*You are given a video (Test\_video.mp4) that contains recorded value and time.*

*•* *Create a Python script to convert video to time series*

*•* *Optimize the code for fast execution*

*•* *Share the source code (.py or .ipynb) and instructions for code deployment*

*The code will be executed on the device with the following specifications, and the execution time will be evaluated:*

*Processor* *11th Gen Intel(R) Core(TM) i7-11800H @ 2.30GHz 2.30 GHz*

*Installed RAM* *16.0 GB (15.7 GB usable)*

*GPU* *NVIDIA GeForce RTX 3050 Ti Laptop GPU*