VIRTUAL REALITY ON WEB

A Project Report submitted in partial fulfillment of the requirements for the Award of the Degree of

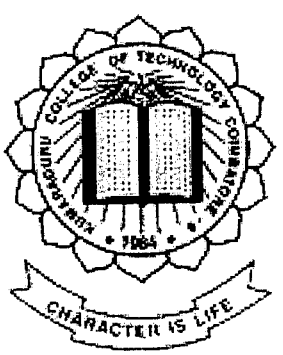
Master of Engineering in
Computer Science and Engineering
of the Bharathiar University

by,

S.Kavitha

Under the guidance of

Mr.K.R.Baskaran, M.S.



2000 - 2001

Department of Computer Science and Engineering
KUMARAGURU COLLEGE OF TECHNOLOGY
Coimbatore – 641 006.

Department of Computer Science and Engineering

Kumaraguru College of Technology

Coimbatore – 641 006.

CERTIFICATE

This is to Certify that this Project entitled

VIRTUAL REALITY ON WEB

has been submitted by

Ms. S.Kavitha

in partial fulfillment of the requirements for the Award of the Master of Engineering in Computer Science and Engineering of the Bharathiar University, Coimbatore – 641 046 during the academic year 2000 – 2001.

(Guide) **(Head of the Department)**

Certified that the candidate with University Register No 9937K0007 was examined in the project work viva-voce Examination held on 20.1.2001

Internal Examiner **External Examiner**

DECLARATION

I, **S.KAVITHA** hereby declare that this project work entitled "VIRTUAL REALITY ON WEB" submitted to KUMARAGURU COLLEGE OF TECHNOLOGY, COIMBATORE (Affiliated to Bharathiar University) is a record of original work done by me under the supervision and guidance of **Mr.K.R.BASKARAN**, Department of Computer Science and Engineering.

Name of the Candidate	Register No.	Signature of the Candidate
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DATE : 20.1.2001

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SYNOPSIS

Three-dimensional graphics are all the rage today. We see them everywhere: in video games, advertising, even feature length films. We have come to a point in history where we can create completely synthetic worlds that exist entirely inside a computer's memory. These worlds have been referred to in the popular media as "Virtual Reality", "Cyberspace", or the "metaverse".

This project is to develop a web site for our college. The concept of "virtual Reality" is implemented in developing this site.

This site contains information about

- Kumaraguru college of technology
- Infra structure
- Courses offered
- Libraries
- Departments
- Staff Details
- Laboratory Facilities
- Placement Cell

This site allows the user to make a walk through around the college. This gives the viewers a clear view about the college, libraries and laboratory facilities, instead of keeping of still pictures on the web.

Since this is a web-based application, it is developed using FrontPage, Macromedia DreamWeaver along with JavaScript, Ulead Cool 360, Studio Max software.

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1.1 ORGANIZATION PROFILE:

Kumaraguru College of Technology established by the Ramanandha Adigalar Foundation and forming part of the Sakthi Group has just completed its fifteenth year under the patronage of Dr.N.Mahalingam, Chairman, and able guidance of Prof.K.Arumugam, Correspondent.

Kumaraguru College of Technology is committed to provide quality Education and Training in Engineering and Technology to prepare our students for life and work equipping them to contribute to the technological, economic and social development of India. The College pursues excellence in providing training to develop a sense of professional responsibility, social and cultural awareness and set the students on the path to leadership.

Equipped with the state-of-the-art infra structural facilities and well-equipped faculty, it offers under graduate and postgraduate courses in Engineering and Technology.

The large number of rank holders who emerge every year in the Bharathiar University Examinations, coupled with the regular feature of several being placed in reputed organizations is ample testimony to the excellence of the institution.

The institution has taken a humble step in trying to fulfill the aspirations of national leaders in being beneficial to society.

INFRA STRUCTURE

This institution situated in a vast area of 150 acres, has well developed infrastructural facilities which include black topped campus roads (4kms), street lighting (sodium vapour lamps) HT power (150 KVA), one lakh litres of drinking water per day apart from 4 bore wells, captive power generation of 375 KVA capacity and extensive level playfields for outdoor games.

In all, there are over 34300 sq.meters of buildings to accommodate 40 class rooms, 5 drawing halls, 51 laboratories, staff rooms, central and departmental libraries, auditorium (1800 capacity), conference halls and seminar halls in every block, separate hostels for men (500 capacity) and women (150 capacity), staff quarters and guest house, An indoor games complex, gymnasium (separately for boys and girls), modern parking area, canteen/cafeteria, Karur Vysya Bank extension counter, Dispensary, Internet center, Yoga and Meditation center, Vinayaka Temple and reprographic facilities have been added to existing amenities Computational facilities with over 350 systems with the latest

configurations supplemented with a large number of peripherals, software packages and robot in the CAD/CAM center are available in the campus.

Faculty:

The faculty is the backbone of any institution. In our college, we have 116 well-qualified and highly motivated teaching faculties of which 13 are with Ph.D. and 6 members are nearing completion of their Ph.D. works. 4 of our staff members are approved supervisors for research guidance leading to M.Phil or Ph.D. The department of Mechanical Engineering has been recognized by the Bharathiar University as a center for pursing Research programmes leading to Ph.D Degree from 1999-2000. Research papers of our faculty have been published in many national and international Journals, conference proceedings.

PLACEMENT CELL

A full fledged Placement Cell is functioning in this institution under the supervision of full time placement officer. The placements that our students get in well-reputed companies speak volumes about the college's placement cell. A large number of students have already been selected and consequently the number of companies that visit our campus are on the rise.

1.2 HARDWARE SPECIFICATION

DEVELOPING MACHINE CONFIGURATION

- Processor : Pentium II
- Cache Memory : 128KB
- Clock Speed : 333 MHZ
- RAM : 128 MB
- Hard Disk : 10 GB
- Video Adapter : 1 MB SVGA
- CD Drive : Creative 52X
- Floppy Drive : 1.44 MB
- Monitor : Samsung 15" Color
- Keyboard : Samsung Windows Keyboard
- Mouse : Logitech 3 Button Mouse
- Speakers : Zenith 160 Watt
- Modem : Momenta 56 KBPS
- Scanner : Umax Astra 610P
- Printer : HP Laser 6L Gold
- Digital Camera : Digital Mavica MVC – FD5

1.3 SOFTWARE SPECIFICATION

- Windows 98
- Microsoft FrontPage 2000
- Macromedia DreamWeaver
- Adobe Photoshop 5.0
- 3D Studio Max
- ULead Cool 360
- ULead Cool 3D
- Anfy Java
- Java Script
- Xara 3D

1.4 SOFTWARE DESCRIPTION

A brief introduction about the software and the language used is given below:

HTML: An INTRODUCTION :

HyperText Markup Language (HTML) is the encoding scheme that is used to create and format web documents. HTML is not a programming language. HTML is exactly what it claims to be a markup language.

