**Mid Term Project of**

**Bano Qabil 2.0 (OfficeWizar to Python)**

**B# 8-10 PM (Tuesday & Thursday)**

**Student Name = Tanveer Memon**

**Contact # = 0320-1212238**

**Subject of Project**=

To create a “Registration Form” for storing the student data information for registration and admission and maintain the data in excel sheet as a database.

**Project Summary**=

The form was created in python software using VCS (Visual Code studio) for coding and some extensions were also installed for linking the python with excel sheet *(other standalone software)* for maintaining the data base and theme of “Registration Form”.

When the student(s) fill the “Registration Form” and submit it, the complete information will be stored in excel sheet database.

**Step # 01** = Ensure Python (latest version) is already installed in your system, if not install it.

**Step # 02** = Ensure VCS is already installed in your system, if not installed it.

**Step # 03** = Install extensions also in VSC which support the debugging and running the code.

**Step # 04** = Install python Simple GUI (graphical user interface) by typing

*“Pip install pysimpleGUI”* in command prompt.

**Step # 05** = Install Openpyx1(for connecting the python with excel sheet) by typing *“Pip install openpyxl”* in command prompt.

*(openpyxl is a library for reading and writing Excel files (XLSX)*

**Step # 06** = Install pandas (data manipulation library) by typing *“Pip install pandas”* in command prompt.

*pandas is a powerful and widely used data manipulation library in Python.*

**Step # 07** = The Lists, for loop, while loop, dictionary, index and variables were used for coding and creating a layout.

**Step # 08** = The some Codes and ideas were googled and internet exploring was done for finalizing the code to create the “Registration Form”.

**Step # 08** = After step-09, successful creation of “Registration Form” this form has been linked with Excel sheet for storing the data in database.

Once the student fill the form and submit the form, the data will be manipulated into specific excel sheet and form will be clear immediate after transferring data.