**BODY MASS INDEX CALCULATOR USING LOCATION**

**M.A.RAGAVENDRAR**

**VEL TECH HIGH TECH DR.RANGARAJAN DR.SAKUNTHALA ENGINEERING COLLEGE**

**DEPARTMENT OF COMPUTER SCIENCE ENGINEERING**

**Abstract**:

The BMI Calculator App could indeed be a software operation which avoids further homemade hours that bear must spend in personally calculate and find the BMI for a named person at one click. This operation keeps both the quality in it ie American standard and Indian standardtoo.This app gives us all the knowledge in both the norms which is not given in beingapp.The main compass is to want care of the health. The BMI App gives us all the data ie it gives suggestion for our health and tells us what should we eat and what to avoid. After we enter the peak and weight we get all the knowledge ie are we fat or light etc..

**Keywords:** Android,Calculator, Application, Smartphones

**I .INTRODUCTION:**

Body Mass Index (BMI) is also a price deduced from the mass ( weight) and height of someone. The BMI is defined because the body mass divided by the forecourt of the body height, and is expressed in units of kg/ m2, performing from mass in kilograms and height in metres.

The BMI could indeed be determined employing a table or map which displays BMI as a function of mass and height using figure lines or colours for colorful BMI orders, and which could use other units of dimension ( converted to metric units for the computation).

The BMI could indeed be a accessible rule of thumb habituated astronomically classify someone as light, normal weight, fat, or fat supported towel mass ( muscle, fat, and bone) and height. Major adult BMI groups are light (under18.5 kg/ m2), normal weight (18.5 to24.9), fat (25 to29.9), and fat (30 or further). When oriented prognosticate an existent's health, rather of as a statistical dimension for groups, the BMI has limitations which may make it less useful than kind of the druthers, especially when applied to individualities with abdominal rotundity, short elevation, or surprisingly high muscle mass.

BMIs under 20 and over 25 are related to advanced all-causes mortality, with the peril adding with distance from the 20 – 25 range.

# II. FUTURE SCOPE:

# This application avoids the manual work and also the problems concern with it. Centralized management of the database &one app to manage the BMI Calculator of the various section of the female/male etc.Well I and my team member have worked hard so as to present an improved project/app better than the present one’s regarding the data about the varied activities. Still, we discovered that the project may be tired a far better way. we are able to add alter msg to her/him to eat and excise.

**III. PROPOSED SYSTEM:**

The BMI Calculator Operation is a software program programme that eliminates the want for similarly selfmade hours to calculate and descry

the BMI for a particular individual with a single click. This operation contains each American and Indian morals. This operation affords all of the data in each morals that is not reachable in any different operation .BMI is calculated the identical way for each grown-ups and children. The computation is rested on the following formulas.en los años de mayores dificultades sociopolíticas de la localidad en regular que el asalariado comunitario desarrolla su tarea cercado de las personas que habitaban en campamentos Dimension Units Formula and Computation Kilograms and measures (or centimetres) Formula weight (kg)/ ( peak (m)) two with the metric system, the formulation for BMI is weight in kilograms divided through peak in measures squared. Because peak is typically measured in centimetres, divide top in centimetres through a hundred to achieve

top in measures.

Example Weight = sixty eight kg, Height = a hundred sixty five cm (1.65 m)

Computation sixty eight ÷ (1.65) two = 24.98

Pounds and elevation Formula weight (lb)/ ( top (in)) two x 703

Calculate BMI via dividing weight in kilos (lbs) via top in elevation (in)

squared and multiplying through a conversion issue of 703.

Example Weight = 150 lbs,Height = 5’5 ″ (65 ″)

Computation (150 ÷ (65) two

x 703 = 24.96

Table 1. BMI computation formulation

• BMI desk for grown-ups This is the World Health Organization's (WHO) encouraged physique weight rested on BMI values for grown-ups. It's used for each guys and women, age 18 or progressed.