HTML – where it came from:

HTML is nothing new, it is an improved version of Standard Generalized Markup Language (SGML) which was in existence a long time back. Tim Berners-Lee designed the original HTML document type in 1990.

WHY WE USE HTML:

It can be used to display any type of document on the host computer, which can be geographically at a different location. It is a versatile language and can be used on any platform or desktop. Being platform independent, HTML indicates the manner in which the document is to be read by the interpreter. This can be done by a set of HTML element, which markup the document and inform

the browser like the Internet Explorer above the action to be taken when a certain element is specified.

The appearance of the web page is important, and HTML provides tags to make a document look attractive. Using graphics, fonts, different sizes, color etc, can enhance a presentation of the document. This language allows the creation of Hypertext Links, also known as hyperlinks, to other documents are some portions of the same document.

There is no limit to the time and type of information that can be disseminated through the web pages by using this versatile language.

JAVA SCRIPT:

Java Script is the most powerful and versatile scripting language, designed exclusively for World Wide Web. Using Java Script, we can transform lifeless web pages into dynamic, fully interactive pages with real time response. Java Script can automatically update Java applets and Plugins. Java Script can be used both on the client and server. These client side scripts will ideally be used with Internet Explorer.

3D STUDIO MAX

3D Studio Max is a tool for creating 3D objects. It allows us to create a 3D world filled with objects. The objects can be given the appropriate textures, brightness etc. so that the real effect of that objects can be achieved. Once a file is created in 3D Studio Max, it can be exported to VRML format which will be of the type .WRL and a walk through can be made through the created world.

VRML : An Introduction

In May of 1994, the First international WWW conference was held at CERN in Geneva, Switzerland. At that conference, David Raggett kicked the idea of web towards the direction of 3d. A new technology, the Virtual reality Modelling Language (VRML), brings architecture, space, and place to the world wide web. Using VRML, we can create a "Living room" in cyberspace as easily as we can create a home page, and fill it with the objects of our life.

VRML is a tool for creating 3D virtual experiences on the World Wide Web. Even though it is in its infancy, VRML will allow you to realize your visions and make them available to everyone on the web.

A short history of VRML

The origins of VRML date back to the middle of 1994, to a European web conference in which Tim Berners – Lee talked about the need of the 3d web standard. He coined the name VRML (Virtual Reality Markup Language) as an acronym to parallel HTML.

Then Mark Pesce started a mailing list called www-vrml at Wired magazine.The VRML mailing list was the seed from which a thriving community of artists, engineers, and visionaries grow. The name was then quickly changed to VIRTUAL REALITY MODELLING LANGUAGE to reflect the emphasis on worlds rather than pages of text.

THE REQUIREMENTS

Gavin Bell, the SGI Engineer conceived of 3 requirements he deemed important for 3D web content: Composability, scalability and Extensibility.

Composability allows an author to create a virtual house scale it down, and place it on a tabletop. Scalability allows world of arbitrary size to be created. With VRML it must be possible to see a galaxy, zoom in on a star

system, Then to a planet, then a city, a block, a park, a man sitting on a bench and a mosquito sitting on his arm. This is difficult due to limits in the precision of Computer hardware, but it is important to prevent every world from having arbitrary limit in size or detail.

Extensibility allows an author to extend the capability of the language to serve special purposes. This allows, for instance, multi user worlds to be created or new geometric objects to be added to VRML.

Nodes

A VRML file describes a scene in an object oriented manner. The basic elements building the objects are called nodes. The nodes can be divided into five different categories:

1. Shape nodes

Represent 3D geometry objects, such as points, lines, polygons, or even more complex shapes like cubes, spheres, cones, or cylinders. They are the only nodes, which are visible.

2. Property nodes

Affect the appearance and the characteristics of the other nodes. They can be divided into three subgroups:

- Transform nodes perform coordinate transformations on the given geometry (e.g., rotation, translation, scale, etc.).
- Appearance nodes affect an object's appearance, such as color, material properties, or texture maps.
- Metrics nodes contain coordinates, normals, texture coordinates, and other geometric information.

3. Group nodes

Are used to collect nodes to implement a hierarchical structure. Some of them can isolate the effects of their children from the rest of the scene.

4. Light nodes

Are used to define different types of light sources to illuminate the scene (e.g., point lights or spot lights).

5. Camera nodes

Are used to define different points of view, for example to create a guided tour through the virtual scenario.

Nodes have some further characteristics. They have associated fields describing their parameters (e.g., the height of a cone, the position of a light source, etc.). A name can be assigned to a node, which allows to use it later

everywhere in the scene. This mechanism, called instancing, reduces the necessary memory capacity because only one copy of the node is allocated and it can be referenced multiple times.

Panoramic Imaging

Panorama is a phenomenon of creating zoomable 360° panoramic images that visitors can experience, not just look at. A series of snapshots can be converted into a seamless panorama. Panoramic files are high-resolution and bandwidth-friendly.

How to create panorama?

Shoot the pictures using digital Cameras Use panoramic softwares to process the panoramic image for the photos that we select. Then the images are stitched together into a seamless, high-resolution, zoomable panorama. The software **Ulead Cool 360** is used to create the panorama effect.

How it works

ULead COOL 360 is a surprisingly powerful program that takes a simple series of photos and turns them into an immersive 3D panoramic experience. Since a single panoramic image is actually composed of a number of

separate photos from your camera, the first step to creating a panorama is to organize everything you need into a project file.

The next step is to use some sophisticated photo retouching tools to improve your images. We can make a sunset more colorful, make a dark room lighter, or simply tweak an image to match its neighbors better.

The final step is similar to taping your images together and putting the finished panorama into a frame. On a computer, this may be as simple as saving the panorama to a new image file. Wraparound 360° images require a special viewer, however, so we should not forget to let COOL 360 include the tiny viewer with your image.

2. SYSTEM STUDY & ANALYSIS:

2.1 EXISTING SYSTEM:

The existing system is also a web based application but with motionless pictures and textual information. There are many drawbacks of the existing system such as:

- Error prone
- Contains less information
- Contains only still pictures

2.2 PROBLEM IDENTIFICATION

The problem identification begins with understanding the actual process involved in the site. All the facts, data and activities related to the problem are identified. Then the time limit to solve the problem was also identified.

2.3 NEED FOR VIRTUAL REALITY:

The development of the new system results in the following advantages, which clearly exhibits the need for virtual Reality:

The discipline of the Virtual Reality eliminates the incompatibilities that exist in the existing system.

2.4 FEASIBILITY STUDY:

During system analysis, the feasibility study of the proposed system is to be carried out. This is to ensure that the proposed system is not a burden to the company. The study can be categorized into three types. They are as given below:

1.Economic Feasibility Study

This study is carried out to check the economic impact that the system will have on the organization. The amount of the fund that the organization can pour into the research and development of the system is limited. The expenditures must be justified. No one will be willing to invest on a white elephant. Thus the developed system was well within the budgets. And this was achieved because most of the technologies used or freely available. Only certain photographs concerned with the organization is required.

