K.V.G. COLLEGE OF ENGINEERING SULLIA, D.K. - 574 327

(AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



LABORATORY CERTIFICATE

This is to certify that MR Subhash Gowda S

Reg. No.**4KV19CS076** has satisfactorily completed the course of experiments in **WEB TECHNOLOGY AND IT'S APPLICATION** prescribed by the Visvesvaraya Technological University for the **VI SEM B.E** Course during the year **2021-2022**

Sessional Marks	
Max. Marks: 20	Min. Marks:

Signature of Staff

Signature of HOD

K.V.G. COLLEGE OF ENGINEERING, SULLIA

PARTICULARS OF THE EXPERIMENTS PERFORMED

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1. WRITE A JAVASCRIPT TO DESGIN A SIMPLE CALCULATOR TO PERFORM FOLLOWING OPERATIONS:- ADDITION, SUBTRACTIOB, MULTIPLICATION, DIVISION

```
<html>
<title>CALCULATOR</title>
<style>
input{ width:100%; padding:30px; } input:hover{background: silver;}
</style>
<body>
<div align="center">
<h2>SIMPLE CALCULATOR</h2>
<script type="text/javascript">
a = ['7','8','9','+','4','5','6','-','1','2','3','*','c','0','=','/']
z = ' <input type="button" value="'
document.write('<form name="cal"> <input type="text"
                           name="get">');
for (var i = 0; i < 16; i++) {
if(i==12){document.write('<input type="reset" value="c" >'); continue;}
if(i==14){document.write('<input type="button" value="="
onclick="cal.get.value=eval(cal.get.value)">');continue;}
if(i=3||i=7||i=11){document.write(z+a[i]+''' onclick="cal.get.value +=\''+a[i]+'\'''>
rowspan="2">');continue;}
else document.write(z+a[i]+" onclick="cal.get.value +=\"+a[i]+'\">');
}
doument.write('</form></div>');
</script>
</body>
</html>
```

OUTPUT:

SIMPLE CALCULATOR



2.WRITE A JAVASCRIPT THAT CALCULATES THE SQUARES AND CUBES OF THE NUMBERS FROM 0 TO 10 AND OUTPUTS HTML TEXT THAT DISPLAYS RESULTING VALUES IN AN HTML TABLE FORMAT.

```
<html>
<head><title> Squares and Cubes </title></head>
<script >
document.write('<b>SQUARES AND CUBES FROM 0 TO 10</b>');
document.write('');
document.write('');
document.write(' Number Square Cube ');
for(var i=1;i<=10;i++)
document.write("<tr>"+i+""+i*i+""+i*i+""+i*i*i+"");
document.write("");
</script>
</html>
```

OUTPUT

SQUARES AND CUBES FROM 0 TO 10

Number	Square	Cube
1	1	1
2	4	8
3	9	27
4	16	64
5	25	125
6	36	216
7	49	343
8	64	512
9	81	729
10	100	1000

3. Write a JavaScript code that displays text "TEXT-GROWING" with increasing font size in the interval of 100ms in RED COLOR, when the font size reaches 50pt it displays "TEXT SHRINKING" in BLUE color. Then the font size decreases to 5pt.

```
<!DOCTYPE html>
<html>
<body>
<div id="h">
</div>
<script>
var v = 0, f = 1,t="TEXT-GROWING", color;
function a(){
if(f==1) v+=5,color="red"; else v-=5,color="blue";
:"+color+"\"><b>"+t+"</b></h1>"; if(v==50)
           f = 0,t = "TEXT-SHRINKING";
if(v==5)
           f = 1,t = "TEXT-GROWING";
c();
function c(){ setTimeout(a,300); }
c();
</script>
</body>
</html>
```

OUTPUT:

TEXT-GROWING

TEXT-SHRINKING

4.Develop and demonstrate a HTML5 file that includes JavaScript script that uses functions for the following problems: a. Parameter: A string b. Output: The position in the string of the left-most vowel c. Parameter: A number d. Output: The number with its digits in the reverse order

```
var a = prompt("Enter The Query"),b = parseInt(a),z=0;
if(b) {
    while(b>0)
    var r= b% 10, z= z*10+r, b = Math.floor(b/10);
    document.write("Entered Query: "+ a +"<br/>
    else {
        a = a.search(/[aeiouAEIOU]/);
        document.write("The First Occurence Of Vowel is at: "+ (a+1));
    }
    </script>
```

