. The View Reply provides the user to view the reply for the query which he/she posted to a particular expert.

## **Tech Conference :**

The Tech Conference allows the users to take part in conference being held on various subjects. The Participant can post question to the experts available on a particular area or subject. There will be a limit on the number of participant who can ask questions. Interrupt provision is provided for the user whereby he can interrupt so that he gets a chance to ask the question. There is also facility Provided to the user to enquire the moderator about any doubts they have like some help or guidelines about the conference.



## **2.2 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.



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## *SYSTEM STUDY AND ANALYSIS*

## **3.SYSTEM STUDY AND ANALYSIS**

### **3.1 EXISTING SYSTEM :**

The existing system has certain features which 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.

### 3.2 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 reach 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

### 3.3 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.



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# *PROGRAMMING ENVIRONMENT*



## 4. PROGRAMMING ENIRONMENT

### 4.1 HARDWARE CONFIGURATION

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

## 4.2 SOFTWARE CONFIGURATION

Client Side Scripts	: HTML, JAVA SCRIPT
Server-Side Scripts	: JAVA SERVLETS 2.0
IDE	: JAVA FORTE 2.0
Application Tools	: JDK 1.3
Designing Tools	: ADOBE PHOTOSHOP 6.0, MACROMEDIA DREAMWEAVER

### 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.

## **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.

## **Java Servlets :**

Java servlets is an indispensable resource for developers and Java programmers who are responsible for constructing Web-based server-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. It is already supported by many popular web servers.

## **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 APPLET :

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**. Applets are not executed by the console-based Java run-time interpreter. Rather, they are executed by either a Web browser or an applet viewer. 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 variables. 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()**.

## **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.

### **MUTIMEDIA TOOLS :**

#### **Adobe Photoshop 6.0:**

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 relies 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.



### **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.



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# *SYSTEM DESIGN AND DEVELOPMENT*

## **5. SYSTEM DESIGN AND DEVELOPMENT**

The designing phase include:

- Input design
- Database Design
- Output design

### **5.1 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.

## **DATABASE DESIGN :**

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

### **REGISTRATION TABLE :**

The registration table gives the details regarding 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
Personal Address Code	Varchar	15
Sex	Varchar	1
Date Of Birth	DateTime	
College Name	Varchar	30
College Address Code	Varchar	15
Department	Varchar	30
Graduate	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.

FIELDNAME	DATATYPE	WIDTH
Personal Address Code	Varchar	15
Addr1	Varchar	30
Addr2	Varchar	30
Addr3	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.

FIELDNAME	DATATYPE	WIDTH
College Address Code	Varchar	15
Addr1	Varchar	30
Addr2	Varchar	30
Addr3	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.

FIELDNAME	DATATYPE	WIDTH
User-id	Varchar	25
Password	Varchar	10

### **SUBJECT TABLE :**

The Subject table gives the details regarding the subjects available.

FIELDNAME	DATATYPE	WIDTH
Subject-code	Varchar	15
Subject-name	Varchar	25

### **CATEGORY TABLE :**

The Category table gives the details regarding the subjects and its category available.

FIELDNAME	DATATYPE	WIDTH
Category Code	Varchar	15
Category Name	Varchar	25
Subject-Code	Varchar	15

## EXPERT TABLE :

The Expert table gives the details regarding the expert-id password and the expert name.

FIELDNAME	DATATYPE	WIDTH
Expert-id	Varchar	25
Password	Varchar	10
First Name	Varchar	30
Sur Name	Varchar	25
Last Name	Varchar	25
Subject-code	Varchar	15

## E-PROJECT TABLE :

The Project table gives the details of the projects posted by various users from various colleges.

FIELDNAME	DATATYPE	WIDTH
User-id	Varchar	25
Project title	Varchar	40
Date	DateTime	
Subject-Code	Varchar	15
Rank	Int	
Code	Text	
Document	Text	
EditDate	DateTime	

## ASK EXPERT :

The Query table gives the details regarding the queries asked to a particular expert along with the date.

