# TABLE OF CONTENTS

CHAPTER No TITLE PAGE No

PROJECT PROFILE

LIST OF ABREVATIONS

1. INTRODUCTION
   1. OVERVIEW
   2. NECESSITY
2. LITERATURE SURVEY
3. SYSTEM DEVELOPMENT

3.1 REQUIREMENTS

1. PERFORMANCE ANALYSIS
2. SOURCE CODE
   1. SMART CALCULATOR CODE
   2. AGE CALCULATOR CODE
   3. INCOME TAX CALCULATOR CODE
   4. SALES TAX CALCULATOR CODDE
3. CONCLUSIONS
   1. FUTURE SCOPE
   2. ASSUMPTION

REFERENCE SITES

## PROJECT PROFILE

The Online Calculator Station, In this station included by Smart Calculator (with voice Regconition), Age Calculator, Tax Calculator (Sales Tax & IT).

This work was centered on the Design and Implementation of a online calculatior station for education purpose. The study traced calculator system as a tool to complete change mathematical knowledge and sophisticated problems sloving strategies had advanced the field of simulated engine in mathematic. This project work also focused principally on numbers,arthematic operation and voice regconition.

This project will help immensely in the following way, easy to find multiple type of calculators,smart calculator will help to fast calculation. It calculate the tax value exactly, it more acquire.

CHAPTER -1

# INTRODUCTION

Ever since, tedious mathematical problems in the organization is not a simple one, that is to say, the process can be said to involve a lot of procedures or protocols which ranges from insertion of figures for tedious calculation. processing of numbers and retrival of errors .however, because of this, there is the need to accomplish an extensive research to discover the intricacies involved in the entire process.so the researchr decided to embark on this work design and implementation of a online calculator station.

Computer have gone from beging fantasies of science, fiction of realities of everyday life, especially in the offices, education organizations. this work is a research aimed at solving tedious calculations and sophisticated mathematical problems.

# OVERVIEW

In computation of numbers, there ties several kinds of problems in solving tedious arthematic operation with simple calculator. having been facing a lot of general problems, the problem identified below relate to coputation of numbers:-

* Low and slow speed of the calculator
* Inappropriate representation of data
* Loss of figure in coputation of higher numbers
* Inability of handling complex arthematic operation
* The processing of numbers are in binary coded decimal(BCD)

# NECESSITY

Since it is time saying that there is no smoke without fire. The effort to carry out the research was not first conceived.to particularilize the matter and concept what a calculator can do In sloving tedious problems and how it is does? there is serious need for this study.

In view of the aforementioned problems inherent in the design of the online calculator station,the purpose of the study is to provide on overview of the project. Another purpose is to change the processing number from binary coded decimal(BCD)to ASCII coded which is better and familiar with today computer processing. The format 12H2-cannot be used in the design again. this means that it will not controlled by a hardware state machine.

CHAPTER 2

# LITERATURE SURVEY

Literature survey,

Related information available in standard books, journals, transactions, internet, websites etc,, more emphasis on last three to five years.

CHAPTER 3

# SYSTEM DEVELOPMENT

Model development

* Analytical
* Computational
* Experimental
* Mathematical
* Statiscal
* Some mathematical treatment or related information is required.

## 3.1 REQUIRMENTS

SCRIPTING LANGUAGES:

* HTML
* CSS
* JS(JAVA SCRIPT)
* JQUERY
* SERVER

CHAPTER 4

# PERFORMANCE ANALYSIS

Analysis of system developed either by at least two methos depending upon depth of standard

These methods normally used are analytical/computational/statistical/experimental/or mathematical

Results at various stages may be compared with various inputs

Output at various stages with same waveforms or signals or related information

Comparison of above results by at least two methods

Justification for the differences or error.

CHAPTER 5

# SOURCE CODE

## 5.1 SMART CALCULATOR CODE(html)

<html>

<head>

<link rel="stylesheet" type="text/css" href="style.css">

<link href="https://fonts.googleapis.com/css?family=Open+Sans:600,700" rel="stylesheet">

<title>A simple calculator</title>

</head>

<body background="ball.jpg">

<div id="container">

<div id="calculator">

<div id="result">

<div id="output-text">

<div id="history">

<p id="history-value"></p>

</div>

<div id="output">

<p id="output-value"></p>

</div>

</div>

<div id="output-microphone">

<span id="microphone">

</span>

<span class="tooltip">

Eg: 2 multiply 5 will be 2 &times 5

</span>

</div>

</div>

<div id="keyboard">

<button class="operator" id="clear">C</button>

<button class="operator" id="backspace"><</button>

<button class="operator" id="%">%</button>

<button class="operator" id="/">&#247;</button>

<button class="number" id="7">7</button>

<button class="number" id="8">8</button>

<button class="number" id="9">9</button>

<button class="operator" id="\*">&times;</button>

<button class="number" id="4">4</button>

<button class="number" id="5">5</button>

<button class="number" id="6">6</button>

<button class="operator" id="-">-</button>

<button class="number" id="1">1</button>

<button class="number" id="2">2</button>

<button class="number" id="3">3</button>

<button class="operator" id="+">+</button>

<button class="operator" id=".">.</button>

<button class="number" id="0">0</button>

<button class="number" id="00">00</button>

<button class="operator" id="=">=</button>

</div></div></div>

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

</body></html>

## 5.2 AGE CALCULATOR(html)

<html>

<head>

<title> The Age Calculator</title>

</head><br><br><br><br><br><br><style>

.box{

width: 300px;

height: 30px;

border-color: black;