OUTPUT



Entered Query: 12345

Given Number In Reverse Order: 54321



5.Design an XML document to store information about a student in an engineering college affiliated to VTU. The information must include USN, Name, and Name of the College, Branch, Year of Joining, and email id. Make up sample data for 3 students. Create a CSS style sheet and use it to display the document.

```
<?xml-stylesheet type="text/css" href="style.css"?>
<!DOCTYPE HTML>
<html>
<head>
  <h1> STUDENTS DESCRIPTION </h1>
</head>
<students>
  <student>
    <USN>USN: 4KV19CS051</USN>
    <name>NAME : Nihar Hegde</name>
    <college>COLLEGE: KVG College Of Engineering</college>
    <branch>BRANCH : Computer Science and Engineering/branch>
    <year>YEAR : 2022
    <e-mail>E-Mail: abc@gmail.com</e-mail>
  </student>
  <student>
    <USN>USN: 4KV19CS073</USN>
    <name>NAME : Somanna AS</name>
    <college>COLLEGE: KVG College Of Engineering</college>
    <branch>BRANCH : Computer Science and Engineering/branch>
    <year>YEAR : 2022
    <e-mail>E-Mail: xyz@gmail.com</e-mail>
  </student>
  <student>
    <USN>USN: 4KV19CS066</USN>
    <name>NAME : Sai Karthik K</name>
    <college>COLLEGE: KVG College Of Engineering</college>
    <branch>BRANCH : Computer Science and Engineering/branch>
    <year>YEAR : 2022
    <e-mail>E-Mail: pqr@gmail.com</e-mail>
  </student>
</students>
</html>
```

```
CSS file:
student {
    display: block;
    margin-top: 10px;
    color: Navy;
  }
  USN {
    display: block;
    margin-left: 10px;
    font-size: 14pt;
    color: Red;
  }
  name {
    display: block;
    margin-left: 20px;
    font-size: 14pt;
    color: Blue;
  }
  college {
    display: block;
    margin-left: 20px;
    font-size: 12pt;
    color: Maroon;
  }
  branch {
    display: block;
    margin-left: 20px;
    font-size: 12pt;
    color: Purple;
  }
  year {
    display: block;
    margin-left: 20px;
    font-size: 14pt;
```

```
color: Green;
}
e-mail {
  display: block;
  margin-left: 20px;
  font-size: 12pt;
  color: Blue;
}
```

OUTPUT:

STUDENTS DESCRIPTION

USN: 4KV19CS051

NAME: Nihar Hegde

COLLEGE: KVG College Of Engineering BRANCH: Computer Science and Engineering

YEAR: 2022

E-Mail: abc@gmail.com

USN: 4KV19CS073

NAME: Somanna AS

COLLEGE: KVG College Of Engineering BRANCH: Computer Science and Engineering

YEAR: 2022

E-Mail: xyz@gmail.com

USN: 4KV19CS066

NAME: Sai Karthik K

COLLEGE: KVG College Of Engineering BRANCH: Computer Science and Engineering

YEAR: 2022

E-Mail: pqr@gmail.com

6. Write a PHP program to keep track of the number of visitors visiting the web page and to display this count of visitors, with proper headings.

```
<?php
    echo "<h1> REFRESH PAGE </h1>";
    $file = 'count.txt';
    $c = file_get_contents($file);
    file_put_contents($file, $c+1);
    echo "The number of users visited: ".$c;
?>
```

OUTPUT:

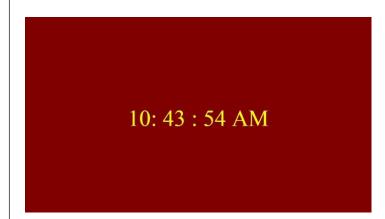
REFRESH PAGE

The number of users visited: 3

7. Write a PHP program to display a digital clock which displays the current time of the server.

```
<head>
<meta http-equiv="refresh" content="1"/>
<style>
p {
color:yellow;
font-size:90px;
position:absolute;
top: 40%;
left: 50%;
transform: translate(-50%, -50%);
}
body {
background-color:maroon;
}
</style>
<?php echo date(" h: i : s A");?> 
</head>
```