FIELDNAME	DATATYPE	WIDTH
User-id	Varchar	25
Expert-id	Varchar	25
Subject-Code	Varchar	15
Query-Code	Varchar	15
Query	Varchar	1800
Posted Date	DateTime	

The Reply Table gives detail about the replied given for the particular query along with the replied date.

FIELDNAME	DATATYPE	WIDTH
Query-Code	Varchar	15
Reply-Code	Varchar	15
Reply	Varchar	1800
Expert-id	Varchar	25
Reply-Status	Varchar	5
Replied Date	DateTime	



## TECH CONFERENCE :

The Participant table gives the details regarding the Members involved in the conference.

FIELDNAME	DATATYPE	WIDTH
User-id	Varchar	25
User-Type	Varchar	25
First Name	Varchar	30
Sur Name	Varchar	25
Last Name	Varchar	25

The Interrupt Table gives detail about the users who have given interrupt.

FIELDNAME	DATATYPE	WIDTH
User-id	Varchar	25
Interrupt-Status	Varchar	5
Date	DateTime	
Time	DateTime	

The Topic Table gives detail about the topic that is going to be discussed in the conference.

FIELDNAME	DATATYPE	WIDTH
Topic-id	Varchar	15
Topic-name	Varchar	30
Topic-Desc	Varchar	500
Date	DateTime	
Time	DateTime	

The Vote Table gives detail about the users who have given vote and the nature of the vote.

FIELDNAME	DATATYPE	WIDTH
Msg-id	Varchar	15
User-id	Varchar	25
Vote-Status	Varchar	5
Vote-Desc	Varchar	25

The Message Table gives detail about the discussion.

FIELDNAME	DATATYPE	WIDTH
Msg-id	Varchar	15
Msg	Varchar	1000

### **5.3 OUTPUT DESIGN :**

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

### **5.3 OUTPUT DESIGN :**

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

### **E-PROJECTS :**

The interface is designed to view project detail as its content . It will contain either specification or source code .Facility for editing the already posted project is also provided. Provision is also provided for the end-user to download the projects.

The E-Project module also provide award for best project.

### **ASK EXPERT :**

The Ask Expert module provide interface for the user to select the expert in a particular area and post query to the expert . Screens are also provided for the user to view the reply given by the expert.

### **TECH CONFERENCE:**

The Tech Conference module provides interfaces to aid in the conference process. Provision are provided for the user to ask query and to view the reply. The end-user can also enquire to the moderator about the conference rules or for some guidelines.



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*SYSTEM IMPLEMENTATION AND TESTING*

## **6. SYSTEM IMPLEMENTATION AND TESTING**

### **6.1 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 is very easier.

### **6.2 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.

## **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-Projects ,Ask Expert, Tech Conference are checked for the data store and the integrity maintenance of the system.

## **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-projects and other modules should be displayed in the member profile.

## **Validation Testing**

Reasonable expectations are defined in the software .

Requirements Specification a 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.

## **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 environment and the results are verified. The working of the system was found to be efficient in the environments tested.



---

*CONCLUSION*



## **7. 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.



---

*SCOPE FOR FUTURE DEVELOPMENT*

## **8. 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.



---

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## BIBLIOGRAPHY

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Mary Jane Mara  
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Herbert Schildt  
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7. Title : JAVA Servlets JSP  
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Adele Droblas Greenberg  
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9. Title : Macromedia Dreamweaver 3.0  
Author: Steve Moniz  
Publications : Hayden Books

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[www.thevnotes.com](http://www.thevnotes.com)  
[www.presentplus.com](http://www.presentplus.com)  
[www.askfor.com](http://www.askfor.com)  
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[url:teams.lacoe.edu](http://url:teams.lacoe.edu)



