1. **Introduction**

Now a day’s Information and communication technology (ICT) plays a great role in different fields or areas. It is necessary to ensure a technologically appropriate, equitable, affordable, efficient, and environmentally adaptable and consumer friendly system, designed to fully utilize the ICT for the maximum benefit in the Business industry. Our project contains a bundle of tools professional and practical tools for business and advanced calculations. We have provided a graphical interface to embed all calculation software in a single platform. So that a user can perform easily multiple tasks in very short time.

This Application will be very useful for any type of business calculations and professional level estimations. It is also useful for Engineering, Mechanical, electrical, Mathematical and other technological fields. Users can also save their calculations and important records for time saving and reusing facility.

The Estimating tool system is built for the sake of ensuring effective and clear data saving and Calculations as well as neat work on the business market.

* 1. **Objectives**

It is the user friendly application , which reduces the burden and helps to manage all sections of calculations, estimations and conversion. which improve the processing efficiency. The main Objectives of this application is making the business organizations computerized by creating neat work through minimizing or eliminating wasting of time.

**1.2 Literature Review:**

The basic idea of our estimator tool is taken from multiple websites and online applications which perform calculations but not fully satisfied because every action is performed on user selections. In this way user select multiple options to do a single calculation as Windows Calculator do. Firstly, a user selects a converter type and then selects multiple options one by one to view the result. We will try our best to minimize all aspects. Through our product, user may not need to open or install multiple software to do different type of calculations. We will combine all of them in a single one.

**1.3 Statement of Problem:**

To create a unique project from all other students we decided to design an application on VB.NET and C# using Visual Studio. Trendy apps give us great competition and it lead us to the idea of designing a unique product to make a difference in the application world. The idea is to build an Easy Estimator Tool. This application will attract business persons for its rareness and light features.

**1.4 Limitations:**

Every application, games or website has a limitation up to some extent.

Easy Estimator Tool is a desktop application later or we will convert it to mobile application.

It may have some complexity for users first time they use it. For proper use and decrease its complexity they have to study its manual guide.

**1.5 Delimitations:**

Delimitations include all the things that an application or software can do. Those are the Plus points of the applications.

Easy Estimator Tool is very light weight software

No external support needed to run this application

Save Calculation Records

Perform multiple tasks in single click/action

It will also be available and runnable on Windows Mobile Phones

Contains all types of calculators

All types of estimation tools

All types of convertors

**1.6 Research Methodology:**

Users or customers of our application must know how to operate the computer and windows phones. They must know how to use internet and how to download apps from internet.

**1.7 App Design Flow Chart:**

**Ethical issues and measures to address such issues:**

Easy Estimator Tools is easy, straight forward, useful tool without any bug and frustrating. User can run this application in the older versions of operating systems of their systems. This app doesn’t require high memory space or high processing power. This app is user friendly and is highly compatible to the hardware.

1.8 Features of application

Calculators

Save calculation record

Enhance calculator

Scientific calculator

Logarithmic

Number systems

10th power

Food units

Math functions

Converters

Weight and mass

Length

Bite conversion

Power

Volumetric flow conversion

Velocity

Pressure converter

Time

Temperature

Volume

Electrical

Area units

Density

Speed

Torque

Manual estimation

Angle conversion

Paper estimation.

1.10 Benefits of proposed application

# 2. System Implementation

# Introduction

System implementation is a stage in system life cycle whereby a new system is developed, installed and made ready for use. It is this stage that all details and key point in the requirement specification are practicalised. System implementation therefore, is a very essential stage in which its success determines to a great extent the success of the new system. At this instance, after all is said and done the system is duly ready to be implemented.

## 2.1 Choice of Programming Language

Choosing a programming language depends on your language experience and the scope of the application you are building. While small applications are often created using only one language, it is not uncommon to develop large applications using multiple languages.

The propose application to be built is not a web based application that needs internet facilities to function but a standalone application.

The choice of programming language to use for this program is visual basic. The structure of the Basic programming language is very simple, particularly as to the executable code.

Visual Basic has many new and improved features such as inheritance, interfaces, and overloading that make it a powerful object-oriented programming language. It is particularly easy to develop [graphical user interfaces](http://en.wikipedia.org/wiki/Graphical_user_interface) and to connect them to handler functions provided by the application.

Visual Basic fully integrates the .NET Framework and the common language runtime, which together provide language interoperability, garbage collection, enhanced security, and improved versioning support. Visual Basic supports single inheritance and creates Microsoft intermediate language (MSIL) as input to native code compilers

**2.2 System Testing and Debugging**

Testing is an integral part of software development processes. This is to ensure that the quality requirement of the application is not compromised by testing and debugging program modules before they are integrated, testing the system to ensure an effective inter-operability after integration.

Debugging has to do with fixing of errors encountered during program execution. System testing deals with the real life testing of the system, to ascertain how far it has gone in carrying out the expected task. This was carried out in two phases.

Number one is the source code testing which examine the logic of the program. Secondly, the specification testing which involves the examination of the system as regard to what it should do and how it should be done given specific conditions. This includes inputting data, collecting its output and comparing it with the output of the old system and assessing it to see if it can replace the old system.

# 2.3 System Documentation

System documentation is a crucial aspect of implementation process. It describes the working of components and serves as a method of communication between application developers and users. It also helps future analysis of application either by the same or different system analysts and developers.

To setup the system, there must be visual basic 6.0 software installed on the computer before it can work.

# 2.4 Hardware Requirement

* A minimum hard disk space of 20 Gigabytes (GB)
* RAM size of 1GB
* Pentium 4 dual processor CPU
* A VGA colour monitor
* Mouse
* Keyboard

**2.5 Software Requirement**

* Windows operating system such as Windows 2000, windows XP, Windows Vista, Windows 7.
* Visual basic software