OUTPUT:



8a. Write the PHP programs to do the following: a. Implement simple calculator operations

```
<html>
<head>
<style>
table, td, th {
border: 1px solid black;
width: 35%;
text-align: center;
background-color: lightgray;
}
table { margin: auto; }
input,p { text-align:right; }
</style>
</head>
<body>
<form method="post" action="prog8a.php">
<caption><h2> SIMPLE CALCULATOR </h2></caption>
First Number:<input type="text" name="num1" />
<button type="submit" name="submit" value="calculate">Calculate
Second Number:input type="text" name="num2"/>
</form>
      <?php
      if(isset($_POST['submit'])) // it checks if the input submit is filled
      {
            num1 = POST['num1'];
            $num2 = $_POST['num2']; if(is_numeric($num1)
            and is_numeric($num2) )
```

```
echo "ddition :".($num1+$num2)."";

echo "Subtraction :".($num1-$num2)."";

echo "dd>".($num1*$num2)."";

echo "Division :".($num1/$num2)."

echo "".($num1/$num2)."

echo "".($num1/$num2)."

echo "".($num1/$num2)."

p".($num1/$num2)."

echo "".($num1/$num2)."

p".($num1/$num2)."

p".($num1/$num2)."

p".($num1/$num2)."

echo "".($num1/$num2)."

p".($num1/$num2)."

p".($num1/$num2)."

echo "".($num1/$num2)."

echo "".($num1/$num2)."

echo "".($num1/$num2)."

p".($num1/$num2)."

echo "".($num1/$num2)."

echo "".($num1/$num2)."

p".($num1/$num2)."

echo "".($num1/$num2)."

p".($num1/$num2)."

echo "".($num1/$num2)."

echo "<t
```

OUTPUT:

SIMPLE CALCULATOR

First Number:	21	Calculate
Second Number:	07	Calculate
Addition :	28	
Subtraction :	14	
Multiplication :	147	
Division:	3	

8 b.Find the transpose of a matrix. c. Multiplication of two matrices. d. Addition of two matrices. <!DOCTYPE html> <html> <body> <?php function pr(\$a){ foreach (\$a as \$b) { foreach (\$b as \$c) { echo \$c ." "; }echo "
"; }echo "
"; } a = [[1,2,3],[4,5,6],[7,8,9]];b = [[7,8,9],[4,5,6],[1,2,3]];echo "First Matrix :
"; pr(\$a); echo "Second Matrix :
"; pr(\$b); for (\$i=0; \$i < 3; \$i++)for (\$i=0;\$i<3;\$i++)c[i][i] = a[i][i];echo "Transpose Of First Matrix :
-"; pr(\$c); for (\$i=0; \$i < 3; \$i++)for (\$j=0; \$j < 3; \$j++)c[i][j] = a[i][j] + b[i][j];echo "Addition Of Two Matrix :
"; pr(\$c); for (\$i=0; \$i < 3; \$i++)for $($j=0; $j < 3; $j++){$ c[i][i] = 0;for (k=0; k<3; k++) c[i][i] += a[i][k] * b[k][i];} echo "Multiplication Of Two Matrix :
"; pr(\$c); ?> </body> </html>

OUTPUT:

First Matrix:

123

456

789

Second Matrix :

789

456

123

Transpose Of First Matrix:

147

258

369

Addition Of Two Matrix:

8 10 12

8 10 12

8 10 12

Multiplication Of Two Matrix:

18 24 30

54 69 84

90 114 138

- 9. Write a PHP program named states that declares a variable states with value "Mississippi Alabama Texas Massachusetts Kansas". write a PHP program that does the following:
- a. Search for a word in variable states that ends in xas. Store this word in element 0 of a list named states List.
- b. Search for a word in states that begins with k and ends in s. Perform a case insensitive comparison. [Note: Passing re a second parameter to method compile performs a case insensitive comparison.] Store this word in element1 of states List.
- c. Search for a word in states that begins with M and ends in s. Store this word in element 2 of the list.
- d. Search for a word in states that ends in a. Store this word in element 3 of the list.

```
<html>
<body>
<?php
$states = "Mississippi Alabama Texas Massachusetts Kansas";
$b = explode(' ',$states);
echo "<br/>br>ORIGINAL ARRAY :<br/>';
foreach (\$b as \$i => \$value)
echo "states[$i] = $value < br>";
foreach ($b as $c)
{
n = strlen(c);
if(c|n-1|=='s' \&\& c|n-2|=='a' \&\& c|n-3|=='x')
                                                         d[0] = c;
if(c[0]=='K' && c[n-1]=='s')
                                   d[1] = c;
if(c[0]=='M' && c[n-1]=='s')
                                   d[2] = c;
if(\$c[\$n-1]=='a')\$d[3]=\$c;
echo "<br/>br>RESULTANT ARRAY :<br/>';
for (=0; i < count(d); i++)
echo "statesList[\$i] = \$d[\$i] < br>";
?>
</body>
</html>
```

OUTPUT:

ORIGINAL ARRAY:

states[0] = Mississippi

states[1] = Alabama

states[2] = Texas

states[3] = Massachusetts

states[4] = Kansas

RESULTANT ARRAY:

statesList[0] = Texas

statesList[1] = Kansas

statesList[2] = Massachusetts

statesList[3] = Alabama

10. WRITE A PHP PROGRAM TO STORE THE STUDENT RECORDS WHICH ARE STORED IN THE DATABSE USING SELECTION SORT

```
<html>
<body>
  <style>
    table,
    td,
    th {
       border: 1px solid black;
       width: 33%;
       text-align: center;
       border-collapse: collapse;
       background-color: lightblue;
     }
    table {
       margin: auto;
     }
  </style>
  <?php
     $servername = "localhost";
     $username = "root";
     $password = "";
     $dbname = "web";
    $a=[];
     $conn = mysqli_connect($servername, $username, $password, $dbname);
    if (!$conn)
    die("Connection failed: " . $conn->connect_error);
```

```
$crt="create table student1(usn varchar(20),name varchar(20),address varchar(20))";
    $result0= mysqli_query($conn,$crt);
    $crt1="INSERT INTO `student1`(`usn`, `name`, `address`) VALUES ('4KV19CS051', 'Nihar
Hegde', 'Panja')";
    $crt2="INSERT INTO `student1`(`usn`, `name`, `address`) VALUES ('4KV19CS073', 'Somanna
AS','Coorg')";
    $crt3="INSERT INTO `student1`(`usn`, `name`, `address`) VALUES ('4KV19CS066','Sai
Karthik K', 'Hassan')";
    $result1= mysqli_query($conn,$crt1);
    $result2= mysqli_query($conn,$crt2);
    $result3= mysqli_query($conn,$crt3);
    $sql = "SELECT * FROM student1";
    $result = mysqli_query($conn,$sql);
    echo "<br/>tr>";
    echo "<center> BEFORE SORTING </center>"; echo "";
    echo "";
    echo "USNNAMEAddress";
    if ($result->num_rows> 0)
      while($row = $result->fetch_assoc())
        echo "";
        echo "". $row["usn"]."";
        echo "". $row["name"]."";
        echo "". $row["address"]."";
        array_push($a,$row["usn"]);
      }
    }
    else
      echo "Table is Empty";
      echo "";
```

```
$n=count($a);
$b=$a;
for($i=0;$i<($n-1);$i++)
{
  $pos= $i;
  for (\$j = \$i + 1; \$j < \$n; \$j++)
    if (a[pos] > a[j])
       $pos= $j;
  if ( $pos!= $i )
    $temp=$a[$i];
     a[i] = a[pos];
    $a[$pos] = $temp;
  }
}
$c=[];
$d=[];
$result = $conn->query($sql);
if ($result->num_rows> 0)
  while($row = $result->fetch_assoc())
    for($i=0;$i<$n;$i++)
       if($row["usn"]== $a[$i])
         $c[$i]=$row["name"];
         $d[$i]=$row["address"];
       }
```

```
echo "<br/>tr>";
   echo "<center> AFTER SORTING <center>";
   echo "";
   echo "";
   echo "USNNAMEAddress";
   for($i=0;$i<$n;$i++)
   {
    echo "";
    echo "". $a[$i]."";
    echo "". $c[$i]."";
    echo "". $d[$i]."";
   echo "";
   $conn->close();
?>
</body>
</html>
```