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## *APPENDIX*

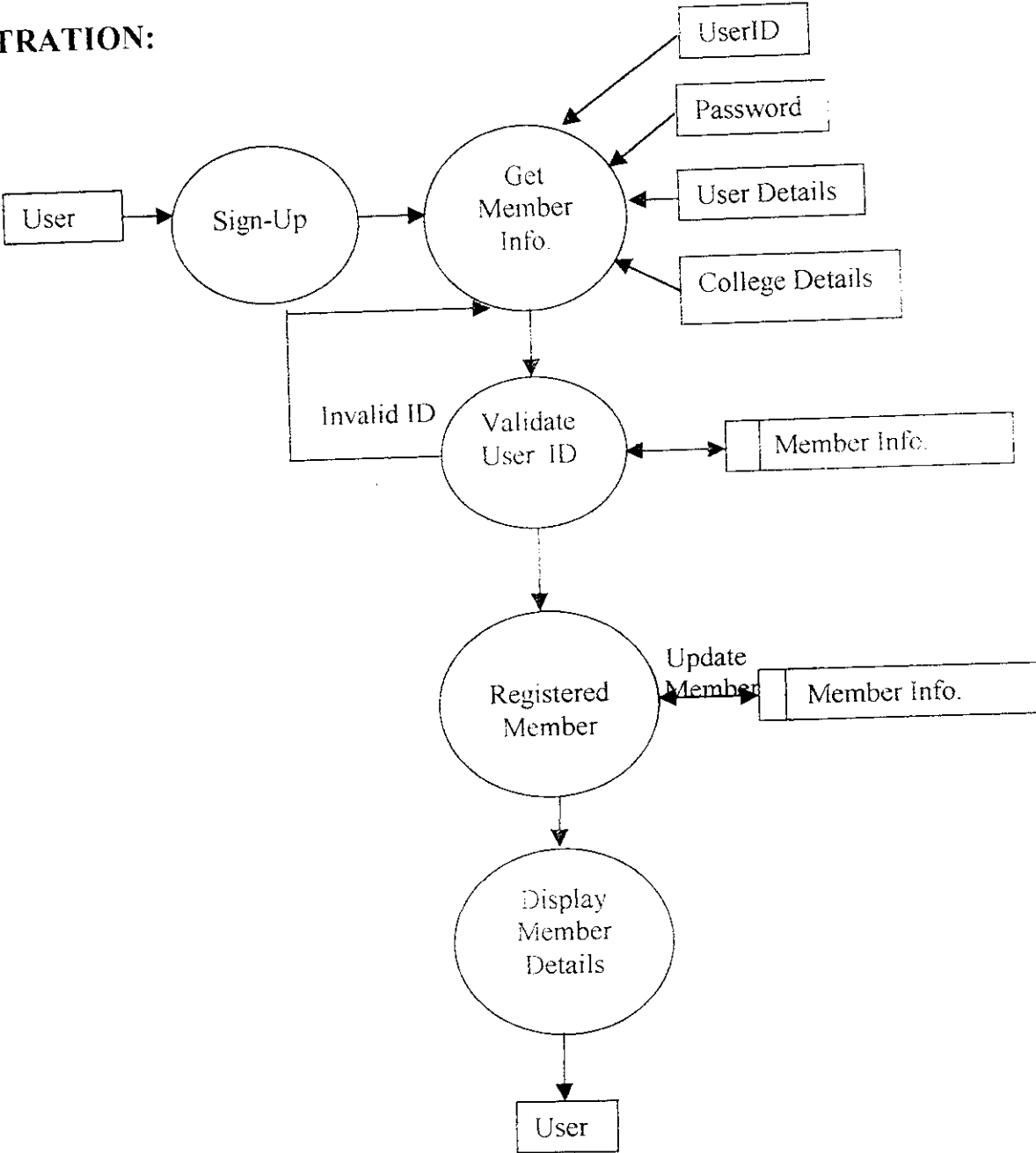