2.Technical Feasibility Study

This study is carried out to check the technical requirements of the system. Any system developed must not have a high demand on the available technical resource. This will lead to the high demands being placed on the client and might evenly to the whole idea of the purpose of implementing this system. The

developed system has a modest technical requirement, as only minimal or null changes are required to implement this system.

3.Social Feasibility

This aspect of study is to check the level of acceptance of the system by the user. This includes the process of training the user to use the system efficiently. The user must not feel threatened by the system but must accept it as a necessity. The level of acceptance by the users solely depends on the methods that are employed to educate the user about the system and to make the user familiar with it.

2.5 PROPOSED SYSTEM:

The proposed system is a web-based application in which the concept of virtual reality is implemented. Thus the proposed system consists of:

- A set of web pages, which describes in detail about all the functionalities of the institution.
- The virtual reality is implemented in that in two ways, one by Panorama and another by VRML.
- The VRML should be implemented to make a walk around the college.

- The panorama should be used to make a walk around inside some computer laboratories, Libraries.

3. IMPLEMENTATION

The most important phase in the development of any software is implementation. In this project, the phenomenon of Virtual Reality is implemented in 2 ways.

1. Panoramic Imaging
2. VRML Method

Ulead Cool 360 is used for implementing Panoramic Imaging. Here continuous photos are used and stitched to bring this effect.

In the case of VRML method, the required area, where the walk through is to be made is drawn using 3D studio max and then it is exported to VRML format. Once it is converted to VRML format, walk through can be made through the drawn area.

4. SOFTWARE TESTING

Introduction: -

One of the essential parts of software development demonstrates the correctness of the software program. This is accomplished through verification, validation and testing activities.

Verification: -

It is the demonstration of the consistency, completeness and correctness of the software as it evolves through each development stage.

Validation: -

It is demonstrating that the finished software system correctly meets user needs and requirements.

Testing: -

Testing is vital to the success of the system. System testing makes a logical assumption that if all parts of the system are correct, the goal will be successfully achieved.

Unit testing: -

All the modules were tested individually as soon as they were completed and were checked for their correct functionality.

In our web design all the pages and links created are checked for proper functioning and also the virtual reality module implemented through panoramic as well as VRML are checked for its correctness and also if it is as planned.

Black box testing: -

In this testing the actual working of the system is not taken into consideration. The system is tested with the viewpoint of the user. The user interface is checked. A person who is not familiar with the system can best carryout this testing. All the operations are checked intensively and their error is rectified if any is found. This testing is very important in the point of view of the user.

5. Maintenance and Review:

Maintenance includes both the improvement of the system functions and the correction of faults, which arise during the operation of a system. After the system has been successfully implemented, maintenance activity may require continuous involvement of the developers. Maintenance work may arise due to two reasons:

- Errors that creeps up during normal running
- Requires changes in the site
- Whenever a new feature is added
- Incase an upgradation is to be made to that system

This maintenance will help to ensure that the system works smoothly and as predicted in the open environment. Whenever a maintenance work arises, the work has to be properly carried out with proper documentation. This is to avoid anyone else from changing the structure of the system.

For every maintenance work, an amendment notification is to be issued. This notification will have the required changes and also authenticated. On receipt of the amendment notification, the amendment log is prepared which

record these course of action that has been planned to be taken. It also records the estimated and actual completion of each of the activities.

Finally the amendment list provides a permanent record of all the changes made. This is appended to the end of the document or the document itself is changed to reflect it. After all the changes have been carried out the entire system must be reviewed. Here the predicted performance is compared with the actual performance of the system. The objective of the system should be valid in the present environment.

The review must be carried out by someone who has nothing to do with the development of the system. This must be carried out after the change over has occurred. The review must be over-riding in nature. This is to verify that the stated objective of the system has been achieved.

The review must also check if the user of the system is comfortable with it. The user friendliness and the feedback are to be reviewed for their correctness.

6. CONCLUSION

In this information era, Internet plays a most vital role among the people. Hence, it is a must to have a website for each and every organization, since it allows people all over the world to know about the organization.

The implementation of virtual reality on the system gives an added advantage of the web surfers to realize their visions. This site uses three dimensions to connect directly with our brains' abilities to handle spatial data with power and familiarity. The system will reduce the workload of the manpower.

The walk through affect is achieved so that the viewers may have the feeling of seeing the location by walking through. The main advantage of this system is its user friendliness. This provides greater efficiency on the day today web.

7. FUTURE ENHANCEMENTS

Scope of Future Development

The current working system is very flexible in nature. Hence the system can be enhanced to add up new specification or facility as per the requirement of the organization.

The system can be enhanced by introducing some additional features like

- Voice recognition on the web
- Application forms can be received from the applicants through the web itself.
- Staff vacancies can be published in the site.
- Upgradation of the site can be made easily once a new course has been introduced.

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2. CHRIS MARRIN & Bruce Campbell, "TEACH YOURSELF VRML IN 21 DAYS", Techmedia, Pg. Nos. 1- 40, New Delhi, 1997.

WEB SITES

1. http://vrml.wired.com
   Description about VRML and VRML Plugins
2. http://www.sgi.com
   Gives links to VRML featured sites
3. http://www.aereal.com
   Allows to create VRML Texts
4. http://www.vrmlsite.com
   Availability of VRML Plugins
5. http://www.gatherround.com
   Description about Panorama

SAMPLE CODES FOR VRML

```
#VRML V2.0 utf8

# Produced by 3D Studio MAX VRML97 exporter, Version 2.05, Revision 1.3
# MAX File: final.max, Date: Fri Dec 15 17:20:25 1995

DEF COL061_ Transform {
 translation 0 0 0
 children [
  Shape {
   appearance Appearance {
    material Material {
     diffuseColor 0.8863 0.9333 0.9961
     ambientIntensity 0.9386
     specularColor 0 0 0
     shininess 0.05
     transparency 0
     emissiveColor 0.08863 0.09333 0.09961
    }
   }
   geometry DEF COL061_-FACES IndexedFaceSet {
    ccw TRUE
    solid TRUE
    colorPerVertex FALSE
    color Color { color [
     0.8863 0.9333 0.9961, 0.6667 0.5059 0.4196      ] }
    coord DEF COL061_-COORD Coordinate { point [
     -1097 211 2589, -656 211 2589, -1097 211 2609, -1097 -132.6 2589,
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651 131 2620, 649.1 -21.51 2620, 570.1 -21.51 2620,
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-434.1 -21.51 2620, -446.2 131 2620, -416.2 131 2620,
-515.9 131 2620, -606.7 -132.6 2670, -451.1 -82.63 2670,

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-1144 -87.63 2691, -1144 -31.51 2624, -1144 -31.51 2691,
]
}

CODE FOR PANORAMIC EFFECT FOR DIGITAL LIBRARY

