User Guide for Running Pig Temperature Sensor Program –

There are some pre-requisites programs/setup which needs to be present on the machine you wish to run this application. They are as follows –

1. RVNA application
2. Python 3
3. Python modules installed – Pyvisa, tkinter, pandas

Please follow the below steps to run the program and predict the temperature.

Step 1 – Download/Clone the git repo

Step 2 – Go into the folder and make sure you have 5 files in it namely Final Peak, FreqVector, R60VNADataplot, Scat\_data\_1 and scriptRVNA.

Step 3 – Now, open a terminal in your OS (Windows/Linux)

Step 4 – Run the RVNA application and keep it running in the background as our python code needs the application to be running.

Step 4 – Using python run the program. Use ‘python scriptRVNA.py’

Step 5 – Before pressing the ‘Take Reading’ button on UI, make sure your reader head is on the tag.

Step 6 – Temperature of the tag will be shown on the screen.