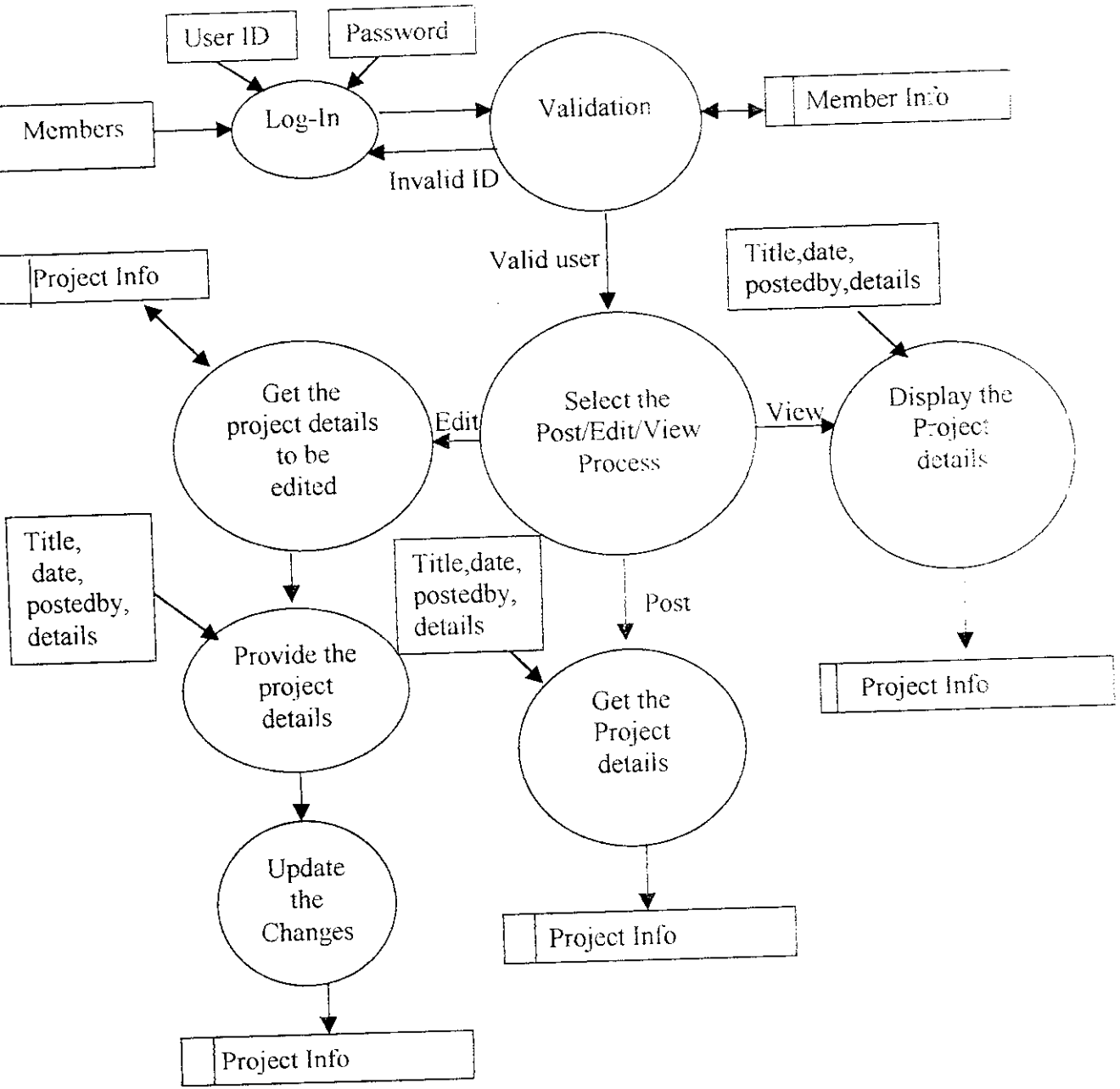
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## *DATA FLOW DIAGRAMS*

