ASHA N – Daily Progress Report on 04/12/2020

**Code of the GUI**

import tkinter as tk

root = tk.Tk()

root.title("Data Acquisition System")

root.geometry("400x200")

measurement\_choices = tk.StringVar()

ac\_choices = tk.IntVar()

dc\_choices = tk.IntVar()

measurement\_type = {"Voltage - AC", "Voltage - DC",}

AC\_range = {1, 50, 100, 200,300,400,500}

DC\_range = {1, 6, 12, 18,24,30,36,42,48}

measurement\_choices.set("Measurement Type")

ac\_choices.set("AC range")

dc\_choices.set("DC range")

label=tk.Label(root,text="Select the Type and range")

label.place(x=130, y=10)

measur\_type = tk.OptionMenu(root,measurement\_choices, \*measurement\_type)

measur\_type.configure(width=15)

measur\_type.place(x=50, y=35)

ac\_range = tk.OptionMenu(root,ac\_choices, \*AC\_range)

AC\_range=sorted(AC\_range)

ac\_range.configure(width=10)

ac\_range.place(x=230, y=35)

dc\_range = tk.OptionMenu(root,dc\_choices, \*DC\_range)

DC\_range=sorted(DC\_range)

dc\_range.place(x=230, y=75)

dc\_range.configure(width=10)

btn = tk.Button(root,text="Next", bg="gray")

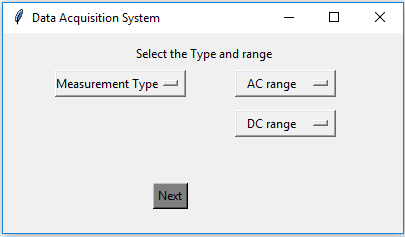
btn.place(x=150, y=150)

root.mainloop()

This is the GUI for Data Acquisition System, in this GUI we have three dropdown menus namely measurement type, AC and DC ranges.

* Measurement type dropdown includes Voltage-AC and Voltage-DC.
* AC range dropdown includes various ranges of selected measurement type.
* DC range dropdown includes various ranges of selected measurement type.

Next button for further process



Unable to take the screenshot of dropdown button in snippet tool.