```
<HTML>
<HEAD>
<META HTTP-EQUIV="Content-Type" CONTENT="text/html;
charset=windows-1252">
<META NAME="Generator" CONTENT="Microsoft Word 97">
<TITLE>
diglib
</TITLE>
</HEAD>
<BODY LINK="#000080" VLINK="#000080">
<P>
<EMBED SRC="diglib1.ivr" BORDER="0" WIDTH=640 HEIGHT=426>
</P>
</BODY>
</HTML>
```

CODE FOR PANORAMIC EFFECT FOR MULTIMEDIA LAB

```
<HTML>
<HEAD>
<meta http-equiv="Content-Type" content="text/html;">
<title>
mmpano
</title>
<meta name="GENERATOR" content="Ulead COOL 360 V1.0">
</HEAD>
<body link="#000080" vlink="#000080">
<EMBED SRC="mmpano.ivr" BORDER="0" WIDTH=640
HEIGHT=426>
</p>
</body>
</HTML>
```

CODE FOR PANORAMIC EFFECT FOR MCA LAB

```
<HTML>
<HEAD>
<meta http-equiv="Content-Type" content="text/html;"> <title>
mcalab
</title>
<meta name="GENERATOR" content="Ulead COOL 360 V1.0">
</HEAD>
<body link="#000080" vlink="#000080">
<EMBED SRC="mcalab.ivr" BORDER="0" WIDTH=475
HEIGHT=285></p>
</body>
</HTML>
```

SAMPLE HTML CODES

```
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
<title>KCT'S PAGE</title>
<style>
.spanstyle {
        position:absolute;
        visibility:visible;
        top:-50px;
        font-size:10pt;
        font-family:Verdana;
    font-weight:bold;
        color:"#7a3bc1";
}
</style>
<script>


var x,y
var step=20
var flag=0

//Important: the space at the end of the sentence!!!
var message="WELCOME TO OUR KCT! "
message=message.split("")

var xpos=new Array()
for (i=0;i<=message.length-1;i++) {
        xpos[i]=-50
}

var ypos=new Array()
for (i=0;i<=message.length-1;i++) {
        ypos[i]=-50
}

function handlerMM(e){
        x = (document.layers) ? e.pageX : document.body.scrollLeft+event.clientX
        y = (document.layers) ? e.pageY : document.body.scrollTop+event.clientY
        flag=1
}

function makesnake() {
        if (flag==1 && document.all) {
```

```
        for (i=message.length-1; i>=1; i--) {
                        xpos[i]=xpos[i-1]+step
                        ypos[i]=ypos[i-1]
        }
                xpos[0]=x+step
                ypos[0]=y

                for (i=0; i<message.length-1; i++) {
                var thisspan = eval("span"+(i)+".style")
                thisspan.posLeft=xpos[i]
                        thisspan.posTop=ypos[i]
        }
        }

        else if (flag==1 && document.layers) {
        for (i=message.length-1; i>=1; i--) {
                        xpos[i]=xpos[i-1]+step
                        ypos[i]=ypos[i-1]
        }
                xpos[0]=x+step
                ypos[0]=y

                for (i=0; i<message.length-1; i++) {
                var thisspan = eval("document.span"+i)
                thisspan.left=xpos[i]
                        thisspan.top=ypos[i]
        }
        }
                var timer=setTimeout("makesnake()",30)
}

</script>
<script src="coolbuttons.js">

/*
Depressible DHTML buttons (By Erik Arvidsson at erik@eae.net, http://webfx.eae.net)
Permission granted to Dynamicdrive.com to include script in archive
For this and 100's more DHTML scripts, visit http://dynamicdrive.com
*/

</script>
</head>

<body  link="#0000b0" background="kct1.jpg" onLoad="makesnake()"
              style="width:100%;overflow-x:hidden;overflow-y:scroll">
<script>
```

```
<!-- Beginning of JavaScript -

for (i=0;i<=message.length-1;i++) {
   document.write("<span id='span"+i+"' class='spanstyle'>")
         document.write(message[i])
   document.write("</span>")
}

if (document.layers){
         document.captureEvents(Event.MOUSEMOVE);
}
document.onmousemove = handlerMM;

// - End of JavaScript - -->
</script>
<table border="0" width="111%">
  <tr>
    <td width="18%"><img src="kct-logo-2.gif" width="97" height="120"></td>
    <td width="82%"><img border="0" src="titlekct.gif" width="400"
height="200"></td>
  </tr>
</table>
<table border="0" width="110%">
  <tr>
    <td width="15%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="index.htm">ABOUT KCT</a></font></strong></td>
    <td width="27%"><strong><font color="#7A1B1D" face="Rondalo"
size="2"> <a href="councilmem.htm">GOVERNING
      COUNCIL</a></font></strong></td>
    <td width="22%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="infrastructure_facilities.htm">INFRA
      STRUCTURE</a></font></strong></td>
    <td width="19%"><strong>
   <font color="#0000b0" face="Rondalo" size="2">
   <a href="Courseoff.htm">
   DEPARTMENTS</a> </font></strong></td>
    <td width="24%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="contact_information.htm">CONTACT</a>   </font></strong>
</td>
  </tr>
</table>
 <hr size="3" color="#210cae" noshade>
<blockquote>
  <p align="center">
  <!-- <img src="WB01391_.gif" width="700" height="10"  align="left"> -->
  <img border="0" src="motto.gif" width="400" height="80">
```

```
             
 
       