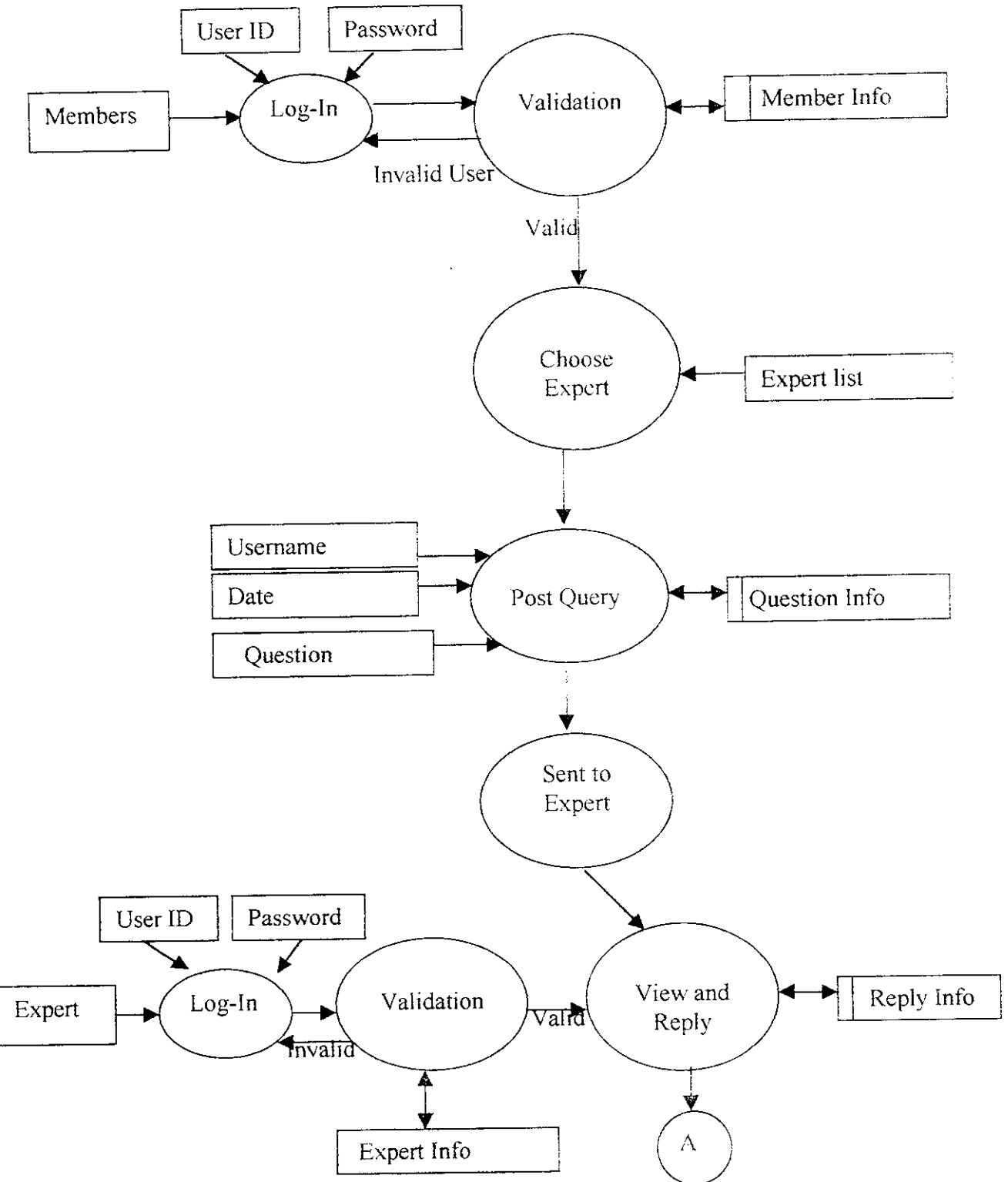
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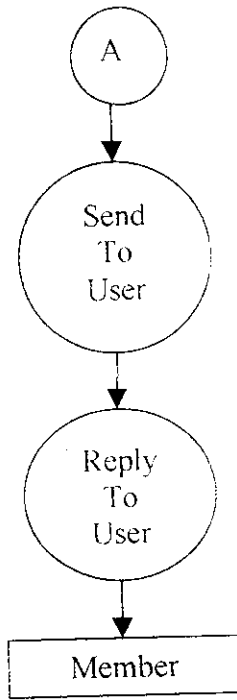