OUTPUT:

BEFORE SORTING

USN	NAME	Address
4KV19CS051	Nihar Hegde	Panja
4KV19CS073	Somanna AS	Coorg
4KV19CS066	Sai Karthik K	Hassan

AFTER SORTING

USN	NAME	Address
4KV19CS051	Nihar Hegde	Panja
4KV19CS066	Sai Karthik K	Hassan
4KV19CS073	Somanna AS	Coorg



VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI - 590018



A MINI PROJECT REPORT

On

MUTUAL FUND MANAGEMENT SYSTEM

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

BACHELOR ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING

BY

SUBHASH GOWDA S 4KV19CS076



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING K.V.G. COLLEGE OF ENGINEERING SULLIA, D.K. - 574 327 2021-2022

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INTRODUCTION

Mutual fund is an investment company that pools money from shareholders and invests in a variety of securities, such as stocks, bonds and money market instruments. Most open-end Mutual funds stand ready to buy back (redeem) its shares at their current net asset value, which depends on the total market value of the fund's investment portfolio at the time of redemption. Most open-end Mutual funds continuously offer new shares to investors.

Also known as an open-end investment company, to differentiate it from a closed-end investment company. Mutual funds invest pooled cash of many investors to meet the fund's stated investment objective. Mutual funds stand ready to sell and redeem their shares at any time at the fund's current net asset value: total fund assets divided by shares outstanding.

REQUIREMENTS SPECIFICATION

System requirements are the configuration that a system have in order for a hardware or software application to run smoothly and efficiently. Failure to meet these requirements can result in installation problems or performance problems or performance problems. The former may prevent a device or application from getting installed, whereas the latter may cause a product to malfunction or perform below expectation or even to hang or crash.

2.1 Functional requirements

A description of the facility or feature required. Functional requirements deal with what the system should do or provide for users. They include description of the required functions, outlines associated reports or Timetable Management System, and details of data to be held in the system.

2.2 HARDWARE AND SOFTWARE REQUIREMENTS

2.1.1 HARDWARE REQUIREMENTS

CPU: Pentium IV 2.4 GHz or above

Memory (Primary):512MB,1 GB OR above

Hard Disk: 40 GB,80 GB or above

Monitor:15 VGA color

2.2 SOFTWARE REQUIREMENTS

Operating System : Windows

Frontend : HTML,CSS,JavaScript

Backend : PHP,MYSQL

Server and Back end : Apache, phpMyAdmin

LANGUAGES USED

Apache Web Server: Apache is a freely available Web server that is distributed under an "Open source "license. Apache features configurable error messages, DBMS-based—authentication databases, and content negotiation. It is also supported by several graphical user interfaces (GUI). It supports password authentication and digital certificate authentication. Because the source code is freely available, anyone can adapt the server for specific needs, and there is a large public library of Apache add-ons.

PHP

PHP is Hypertext Pre-processor is a general-purpose programming language originally designed for web development.

HTML

Hypertext Markup Language is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript.

CSS

Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

JavaScript

Java script, often abbreviated as JS, high-level, interpreted scripting language that conform to the ECMAScript specification. Javasacript has curly-bracket syntax, dynamic, dynamic typing, prototype-based object-orientation, and first-class functions.

MYSQL

MySQL is an open-source relational database management system. It is based on the structure query language (SQL), which is used for adding, removing, and modifying information in the database. Standard SQL commands, such as ADD, DROP, INSERT, and UPDATE used in MySQL MySQL used

for a variety of applications but it usually used on Web servers. A website that uses MySQL may include Web pages that access information from a database. 2.1 Software Tools Use

VS CODE

Visual Studio Code is a lightweight but powerful source code editor which runs on your desktop and is available for Windows, macOS and Linux. It comes with built-in support for JavaScript, TypeScript and Node.js and has a rich ecosystem of extensions for other languages (such as C++, C#, Java, Python, PHP, Go) and runtimes (such as .NET and Unity).