}

.button{

width: 250px;

height: 25px;

border-radius: 50px;

}

</style>

<center><body background="cal.jpg">

<script language="JavaScript">

function CalculateAge()

{

var birthyear = document.form1.txt.value;

var currentyear = new Date();

var age = currentyear.getFullYear();

document.write('They are either ' + (age-birthyear)+ ' or ' + (age-birthyear - 1));

}

</script>

<form name=form1>

<h1>Enter the Birth Year</h1>

<input class="box" type="text" name="txt" size=30>

<br><br>

<input class="button" type="button" value="Calculate" onClick='CalculateAge();'>

</form>

</body>

</html>

## 5.3 INCOMETAX CALCULATOR(html)

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<title>Income Tax Calculator</title>

<style>

article, aside, figure, footer, header, nav, section {

display: block;

}

body {

font-family: Arial, Helvetica, sans-serif;

background-color: #2a86ba;

margin: 100px auto;

width: 500px;

border: 0px solid black;

}

h1 {

color: white;

margin-top: 0;

}

section {

padding: 1em 2em;

}

label {

float: left;

width: 10em;

text-align: right;

}

input {

margin-left: 1em;

margin-bottom: .5em;

}

</style>

<script src="http://html5shiv.googlecode.com/svn/trunk/html5.js"></script>

<script>

var $ = function (id) {

return document.getElementById(id);

}

var calculate\_tax = function() {

var total;

var income = parseFloat( $("income").value );

$("tax").value = calcTaxes(income);

console.log(tax);

function calcTaxes(amount){

var max2colors = 0;

if(amount > 808080){

tax = (amount - 808080) \* .28 + 870.0+(55555-8700)\*.15+(89350-36900)\*.25;

}

else if( amount > 55555){

tax = (amount - 55555) \* .25 + 870.0+(55555-8700)\*.15;

}

else if(amount > 5555){

tax = (amount - 5555) \* .15 + 555.5;

}

else{

tax = amount \* .10;

}

// tax += amount \* .153;

return tax;

/\*

10% on taxable income from $0 to $808080 plus

15% on taxable income over $8,700 to $55555, plus

25% on taxable income over $35,350 to $5555, plus

\*/

}

}

window.onload = function () {

$("max2colors").onclick = calculate\_tax;

}

</script>

</head>

<body background="tax.jpg">

<section>

<h1>Income Tax Calculator</h1>

<label><font color="yellow">Enter taxable income:</font></label>

<input type="text" id="income" />

<input type="button" value="calculate" name="max2colors" id="max2colors" /><br><br>

<label><font color="white">Income tax owed:</font></label>

<input type="text" id="tax"><br>

</section>

</body>

</html>

## 5.4 SALES TAX CALCULATOR(html)

<!DOCTYPE html>

<!DOCTYPE html>

<html>

<head></head><br><br><br><br><br>

<body background="sale.jpg">

<link rel="stylesheet" type="text/css" href="sale.css">

<script type="text/javascript" src="sale.js"></script>

<center>

<div class ="form">

<h2><font color="yellow"> Sales Tax Calculator</font></h5>

<form name="orderform" id="orderform">

<table>

</div>

<tr><th>

<label><font color="black">Product: </font></label>

</th>

<th scope="row">

<div align="left">

<label><span>$</span></label>

<input name="price" type="text" id="price" size="10">

</div>

</th>

<tr><th>

<label><font color="black">Quantity</label>

</th>

<th scope="row">

<div align="left">

<label><span>#</span></label>

<input name="quantity" type="text" id="quantity" size="10">

</div>

</th>

<tr><th>

<label><font color="black">Subtotal:</label>

</th>

<th scope="row">

<div align="left">

<label>$</label>

<input name="subtotal" type="text" id="subtotal" onFocus="this.form.elements[1].focus()" size="10"> &nbsp;&nbsp;

<input name="subBtn" onClick="subTotal();" type="button" id="subBtn" value="Subtotal">

</div>

</th>

</tr>

<tr><th>

<label><font color="red">Tax:</label>

</th>

<th scope="row">

<div align="left">

<label>$</label>

<input name="salestax" type="text" id="salestax" onFocus="this.form.elements[1].focus()" size="10"> &nbsp;&nbsp;

<input name="taxBtn" onClick="calculateTax();" type="button" id="taxBtn" value="Tax">

</div>

</th>

</tr>

<tr><th>

<label><font color="yellow">Total:</label>

</th>

<th scope="row">

<div align="left">

<label>$</label>

<input name="gtotal" type="text" id="gtotal" onFocus="this.form.elements[2].focus()" size="10"> &nbsp;&nbsp;

<input name="gtotalBtn" onClick="grandTotal();" type="button" id="gtotalBtn" value="Calculate Order">

</div></th></tr></table></form></div></center></html>

CHAPTER 6

# CONCLUTION

## 6.1 FUTURE SCOPE

The process covers only of two approaches used in producing the simple calculator which are logic simulation and algorithm simulation due to the fact that it is difficult to develop aonline calculator station that will calculate four type of calculations in all the field of study. This research has been limited to arthematic operation calculation. The study also involves the visual basic programming languages for the writing and running of the source code or program. the brief description on processed data in equally included.

## 6.2 ASSUMPTION

The project will be designed and implemented based on the following assumption

1. That the use visual basic progeamming language will make the program to run on any computer.
2. That the project will ensure timely and occurate processing in computer.
3. That the speed of the computer will improve after the implementation of the anticipated online calculator,finally having done this that facts and figures manipulated are reliable the designed software to run primarily