# E-PROJECTS

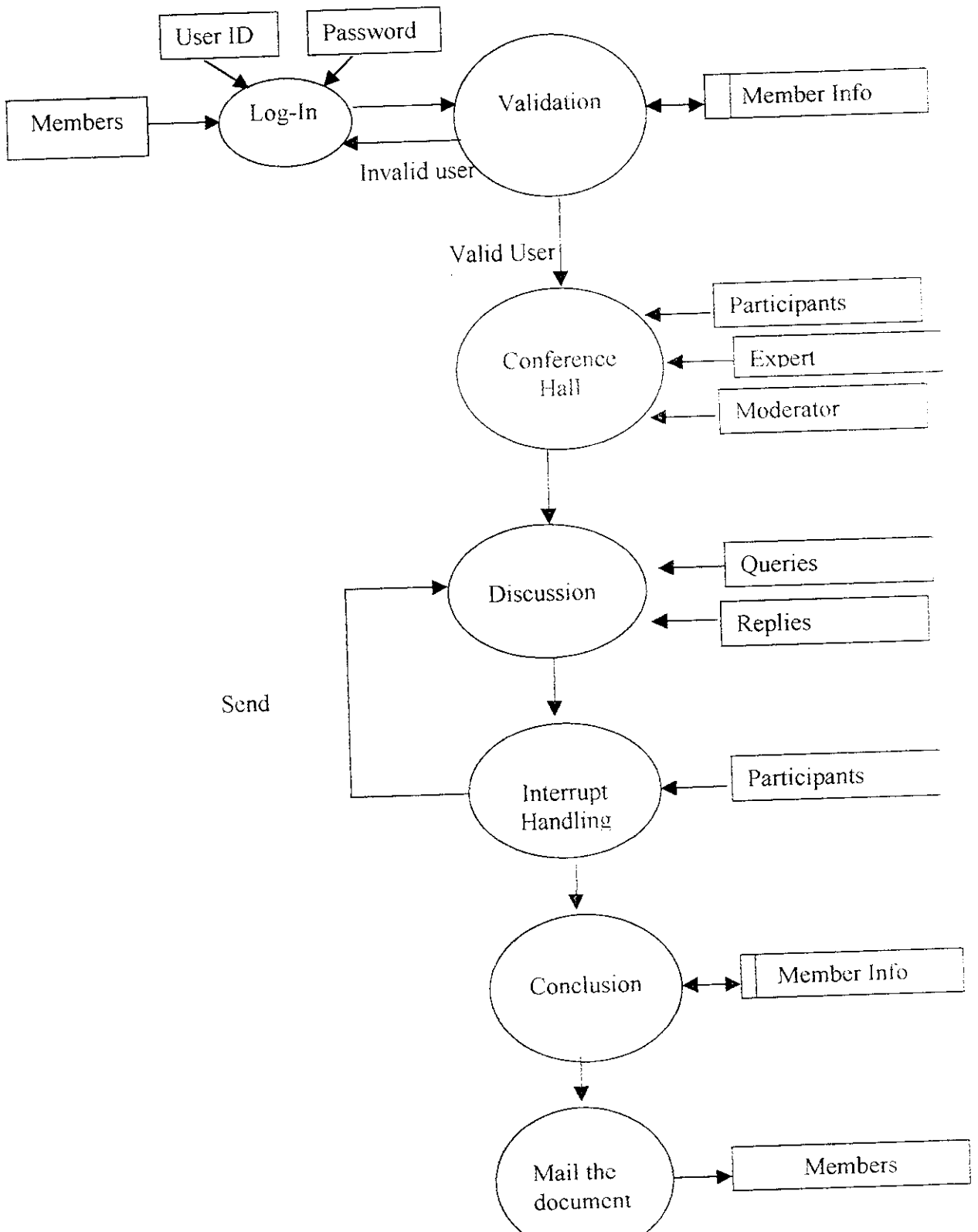


# ASK EXPERT





# TECH CONFERENCE





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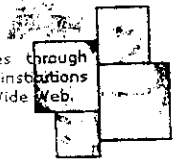
*SAMPLE SCREENS*

E-Notes

- E-Project
- Events & Symposium
- FAQs
- Ask Expert
- Tech Conference

The Global Campus is a collaborative database containing a variety of educational materials such as notes, projects and facilities like conference, chat exams, internal search to be used for 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 Id