<applet archive="AnLake.jar" code="AnLake.class" width="425" height="435" >
<param name="credits" value="Applet by Fabio Ciucci (www.anfyteam.com)">
<param name="res" value="1">
<param name="image" value="pic1.JPG">
<param name="wavspeed" value="30">
<param name="perspective" value="10">
<param name="farwaving" value="200">
<param name="wind" value="10">
<param name="windvarval" value="5">
<param name="windvarmin" value="5">
<param name="windvarmax" value="15">
<param name="halfreflect" value="YES">
<param name="overimg" value="NO">
<param name="overimgX" value="0">
<param name="overimgY" value="0">
<param name="textscroll" value="lakescr.txt">
<param name="texttype" value="zooming">
<param name="textvspace" value="0">
<param name="textminfont" value="8">
<param name="textmaxfont" value="142">
<param name="textoffset" value="240">
<param name="textspeed" value="2">
<param name="textfont" value="Helvetica">
<param name="textbold" value="NO">
<param name="textitalic" value="NO">
<param name="textsize" value="24">
<param name="textshadow" value="YES">
<param name="TextSColR" value="20">
<param name="TextSColG" value="20">
<param name="TextSColB" value="50">
<param name="TextColR" value="205">
<param name="TextColG" value="254">
<param name="TextColB" value="156">
<param name="TextJumpAmp" value="0">
<param name="TextJumpSpd" value="0">
<param name="TextSineAmp" value="0">
<param name="TextSineSpd" value="0">
<param name="TextSineAngle" value="0">
<param name="regcode" value="NO">
<param name="reglink" value="NO">
<param name="regnewframe" value="NO">
<param name="regframename" value="_blank">
```

<param name="statusmsg" value="AnLake applet">
<param name="memdelay" value="1000">
<param name="priority" value="3">
<param name="MinSYNC" value="10">
Sorry, your browser doesn't support Java(tm).
</applet>

<table border="0" width="100%">
<tr>
<td width="100%">
Kumaraguru College of Technology established by the Ramanandha Adigalar Foundation and forming part of the Sakthi Group has just completed its fifteenth year under the patronage of Dr.N.Mahalingam, Chairman, and able guidance of Prof.K.Arumugam, Correspondent.

Kumaraguru College of Technology is committed to provide quality Education and Training in
Engineering and Technology to prepare our students for life and work equipping them to contribute to the technological , economic and social development of India.The College pursues excellence in providing training to develop a sense of professional responsibility, social and cultural awareness and set the students on the path to leadership.

Equipped with the state-of-the-art infrastructural facilities and well equipped faculty, it offers under graduate and post graduate courses in Engineering and Technology.

The large number of rank holders who emerge every year in the Bharathiar University Examinations, coupled with the regular feature of several being placed in reputed organisations is ample testimony to the excellence of the insistution.
<font color="#0000B0" face="Comic Sans MS" size="4">
The insistution has taken a humble step in trying to fulfil the aspirations of national leaders in being beneficial to

```
society.           </font>
</p>
     </td>
   </tr>
   </table>

</blockquote>
           
<a href="homepage.htm">
<div class="coolBar" style="width:100px">
 <p align="center">
 <span class="coolButton" style="width:100px">
 <img src="home.gif" width="16" height="17">
 <b>Back Home</b></span>
 </div></a>

</body>
</html>
```

CODES FOR INDEX PAGE

```
<html>

<head>
<style><!--a:hover{color:123456; font-weight:bold; text-transform:uppercase; font-
size:100%; background-color:fedcba; }--></style><meta http-equiv="Content-Type"
content="text/html; charset=windows-1252">
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<meta name="ProgId" content="FrontPage.Editor.Document">
<title>WELCOME TO KCT</title>
</head>

<body background="kct1.jpg" link="#0000b0">
<table border="0" width="111%">
 <tr>
  <td width="18%"><img src="kct-logo-2.gif" width="97" height="120"></td>
  <td width="82%"><img border="0" src="titlekct.gif" width="400"
height="200"></td>
 </tr>
</table>
 <hr size="3" color="#210cae" noshade>
<blockquote>
 <p align="center">
 <!-- <img src="WB01391_.gif" width="700" height="10"  align="left"> -->
 <img border="0" src="motto.gif" width="400"
height="80">     
 <table border="1" width="100%">
  <tr>
   <td width="25%">
 <p align="left">
 <a href="index.htm"><font face="Comic Sans MS" color="#0000B0">About
KCT</font></a></td>
    <td width="25%"><font face="Comic Sans MS"
color="#0000B0">Staff</font></td>
    <td width="25%"><font face="Comic Sans MS" color="#0000B0"><a
href="Depts.htm">Departments</a></font></td>
    <td width="25%"><font face="Comic Sans MS"
color="#0000B0">Admissions</font></td>
  </tr>
  <tr>
   <td width="25%">
 <p align="left">
 <a href="contact_information.htm"><font face="Comic Sans MS"
color="#0000B0">Contact</font></a></td>
```

```
    <td width="25%"><font face="Comic Sans MS"
color="#0000B0">Laboratories</font></td>
    <td width="25%"><a href="councilmem.htm"><font face="Comic Sans MS"
color="#0000B0">Management</font></a></td>
    <td width="25%"><font face="Comic Sans MS" color="#0000B0"><a
href="services.htm">Services</a></font></td>
   </tr>
   <tr>
    <td width="25%"><a href="infra-mod.htm"><font face="Comic Sans MS"
color="#0000B0">Infrastructure</font></a></td>
    <td width="25%"><font face="Comic Sans MS" color="#0000B0"><a
href="Alumini.htm">Alumni</a></font></td>
    <td width="25%"><font face="Comic Sans MS" color="#0000B0"><a
href="libraries.htm">Libraries</a></font></td>
    <td width="25%"><font face="Comic Sans MS" color="#0000B0"><a
href="Placementcell.htm">Placement
      cell</a></font></td>
   </tr>
   <tr>
    <td width="25%"><font face="Comic Sans MS" color="#0000B0"><a
href="acheiv.htm">Achievements</a></font></td>
    <td width="25%"><font face="Comic Sans MS" color="#0000B0"><a
href="donars.htm">Donors</a></font></td>
    <td width="25%"><font face="Comic Sans MS" color="#0000B0"><a
href="Scholarship.htm">Scholarship</a></font></td>
    <td width="25%"> </td>
   </tr>
   <tr>
    <td width="25%"> </td>
    <td width="25%"> </td>
    <td width="25%"> </td>
    <td width="25%"> </td>
   </tr>
  </table>
  <p align="left">
   

 </body>

 </html>
```

SAMPLE CODES

```
<html>

<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
<title>GOVERNING COUNCIL</title>
<style>
<!--
#glowtext{
filter:glow(color=d0a20E,strength=3);
width:100%;
}
-->
</style>

<script language="JavaScript1.2">

function glowit(which){
if (document.all.glowtext[which].filters[0].strength==3)
document.all.glowtext[which].filters[0].strength=2
else
document.all.glowtext[which].filters[0].strength=3
}

function glowit2(which){
if (document.all.glowtext.filters[0].strength==3)
document.all.glowtext.filters[0].strength=2
else
document.all.glowtext.filters[0].strength=3
}

function startglowing(){
if (document.all.glowtext&&glowtext.length){
for (i=0;i<glowtext.length;i++)
eval('setInterval("glowit('+i+')",150)')
}
else if (glowtext)
setInterval("glowit2(0)",150)
}

