**PROGRAMMING IN PYTHON 2**

**MINI PROJECT**

**TOPIC – RESULT DATA ANALYSIS**

**Project by – Krishi Parekh**

This project includes many context for student data analysis. This project provides sorted list of Top 10 students, Total vs Pass analysis, Display result sheet Grade analysis, Graphs and overall performance of students.

By the graph represented to you , it is easy to represent the whole class data very conveniently. By just inputing the number you can get the result you want.

1. **WHAT THE PROJECT CONTENT?**
   * + **MODULE USED**
     + NUMPY
     + PANDAS
     + MATPLOTLIB
     + MATH LIBRAY
     + SYSTEM
     + TIME
     + REGULAR EXPRESSION

* + - **GRAPHS**
    - LINE GRAPH
    - BAR GRAPH
    - PIE GRAPH
    - **CSV (COMMA SEPRATED VALUE)**
    - CSV = Student\_data.csv

1. **ALGORITHM : -**
   * **Step 1 : -** Take input from the user which He/She want to access the

function , which result He/she want(overall, top10,total vs pass…….).

* + **Step 2 : -** Scan the input and open the result according to it.
  + **Step 3 : -** After accessing it , it will ask you for exit and next.
  + **Step 4 : -** It will again give you a list for the result which one you want to access and it again call that function that you have entered.
  + **Step 5 : -** All the function is connected to csv so all your data will be accessed from it.
  + **Step 6 : -** As while loop will again and again run after the execution of the result that you have opened , until it met exit condition.
  + **Step 7 : *-*** EXIT.