Password

Login

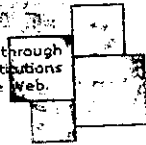


E-Notes

- E-Project
- Events & Symposium
- FAQs
- Ask Expert
- Tech Conference

The Global Campus is a collaborative database containing a variety of educational materials such as notes, projects, faq's and facilities like conference, ch exams, internal search to be used for 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 Id

Password

**Login**

- E-Notes
- E-Projects
- Events & Symposium
- Ask Expert
- Tech Conference
- On-line Examination

### Registration Form

First Name	Mijayakshmi
Sur Name	Nagar
Last Name	
User Id	MijayB
Password	*****
Confirm Password	*****
User Category	Student
Hint Question	Which is your birth place?
Answer	Karsib
Address	No-13, Bharathi Nagar, Kovalpur, Coimbatore,

- E-Notes
- E-Project
- Events & Symposium
- FAQs
- Ask Expert
- Tech Conference
- On-line Examination

Sex  Male  Female

Date Month Year

Date Of Birth

College Name

College Address

Department

Graduate  ug  pg

Course

Year of Study/Experience

Designation

Area of Expertise

Submit

E-Notes

E-Project

Events & Symposium

FAQs

Ask Expert

Tech Conference

The Global Campus is a collaborative database containing a variety of educational materials such as notes, projects and facilities like conference, exams, internal search to be used for 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 Id

Password

Login

E-Notes

E-Project

Events & Symposium

FAQs

Ask Expert

Tech Conference

On-line Examination

Member Id

Password

**LogIn**

E-Notes

- E-Project
- Event. & Symposium
- FAQs
- Ask Expert
- Tech Conference

The Global Campus is a collaborative database containing a variety of educational materials such as notes, projects, FAQs and facilities like conference, discussions, exams, internal search to be used for 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 Id

Password

**Login**

E-Notes

E-Project

Events & Symposium

FAQs

Ask Expert

Tech Conference

On-line Examination

User Id	<input type="text" value="vijaya"/>
First Name	<input type="text" value="Vijayalakshmi"/>
Sur Name	<input type="text" value="Nair"/>
Last Name	<input type="text"/>
User Category	<input type="text" value="Student"/>
Date Of Birth	<input type="text" value="22/10/1978"/>
College Name	<input type="text" value="Kumaraguru College Of Technology"/>

E-Notes

E-Project

Events & Symposium

FAQs

Ask Expert

Tech Conference

On-line Examination

Hint Question : Which is your birth place?

Answer

Kerala

Submit



E-Notes

E-Project

Events & Symposium

FAQs

Ask Expert

Tech Conference

On-line Examination

User Id : Vjaya

New Password : mercy

[Login](#)

E-Notes

E-Projects

Events & Symposia

Ask Expert

Tech Conference

On-line Examination

User Id: vijaya

College: Kumaraguru College Of Technology

Number Of Notes Posted : 1

Number of Projects Posted : 0

Number of Notes downloaded : 1

Number of Projects downloaded : 1

Category: Student

Department: CSE

Inheritance - C++ (11)

4

Computers-C++

495



E-Notes

E-Project

Events & Symposium

FAQs

Ask Expert

Tech Conference

On-line Examination

Old Password

New Password

Confirm New Password

Save

Cancel



E-Projects

[Post](#)

[Edit](#)

[View](#)

User Id:divyaa

College:Kumaraguru Collage Of Technology

Number Of Notes Posted :1

Number of Projects Posted :0

Number of Notes downloaded :1

Number of Projects downloaded :0

Category:Student

Department :CSE

Best Project Awards

Inherentce - C++(N)

4

Computers-C++

495

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Date: 10/04/2002

- Post
- Edit
- View

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**Department** : CSE  
**Category** : Staff  
**Subject** : Java  
**Project Title** : Sales Order  
**Post Project Details** : java\apro.doc