if (document.all)
window.onload=startglowing
</script>
</head>
```

```
<body link="#0000b0" background="kct1.jpg" >

<table border="0" width="109%">
 <tr>
  <td width="21%"><big><big><big><font color="#7A1B1D" face="Rondalo"><img
border="0" src="kct-logo-2.gif" width="97"
height="120"></font></big></big></big></td>
  <td width="79%"><img border="0" src="titlekct.gif" width="400"
height="200"></td>
 </tr>
</table>
<table border="0" width="110%">
 <tr>
  <td width="15%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="index.htm">ABOUT KCT</a></font></strong></td>
  <td width="27%"><strong><font color="#7A1B1D" face="Rondalo"
size="2"> <a href="councilmem.htm">GOVERNING
    COUNCIL</a></font></strong></td>
  <td width="22%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="infrastructure_facilities.htm">INFRA
    STRUCTURE</a></font></strong></td>
  <td width="19%"><strong>
 <font color="#0000b0" face="Rondalo" size="2">
 <a href="Courseoff.htm">
 DEPARTMENTS</a> </font></strong></td>
  <td width="24%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="contact_information.htm">CONTACT</a>   </font></strong>
</td>
 </tr>
</table>
<hr size="3" color="#210cae" noshade>
<blockquote>
 <p align="left"><img border="0" src="motto.gif" width="400" height="80"></p>
 <p align="left"><span id="glowtext"><font color="#0000B0" face="Bremen Bd BT"
size="4">GOVERNING COUNCIL :</font>
 </span></p>
 <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="4">          &nbs
p;
 The Governing Council of Kumaraguru College of Technology, the highest policy
making body
 functions under the chairmanship of Dr.N.Mahalingam, B.Sc.,FIE. The below fifteen
member
 Governing Council is constituted as per the norms prescribed by the All India Council
for
```

```
Technical Education.
</font>

</p>
<table border="1" width="100%" >
 <tr>
  <td width="25%"><img border="2" src="chairman.jpg" width="153" height="176">

  </td>
  <td width="75%"><font color="#0000B0" face="Bremen Bd BT" size="3">
Chairman:</font>

    <font color="#0000B0" face="Comic Sans MS" size="3">
Message by the Chairman</font>

    <p><strong><font color="#0000B0" face="Comic Sans MS" size="3">Arutselvar
Dr.N.Mahalingam, B.Sc.,FIE</font>

    </strong>

    </p>
    <p><font color="#0000B0" face="Comic Sans MS" size="3">Industrialist,
Educationalist, Philonthropist, Statesman,
    Writer, Founder of Educational Insistutions, Managing Trustee of Ramananda
 Adigalar Foundation.</font>

    </p>
    <p><font face="Comic Sans MS" color="#0000B0" size="3"> Recipient of
Honorary Degrees of</font>

    </p>
    <p><font color="#0000B0" face="Comic Sans MS" size="3"> Doctor of Laws from
Bharathiar University(1984)</font>

    </p>
    <p><font color="#0000B0" face="Comic Sans MS" size="3"> Doctor of Science
from Anna University, Chennai(1988)</font>

    </p>
    <p><font color="#0000B0" face="Comic Sans MS" size="3"> Doctor of Science
from Tamilnadu Agricutural
 University(2000)</font>

  </td>
 </tr>
 <font color="#7A1B1D" face="Balthazar">
```

```
    <tr>
      <td width="25%"><img border="2" src="corr-dup.jpg" width="156"
 height="180"></td>
  </font>

      <td width="75%"><font color="#0000B0" face="Bremen Bd BT"
 size="3">Correspondent:</font>

       <font color="#0000B0" face="Comic Sans MS" size="3">
       <span id="glowtext"><a href="msg%20corres.htm">Message from the
 Correspondent</a></span></font>

       <p><strong><font color="#0000B0" face="Comic Sans MS"
 size="3">Prof.K.Arumugam B.E(Hons),M.S(USA) MIE
   </font>

 </strong>

       </p>
       <p><font color="#0000B0" face="Comic Sans MS" size="3">Structural Engineer
 &amp;
       Educational  Administrator, Secretary, Ramananda Adigalar
       Foundation. For the past 30 years and more he has ably assisted the
       Chairman in establishing and managing technical
  educational Insisitutions.</font>

     </td>
   </tr>
   <tr>
     <td width="25%"><img border="2" src="prin.jpg" width="156" height="161">

     </td>
     <td width="75%"><font color="#0000B0" size="3" face="Bremen Bd BT">
  Principal:</font>

      <p><font color="#0000B0" size="3" face="Comic Sans
 MS"><strong>Dr.K.K.Padmanabhan,
      B.Sc.(Engg.) M.Tech.,
  Ph.D, FIE,FI Mech E, FII
  Prod E, FIV, MISTE, MIIE.
      </strong>
      </font>

      </p>
      <p><font color="#0000B0" face="Comic Sans MS" size="3">Mechanical Engineer,
 has over 34 years of Teaching,
```

Reasearch and Administrative experience.
He has published a number of research
papers an National and International
Journals and conference proceedings.
He was conferred with Prof.M.M.Gandhi
Award for Best College Teacher
by the University of Calicut for his outstanding
academic and Research contributions.
He is also the recipient of AIMTDR
award for his outstanding Research
work.His name is included in various
biographical directories publishing names
of outstanding acheivers.

</td>
</tr>
</table>
<font color="#0000B0" size="3" face="Bremen Bd
BT"> The other members
of the Governing Council are:
<table border="1" width="98%">
<tr>
<td width="64%"> <font color="#0000B0" face="Comic Sans MS"
size="3">1.
Thiru M.Srinivasan, B.E.,M.B.A.,

<font color="#0000B0" face="Comic Sans MS"
size="3">   Managing Director,

<font color="#0000B0" face="Comic Sans MS"
size="3">   Sri Chamundeewari Sugars Ltd.,

<font color="#0000B0" face="Comic Sans MS"
size="3">   70, Ulsoor Road,

<font color="#0000B0" face="Comic Sans MS"
size="3">   Bangalore - 560 042.

```
      </font>

      </p>

    </td>
    <td width="36%"><font color="#0000B0" face="Comic Sans MS"
size="3">      
      Vice- Chairman</font>
      <p>   <img border="2" src="vicechairman.jpg" width="153"
height="159"></p>
      <p><font color="#0000B0" face="Comic Sans MS" size="3"> </font></p>

    </td>
   </tr>
   <tr>
    <td width="64%"><p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">2. Dr.B.K.KrishnarajVanavarayar, B.Com.,B.L.,  
      </font>

      </p>
  <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    Managing Director,
      </font>

      </p>
  <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    Sri Sakthi Textiles Ltd.,
      </font>

      </p>
  <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    Pollachi.
      </font>

      </p>

    </td>
    <td width="36%"><font color="#0000B0" face="Comic Sans MS" size="3">
  Member/Management</font>

    </td>
   </tr>
   <tr>
    <td width="64%">
  <p align="left"><font color="#0000B0" face="Comic Sans MS" size="3">
  3.  Thiru M.Manickam, M.Sc., M.B.A.,
```

```
           
    </font>

    </p>
<p align="left"><font color="#0000B0" face="Comic Sans MS" size="3">
    Vice Chairman &amp; Managing Director,
    </font>

    </p>
<p align="left"><font color="#0000B0" face="Comic Sans MS" size="3">
    Sakthi Sugars Ltd.,
    </font>

