Emon Data Analysis Tool

Problem Statement:

When Emon does the data collection, the excel sheet will record the captured data by the corresponding order. However, if we want to align the data of two test cases, this may cause the data alignment issue, and increases the cost of time when users want to do data. The use case is where the Emon is not aligned, and we didn’t have a tool that could compare 2 emon data (collected for different configurations, for example 1-socket vs 2-socket system) to analyze if they were within 5% of each other.

Goal achieved by the Tool:

By simply running the python scripts, the tool will achieve the following functions in less than 10 seconds:

1. Align the event data of different test cases in the corresponding order
2. Identify the uncaptured data
3. Identify the event data with difference larger than 5%

Example:

Graphical user interface, text, application

Description automatically generated

Command line for the users:

python Emon Data Analysis Tool.py Emon\_data Data\_Analysis\_Result

Yellow: the path of python scripts

Red: The path of the input folder containing the Emon data

Blue: The path of the result folder

Example:

