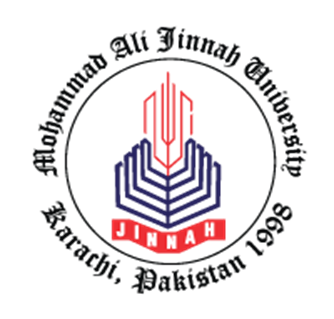
**Mohammad Ali Jinnah University**



**LIVE , LEARN AND BE INSPIRED**

**Program: BSCS Section: AM**

**Course: Computer Programming**

**Project:**

**­­­­**

**Leader:**

**M.Hasham Khan**

**Team Members:**

**M.Saad Khan M.Burhan Saleem**

**M.Rauhaan Arif Moiz Ahmed Siddiqui**

**BMI CALCULATOR AND ANALYZER**

A screenshot of a cell phone

Description automatically generated

**Introduction Of The Project:**

The project which we have chosen is “BMI Calculator And Analyzer”. It is a GUI based Calculator application which shows your body mass index ratio by taking your height,weight,age and gender as an input.

**STEPS:**

* + Searching
  + Task Distribution
  + Libraries
  + Making of GUI

**SEARCHING:**

First we searched about what things are required to make our project then we were able to find some features and requirements which were necessary for our project.

They are as follows:

* Graphical interface of BMI
* Different libraries for better GUI
* Codes of BMI
* Machine learning codes for graphs
* Data for comapiring ideal BMI

**TASK DISTRIBUTION:**

**Hasham:**

* Making of GUI

**Rauhaan and Burhan:**

* Coding of project

**Saad:**

* Graph Ploting with ML

**Moiz:**

* Push Buttons and Combo Box

**LIBRARIES:**

* PyQt5
* Qt Core
* Qt Widget
* Qt GUI
* Machine Learning Code

**MAKING OF GUI:**

We have used PyQt5 to make the GUI of our project  and it is one of the favoured cross-platform Python bindings.

We make several buttons in our project which are mentioned below:

* Calculate BMI (Push button)
* Analyze (Push button)

**HOW DOES IT WORKS ?**

* The computer programming language which we are using in our project is Python. It is best and easy language and is very user friendly.
* If you enter your weight in kgs and your height along with your age, it will tell you that whether you are under weight, normal weight or over weight.
* It also tells that what should be your ideal weight and ideal height by comparing it with the outcome.

**Conclusion:**

Our BMI Calculator can keep you healthy and well maintained like it tells you that if you are under weight, you should eat more and take a proper and healthy diet. If you are over weight, you should control your diet and eat less junky. If you are normal weight, you are healthy and you should maintain your diet. In this way you can keep your record and can always access it.