    </p>
<p align="left"><font color="#0000B0" face="Comic Sans MS" size="3">
    Coimbatore - 641018.
    </font>

    </p>

   </td>
   <td width="36%"><font color="#0000B0" face="Comic Sans MS" size="3">
Member/Management</font>

   </td>
  </tr>
  <tr>
   <td width="64%"><p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">4.  Dr. A.Selvakumar M.E.,Ph.D.,

            
      
    </font>

    </p>
 <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">     Joint Correspondent,
    </font>

    </p>
 <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    Kumaraguru College of Technology,
    </font>

    </p>
```

```
<p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    Coimbatore - 641 018.
    </font>

    </p>

   </td>
   <td width="36%"><font color="#0000B0" face="Comic Sans MS" size="3">
 Joint Correspondent</font>

   </td>
  </tr>
  <tr>
   <td width="64%"><p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">5.  Thavathiru Kumaragurupara
    Swamigal, </font>

    </p>
    <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    President,
    </font>

    </p>
  <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    Gowmara Madalayam,
    </font>

    </p>
  <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    Chinnavedampatti,
    </font>

    </p>
  <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    Coimbatore - 641 006.
    </font>

    </p>

   </td>
   <td width="36%"><font color="#0000B0" face="Comic Sans MS" size="3">
 Member/Management</font>

   </td>
  </tr>
  <tr>
```

```
    <td width="64%"><p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">6.  Director,

            
            
         
      </font>

      </p>
 <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    Southern Regional Office,
      </font>

      </p>
 <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    All India Council for Technical Education,
      </font>

      </p>
 <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    Ministry of Human Resource Development,
      </font>

      </p>
 <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    Department of Education,
      </font>

      </p>
 <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    S.R.O. , Shastri Bhavan,
      </font>

      </p>
 <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    Chennai - 600 006.
      </font>

      </p>

    </td>
    <td width="36%"><font color="#0000B0" face="Comic Sans MS"
size="3">Nominee of central Government</font>

    </td>
  </tr>
```

```
  <tr>
    <td width="64%"><p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">7.  Prof. N.A.Gnanam,

            
           
      </font>

      </p>
 <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    Director of Technical Education,
      </font>

      </p>
 <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    Guindy, Chennai - 600 025.
     
      </font>

      </p>

    </td>
    <td width="36%"><font color="#0000B0" face="Comic Sans MS"
size="3">Nominee of State Government</font>

    </td>
   </tr>
   <tr>
    <td width="64%"><p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">8.  Dr.S.RajaSekaran, Ph.D.,
             
      </font>

      </p>
 <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    Profeesor,
      </font>

      </p>
 <p align="left"><font color="#0000B0" face="Comic Sans MS"
size="3">    Head of
 Department (Civil),
      </font>

