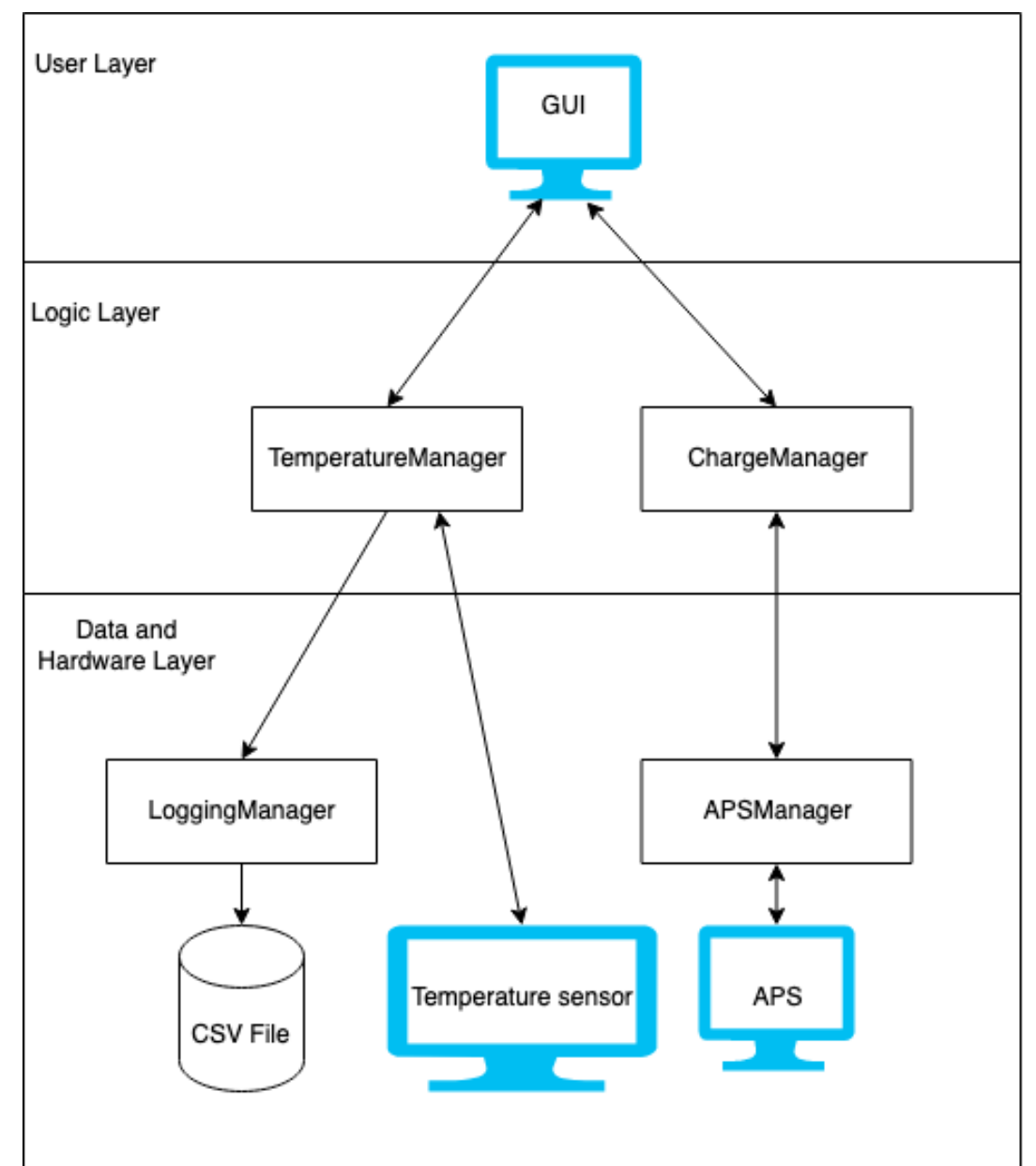