Browse... Add

Specifica.doc  
Jupte.doc

Submit

Best Project Awards

E-Projects

Date: 15/03/17 1:00

Best Project Awards

Post

Edit

View

College Name

Kumaraguru College Of Technology

Department

CSE

Category

Staff

Project Title

Sales Order

Subject

Jawa

Specifica doc

Jepro doc

Edit Project Details

Remove

Download

Please download and edit the document  
changed/edit has been performed

the file with the same name after the

E-Projects

Category

Computer

Post

Subject

Java

EJb

Keywords

Automation Projects

View

search



1-Projects

Post

Edit

View

Best Project Awards

Project Title :

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Last Edited :

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15/11/2002

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Date :

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Download



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E-Projects

Post

Edit

View

Best Project Awards

Ask Expert

[Post Query](#)

[View Query](#)

[View by Expert](#)

[Home](#)

User Id:6659

College:Kumaraguru College Of Technology

Number Of Notes Posted :1

Number of Projects Posted :0

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Category:Student

Department :CSE

Inheritance - C++(N)

4

Computers-C++

495

Ask Expert

Post Query

View Query

View by Expert

Ask Expert

[Post Query](#)

[View Query](#)

[View by Expert](#)

**Expert Name:**

**Expert ID:**

**Designation :**

**Department :**

**College Name :**

**Contact Address :**

**Area of Expertise:**

Mr.Gir:

Gm123

HOD

Computer

Kumaraguru College Of Technology

Chinnavedmapatti

Coimbatore,Tamil Nadu

India

Java

Ask Expert

Date:15/01/2002

[Post Query](#)  
[View Query](#)  
[View by Expert](#)

**College Name**  
**Department**  
**Category**  
**Subject**  
**Expert Name**  
**Contact ID**

Anna Nagar College Of Technology  
CSE  
Student  
Java  
Mr.Aramugam  
aramugam

**Query**

```
How to list the  
root directories  
using JAVA ?  
|  
|
```

Ask Expert

Post Query	User ID :	amogam
View Query	Area of Expertise	Java
View by Expert	Total Number of Queries Received :	1
	Number of Queries Replied :	1
	Number of New Queries Received :	0



Ask Expert

Post Query

View Query

View by Expert

**Posted By :** Vinay  
**College:** Kumaraguru College Of Technology  
**Department:** CSE  
**Posted Date:** 10/04/2002

**Contact:** vin223  
**Category:** Student  
**Subject:** Java

**Query** How to list the files/directories using JAVA ?

**Reply**

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

Send



Ask Expert

Post Query

View Reply

View by Expert

**Subject:** Java

**Date:** 20/04/2002

How to list the root directories using JAVA ?

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

**Expert Name :** Mr.Arjunugam

**Contact ID:** arjunugam

Save



E-Notes

E-Project

Events & Symposium

FAQs

Ask Expert

Tech. Conference

User Id: vijaya

College: Kumaraguru College Of Technology

Number Of Notes Posted: 15

Number of Projects Posted: 10

Number of Notes downloaded: 11

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Category: Student

Department: C++

On-line Examination

Inheritance - C++(1)

4

Computers-C++

495



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1:11 1:11 what is the difference between abstract and interface ?

1:11 1:11

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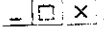
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00:01:01

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ramya



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an.

ramya



q: what is the difference between abstract and interface ?  
a: abstract class can have user defined methods,  
interface will have only abstract methods,  
interface should be implemented, abstract class  
should be extended





1

☺

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☺ ☺  
☺ ☺

I go with you

00:00:17

apu

E-Notes

E-Project

Events & Symposium

FAQs

Ask Expert

Tech Conference

On-line Examination

Member Id

Password

Login

Mr. Richard will be invited on 12/04/2002 for a conference on GMA.

Comp...Post Your Queries

For Further Details Contact :

SYMPOSIUM:  
 NGM College - Vittuoso - 08/04/2002

- MankayarKerasi
- Abirami
- NirupamaDevi
- Vivekanadan
- Vinolia
- Kanchana
- Karthikeyan
- RameshKumar

PROJECTS:  
 Sales Order - Mahi - 10/04/2002  
 Telecom And Getit  
 Yellow Pages - MankayarKerasi - 06/04/2002

NOTES:



لـ و نـ و زـ و سـ و رـ و هـ