Order BMI range-kg/ m2

Severe Pungency< sixteen

Moderate Pungency 16-17

Mild Pungency 17-18.5-25

Fat 25-30

Fat Class I 30-35

Fat Class II 35-40

Fat Class III> forty

Table two BMI desk for grown-ups

• BMI desk for teens and teens, age 2-20 The Centres for Disease Control and Prevention (CDC) recommends BMI categorization for youth and young adults between age two and 20.Category Percentile Range Light 95 Table three BMI desk for youth and young adults.

**ADVANTAGES OF PROPOSED SYSTEM:**

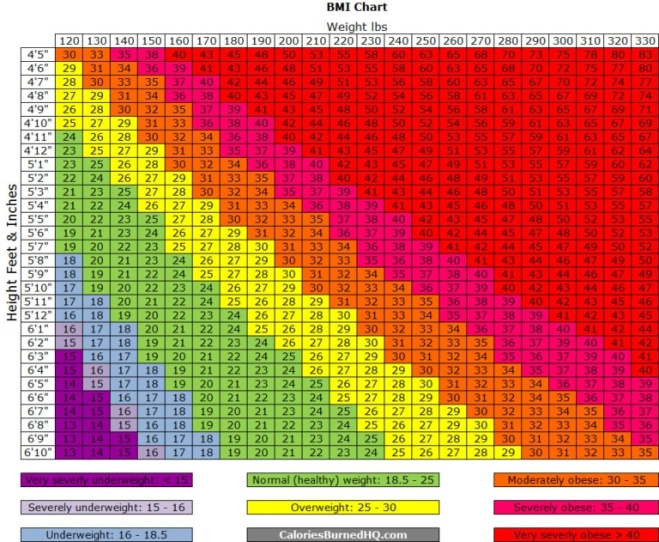
As stated, BMI helps measure the rotundity rate in people. Observing the changes in BMI values helps croakers estimate the rotundity situations in people over time.

When the BMI of a major population is calculated, it helps experimenters gather data that may be habituated examine the rotundity epidemic.

It helps experimenters determine the pattern of diet that leads to rotundity during a large group of individualities.

Knowing the BMI value of a private, croakers can alleviate the health pitfalls arising because of rotundity.

**THE ARCHITECTURE OF OUR PROPOSED BMI CALCULATOR:**

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**IV. EXPERMENTAL RESULT:**

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# CONCULSION:

# BMI for estimating percent of body fat and its relationship It's time to move beyond the BMI as a surrogate for determining body fat mass. Alternately, if BMI continues to be used, the orders and delineations should be changed to reflect the current distribution of BMIs in the general population. A better means than the to mortality and colorful morbidities easily would be desirable. The BMI wasn't firstly developed for use specifically as an indicator of fattiness in population- grounded studies. Still, it has been assimilated for this use because it's a readily attained metric. It should be understood that the BMI has serious limitations when used as an index of percent of body fat mass. Indeed, it may also be deceptive in this regard, specifically in men. The language urrently used also is prejudicial. By description, one- half or further grown-ups in the recent history and presently are fat (preobese) or fat in Western, bucolic nations. The current BMI bracket system also is misleading in regard to goods of body fat mass on mortality rates. The part of fat distribution in the vaticination of medically significant morbidities as well as for mortality threat isn't captured by use of the BMI. Also, multitudinous comorbidities, life issues, gender, races, medically significant domestic-determined mortality effectors, duration of time one spends in certain BMI orders, and the anticipated accumulation of fat with aging are in all likelihood to notably have an effect on interpretation of BMI data, mainly in regard to morbidity and mortality rates. Similar confounders as well as the known clustering of rotundity in families, the strong part of inheritable factors in the development of rotundity, the position in which inordinate fat accumulates, its part in the development of type 2 diabetes and hypertension, and so on, need to be considered before promulgation of public health programs that are designed to apply to the general population and are grounded on BMI data alone. Easily, rotundity, asdeterminedby BMI, isnot a monotypic, age-steady condition taking a general public health ‘‘ precautionary ’’ approach. A BMI- determined categorization of an existent shouldn't be used simply in comforting or in the design of a treatment authority. In addition, when considering weight loss rules, variations in body weight attributed to weight loss and salutary cycling may be dangerous. They've been associated with an increased mortality rate. The conception of starvation- associated rotundity also needs to be considered.

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