* **Overview**

This Multitasking Converter provides a feature by which more than one task can be performed simultaneously. It’s the Converter which also provides you the power to calculate at your finger tip. Using this Multitasking Converter, User is able to convert various units like distance, temperatures, weights & various complex units of mathematics and science. It can perform simple as well as scientific calculation easily. This Multitasking Converter also have the option for currency Conversion where the user can add and remove the countries for which he/she wants to see the currency difference. Inspite of currency converter, there will be some other convertion options for the use of the users.

* **The need Multitasking Converter:**

Some students find the conversion of units difficult, whereas for others it seems to come naturally. Whether they find it difficult or not, students are often required to convert between different units, such as length, speed, Temperature or weight. When converting from kg to g or cm to meters or indeed MPH to KPH, students often rely on memory to decide whether for example they should divide or multiply by a 1000, rather than applying their knowledge of prefixes and their place value relative to 1.

Converting between units is an important skill because in practice during practical work students often measure speed in KPH but they are then required to convert it into MPH, knots, Mach in order to carry out the required calculations.

Different countries use different currency, and there is daily variation in these currencies relative to one another. Those who transfer money from one country to another (one currency to another) must be updated with the latest currency exchange rates in the market.

* **The main aspects of Multitasking Converter:**

**1. Calculator -**The basic scientific calculator performs arithmetic operations on number. The simple calculator can do only addition, subtraction, multiplication & division, but the basic scientific calculator can handle trigonometric functions (i.e. sin, cos, tan), squares, square roots, logarithms, etc.

**2. Unit Converter-** Unit converter is not only perform unit conversion of lengths (i.e. centimeter, meter, height, etc.). It is a snappy, simple and effective apparatus for changing over different estimation units. Unit converter can change over various units of measure.

So whenever we are in need of extra conversion of different types of units, we can use this unit converter as this unit conversion is also limited to temperatures, weights, speed and five to six types of other unit conversions.

1. **Length Converter-**This length converter is a tool that enables quick conversion between length units.Length is a measure of Distance. In the International System of Quantities, length is a quantity with dimension distance. In most System of measurements a base unit for length is chosen, from which all other units are derived. It's equipped with different units of length measurement they are as follows:

i) Feet

ii) Meters

iii) Inches

iv) Centimeters

v) Yards

vi) Kilometers

vii) Miles

1. **Temperature Converter-** This Temperature converter is a converter that enables quick conversion between Temperature units.Temperature is a physical property that expresses the degree or intensity of heat in a substance or matter. Temperature is the manifestation of thermal energy, present in all matter, which is the source of the occurrence of heat, a flow of energy. The some of the different Temperature units are as follows:

i) Celsius

ii) Kelvin

iii) Fahrenheit

1. **Speed Converter-** Our speed conversion tool performs the function of a speed distance time calculator. It is easy to use. You can simply convert any number of kilometers to Mph, Kph to Mph, Mph to Knots, etc. Speed can be thought of as the rate at which an object covers distance. The some of the different Temperature units are as follows:

i) Miles per hour (MPH)

ii) Kilometers per hour (KPH)

iii) Knots

iv) Mach

**3. Currency Converter-** Currency converter is designed to convert one currency into another in order to check its corresponding values. In order to convert one currency into another, a user enter an amount of money and chooses the currency he /she wishes to check the monetary value. After that the user select one, or sometimes several other currencies, he/she would like to see the

Result in. The currency converter will calculate and display the corresponding amount of money. Different currency in the currency converter are as follows:

i) US Dollar (USD)

ii) Euro (EUR)

iii) Japanese Yen (JPY)

iv) British Pound (GBP)

v) Australian Dollar (AUD)

vi) Canadian Dollar (CAD)

vii) Swiss Franc (CHF**)**

viii) Chinese Yuan Renminbi (CNY)

ix) Swedish Krona (SEK)

x) New Zealand Dollar (NZD)

xi) Mexican Peso (MXN)

xii) Singapore Dollar (SGD)

xiii) Hong Kong Dollar (HKD)

xiv) Norwegian Krone (NOK)

xv) South Korean Won (KRW)

xvi) Turkish Lira (TRY)

xvii) Russian Ruble (RUB)

xviii) Indian Rupee (INR)

xix) Brazilian Real (BRL)

xx) South Africa Rand (ZAR)

xxi) Philippine Peso (PHP)

xxii) Czech Koruna (CZK)

xxiii) Indonesian Rupiah (IDR)

xxiv) Malaysian Ringgit (MYR)

xxv) Hungarian Forint (HUF)

xxvi) Icelandic Krona (ISK)

xxvii) Croatian Kuna (HRK)

xxviii) Bulgarian Lev (BGN)

xxix) Romanian Leu (RON)

xxx) Danish Krone (DKK)

xxxi) Thai Baht (THB)

xxxii) Polish Zloty (PLN)

xxxiii) Israeli Shekel (ILS)

**4. World Clock-** A world clock is a clock which displays the time for various cities (i.e. New York, Hong Kong, Dubai, etc) around the world.

Clocks have different ways of displaying the time. Analog clocks indicate time with a traditional clock face, with moving hands. Digital clocks display a numeric representation of time. Two numbering systems are in use; 24 hour notation and 12-hour notation.

* **Application of Multitasking Converter:**
* To make calculations easier we have added, trigonometric function.
* Easy conversion of currencies which is not available in other converter.
* It provides the facility to convert one units into another unit easily and accurately.
* The web page, being developed in JavaScript, is portable and flexible
* The calculator provides a learner with the opportunity to observe and investigate
* There are no definite harmful effects in using a calculator at an early age, and if the calculator is used as a teaching and learning aid it will enhance the learning of mathematics.
* **Advantages of Multitasking Converter:**

The Converter which were made earlier are such that they can perform a specific task only for example let us consider a currency converter which is developed to convert currency of one country into another country so if he/she use this converter they are able to convert currencies only. Multitasking converter is a bundle of converter which will allow you to use number of conversions.