      </p>
```

CODES FOR DEPARTMENT

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<meta name="ProgId" content="FrontPage.Editor.Document">
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</head>

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<table border="0" width="111%">
 <tr>
  <td width="18%"><img src="kct-logo-2.gif" width="97" height="120"></td>
  <td width="82%"><img border="0" src="titlekct.gif" width="400"
height="200"></td>
 </tr>
</table>
<table border="0" width="110%">
 <tr>
  <td width="15%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="index.htm">ABOUT KCT</a></font></strong></td>
  <td width="27%"><strong><font color="#7A1B1D" face="Rondalo"
size="2"> <a href="councilmem.htm">GOVERNING
   COUNCIL</a></font></strong></td>
  <td width="22%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="infrastructure_facilities.htm">INFRA
   STRUCTURE</a></font></strong></td>
  <td width="19%"><strong>
 <font color="#0000b0" face="Rondalo" size="2">
 <a href="Courseoff.htm">
 DEPARTMENTS</a> </font></strong></td>
  <td width="24%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="contact_information.htm">CONTACT</a>   </font></strong>
</td>
 </tr>
</table>
 <hr size="3" color="#210cae" noshade>
<blockquote>
 <p align="center">
 <!-- <img src="WB01391_.gif" width="700" height="10"  align="left"> --> <font
color="#0000b0" face="Rondalo"><strong> 
                 
 
 <img border="0" src="motto.gif" width="400" height="80"> </strong></font>
```

```
 <p align="left"><font face="Bremen Bd BT" size="4" color="#0000B0">The
 following are the departments available in kct</font>
 </p>
 <p align="left"><font face="Comic Sans MS" color="#0000B0" size="4"><a
href="Sci%20&amp;%20Hum.htm">Department
 of Science and Humanities</a></font>
 </p>
 <p align="left"><font face="Comic Sans MS" color="#0000B0" size="4"><a
href="civdep.htm">Department
 of Civil Engineering</a></font>
 </p>
 <p align="left"><font face="Comic Sans MS" color="#0000B0" size="4"><a
href="Mechanical%20Dept.htm">Department
 of Mechanical Engineering</a></font>
 </p>
 <p align="left"><font face="Comic Sans MS" color="#0000B0" size="4"><a
href="EEE%20Department.htm">Department
 of Electrical and Electronics Engineering</a></font>
 </p>
 <p align="left"><font face="Comic Sans MS" color="#0000B0" size="4"><a
href="Ecedept.htm">Department
 of Electronics and Communication Engineering</a></font>
 </p>
 <p align="left"><font face="Comic Sans MS" size="4" color="#0000B0"><a
href="csedept.htm">Department
 of Computer Science and Engineering</a></font>
 </p>
 <p align="left"><font face="Comic Sans MS" size="4" color="#0000B0"><a
href="Textdepstaff.htm">Department
 of Textile Technology</a></font>
 </p>
 <p align="left"><font face="Comic Sans MS" size="4" color="#0000B0"><a
href="phyedu.htm">Department
 of Physical Education</a></font>
 </p>
 <p align="left">
 <font color="#0000b0"
face="Rondalo"><strong>    </strong></font> 

</body>

</html>
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CODES FOR ASSOCIATION WEB PAGE

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<html>

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    <td width="82%"><img border="0" src="titlekct.gif" width="400"
height="200"></td>
  </tr>
</table>
<table border="0" width="110%">
  <tr>
    <td width="15%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="index.htm">ABOUT KCT</a></font></strong></td>
    <td width="27%"><strong><font color="#7A1B1D" face="Rondalo"
size="2"> <a href="councilmem.htm">GOVERNING
      COUNCIL</a></font></strong></td>
    <td width="22%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="infrastructure_facilities.htm">INFRA
      STRUCTURE</a></font></strong></td>
    <td width="19%"><strong>
  <font color="#0000b0" face="Rondalo" size="2">
  <a href="Courseoff.htm">
  DEPARTMENTS</a> </font></strong></td>
    <td width="24%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="contact_information.htm">CONTACT</a>   </font></strong>
</td>
  </tr>
</table>
 <hr size="3" color="#210cae" noshade>
<blockquote>
  <p align="center">
  <!-- <img src="WB01391_.gif" width="700" height="10"  align="left"> -->
  <img border="0" src="motto.gif" width="400" height="80">
            
  <p align="left"><font face="Comic Sans MS" size="4"
color="#0000B0"><a href="Ass-civil.htm">Association
```

```
 Activities - Civil Department</a></font><p align="left"><font face="Comic Sans MS"
size="4" color="#0000B0"><a href="Ass-mech.htm">Association
 Activities - Mechanical Department</a></font><p align="left"><font face="Comic
Sans MS" size="4" color="#0000B0"><a href="Ass-EEE.htm">Association
 Activities - EEE Department</a></font><p align="left"><font face="Comic Sans MS"
size="4" color="#0000B0"><a href="Ass%20-%20ece.htm">Association
 Activities - ECE Department</a></font><p align="left"><font face="Comic Sans MS"
size="4" color="#0000B0"><a href="Ass%20-%20cse.htm">Association
 Activities - CSE Department</a></font><p align="left"><font face="Comic Sans MS"
size="4" color="#0000B0"><a href="Ass%20-%20Tex.htm">Association
 Activities - Textile Department</a></font><p align="left">
</body>

</html>
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CODES FOR PROJECT WEB PAGE

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<title>New Page 1</title>
</head>

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<table border="0" width="111%">
 <tr>
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  <td width="82%"><img border="0" src="titlekct.gif" width="400"
height="200"></td>
 </tr>
</table>
<table border="0" width="110%">
 <tr>
  <td width="15%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="index.htm">ABOUT KCT</a></font></strong></td>
  <td width="27%"><strong><font color="#7A1B1D" face="Rondalo"
size="2"> <a href="councilmem.htm">GOVERNING
    COUNCIL</a></font></strong></td>
  <td width="22%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="infrastructure_facilities.htm">INFRA
    STRUCTURE</a></font></strong></td>
  <td width="19%"><strong>
 <font color="#0000b0" face="Rondalo" size="2">
 <a href="Courseoff.htm">
 DEPARTMENTS</a> </font></strong></td>
  <td width="24%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="contact_information.htm">CONTACT</a>   </font></strong>
</td>
 </tr>
</table>
 <hr size="3" color="#210cae" noshade>
<blockquote>
 <p align="center">
 <!-- <img src="WB01391_.gif" width="700" height="10"  align="left"> -->
 <img border="0" src="motto.gif" width="400" height="80">
            
  <p align="left">
 <font face="Bremen Bd BT" size="4" color="#0000B0">PROJECT WORK</font>
```

```
<p align="left">
<font face="Comic Sans MS" size="4" color="#0000B0">Project work is a part of
the course work in the VII and VIII semesters. The students work in groups of
3 on a&amp;nbsp; project chosen from the fields. Most of the projects are
sponsored by the industry and jointly supervised by the personnel from the
industry and a faculty member of the department. The contribution by our
students is well recognized by the industrial sponsors.</font><p align="left"><font
face="Comic Sans MS" size="4" color="#0000B0">Some
of the project areas identified for the academic year 2000 - 2001 under each
of the department are as follows :</font><p align="left"><font face="Comic Sans MS"
size="4" color="#0000B0"><a href="civil%20proj.htm">Proposed
Project
Areas For
Civil Students</a></font><p align="left"><font face="Comic Sans MS" size="4"
color="#0000B0"><a href="Mechl%20proj.htm">Proposed
Project
Areas For Mechanical Students</a></font><p align="left"><font face="Comic Sans
MS" size="4" color="#0000B0"><a href="EEE%20proj.htm">Proposed
Project
Areas For EEE Students</a></font><p align="left"><font face="Comic Sans MS"
size="4" color="#0000B0"><a href="ECE%20proj.htm">Proposed
Project
Areas For ECE Students</a></font><p align="left"><font face="Comic Sans MS"
size="4" color="#0000B0"><a href="CSE%20proj.htm">Proposed
Project
Areas For CSE Students</a></font><p align="left"><font face="Comic Sans MS"
size="4" color="#0000B0"><a href="TEX%20proj.htm">Proposed
Project
Areas For Textile Students</a></font><p align="left">&amp;nbsp;<p align="left"><font
face="Comic Sans MS" size="4" color="#0000B0">&amp;nbsp;&amp;nbsp;&amp;nbsp;
</font>


</body>

</html>
```

CODES FOR PROJECT WEB PAGE

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<head>
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<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<meta name="ProgId" content="FrontPage.Editor.Document">
<title>Services to students</title>
</head>

<body background="kct1.jpg" link="0000b0">
<table border="0" width="111%">
 <tr>
  <td width="18%"><img src="kct-logo-2.gif" width="97" height="120"></td>
  <td width="82%"><img border="0" src="titlekct.gif" width="400"
height="200"></td>
 </tr>
</table>
<table border="0" width="110%">
 <tr>
  <td width="15%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="index.htm">ABOUT KCT</a></font></strong></td>
  <td width="27%"><strong><font color="#7A1B1D" face="Rondalo"
size="2"> <a href="councilmem.htm">GOVERNING
    COUNCIL</a></font></strong></td>
  <td width="22%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="infrastructure_facilities.htm">INFRA
    STRUCTURE</a></font></strong></td>
  <td width="19%"><strong>
 <font color="#0000b0" face="Rondalo" size="2">
 <a href="Courseoff.htm">
 DEPARTMENTS</a> </font></strong></td>
  <td width="24%"><strong><font color="#7A1B1D" face="Rondalo" size="2"><a
href="contact_information.htm">CONTACT</a>   </font></strong>
</td>
 </tr>
</table>
 <hr size="3" color="#210cae" noshade>
<blockquote>
 <p align="center">
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 <img border="0" src="motto.gif" width="400" height="80">

            
 
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<p><font face="Comic Sans MS" size="4" color="#0000B0"><a
href="Projects.htm">Project work</a></font></p>
<p><font face="Comic Sans MS" size="4" color="#0000B0"><a
href="Assoc.htm">Association Activities</a></font></p>
<p><font face="Comic Sans MS" size="4" color="#0000B0"><a
href="Councelling%20Committee.htm">Councelling Committee</a></font></p>
<p><font face="Comic Sans MS" size="4" color="#0000B0"><a
href="indvisits.htm">Industrial visits</a></font></p>
<p><font face="Comic Sans MS" size="4" color="#0000B0"><a
href="careerguid.htm">Career Guidance Programme</a></font></p>
<p><font face="Comic Sans MS" size="4" color="#0000B0"><a
href="future_plans%20.htm">Future Plans</a></font></p>
  <p><font face="Comic Sans MS" size="4" color="#0000B0"><a
href="ETC.htm">Educational Technology
  Center</a></font></p>
<p> </p>

</body>

</html>
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