SNAPSHOT



Fig 4.1 FRONT PAGE



Fig 4.2 REGISTER PAGE

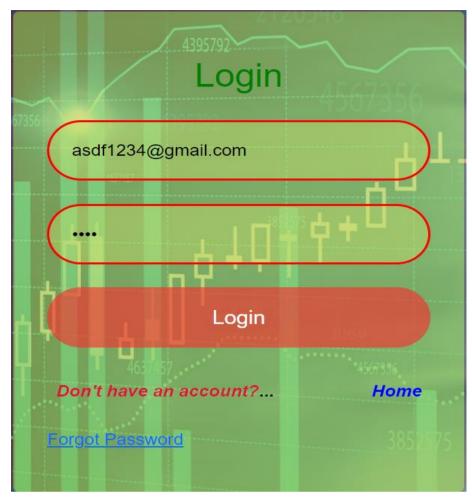


Fig 4.3 LOGIN PAGE



Welcome Subash

Details

do KYC

Logout

Fig 4.4 MYACCOUNT PAGE

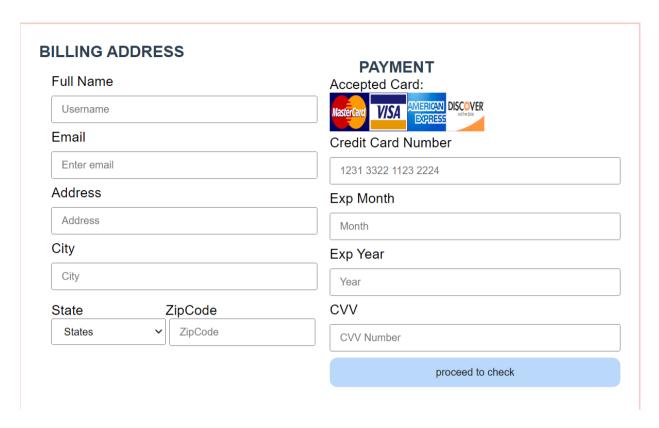


Fig 4.5 KYC PAGE



Fig 4.5 DETAILS PAGE

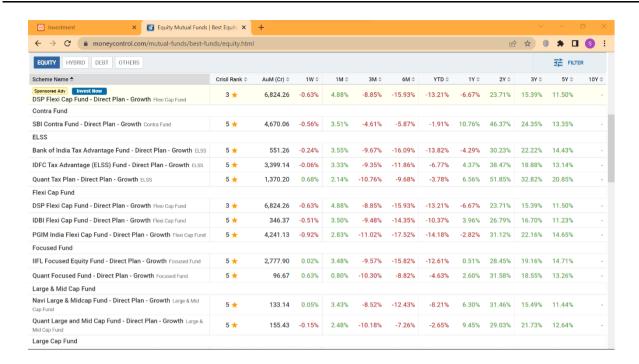


Fig 4.6 LIST OF MUTUAL FUNDS

CONCLUSION FUTURE ENHANCEMENT

CONCLUSION

Every investment is inherently connected with risk. Its existence and diversity among various types of investments is one of the driving forces behind the development of the capital market. The risk has also caused emergence and development of alternative investments. Flourishment of this segment of the market has also been influenced by periodical financial crises, which have been the driving force behind the search for investments that would allow investment portfolio diversification and would provide opportunities for profiting, even during price declines on the market. Alternative investments constitute an effective tool for risk diversification, however, they are not suitable for all investors.

FUTURE ENHANCEMENT

Mutual Fund Management System Project aims developing a system to automate the Mutual Fund Management System. The system would provide facility for display the profit/loss statement of the MF detail for the particular user/client folio. Our system is also compare with Mutual Fund daily price. Admin can edit information in the database which will be retrieved automatically during the dynamic generation of webpage and also view the client information.

In Mutual Fund Management System some work can be done manually but some cannot be done because it is time consuming and cumbersome to do that work. This system works ASP.Net, but some data entry is necessary which cannot be avoided.

REFERENCES

[1] Randy Connolly, Ricardo Hoar, "Fundamentals of Web Development, 1stEdition, Pearson Education India. (ISBN:978-9332575271.