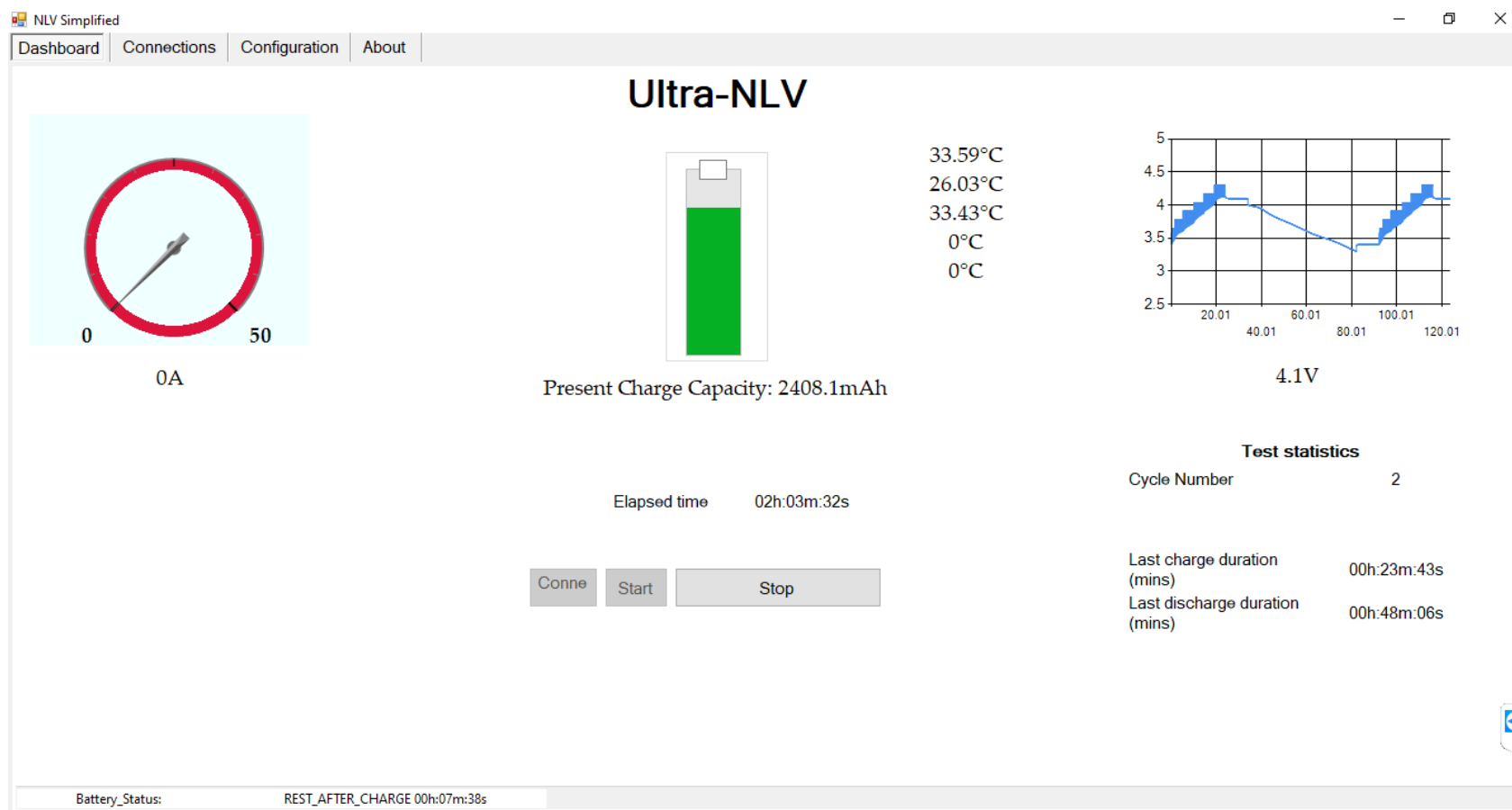# Li-ion Battery Charging

Developing a program to test NLV charging algorithm

Student: Abhigyan Singh   Supervisor: A/P Douglas Leslie Maskell
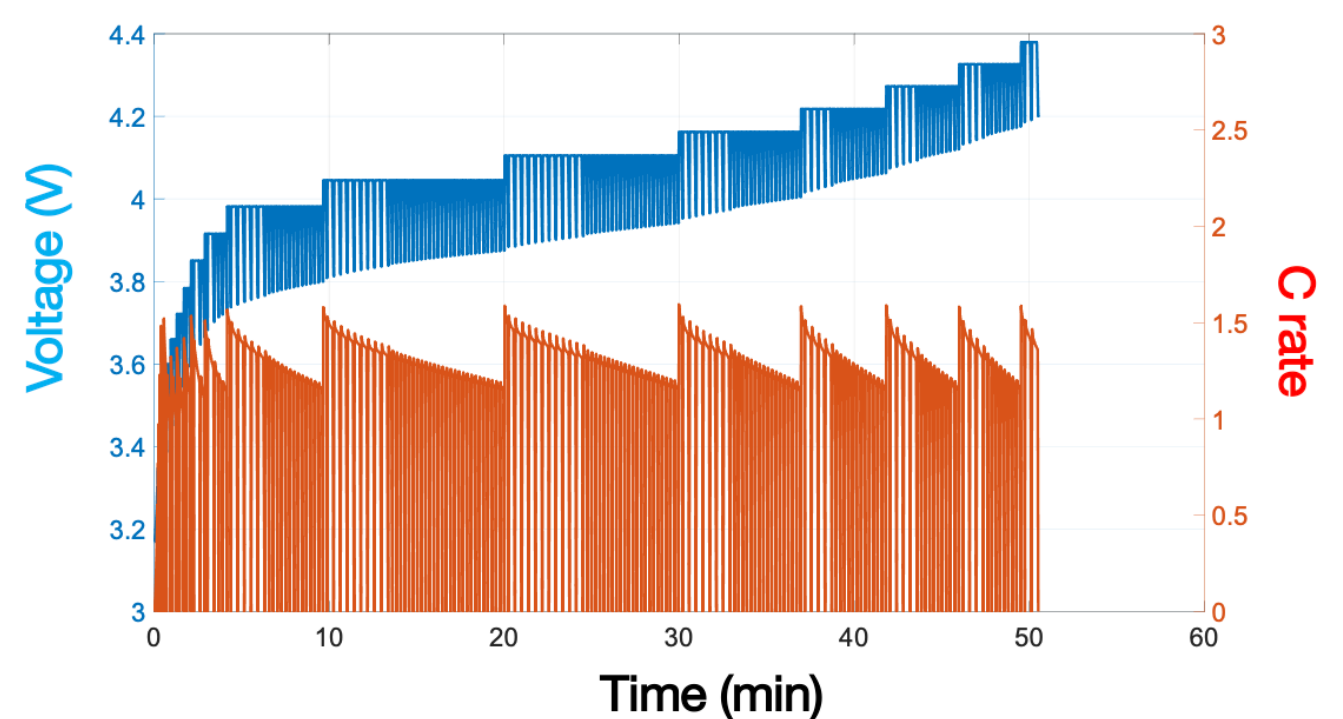
Project Objectives:

The aim of this project is to develop a program that allows to test out the NLV charging algorithms and perform testing to make sure:

- Temperature Does not exceed 55 degrees.

- Charging does not deplete battery capacity over time.

- Determine the parameters for charging 30T cells in 15,20,30,40 minutes

Tests performed:
- GITT test
- 125 NLV cycles on one cell
- Finding appropriate I(min)
- Finding appropriate DeltaV
- Finding appropriate termination voltage

NLV charging profile