This folder contains numerous scripts. The file are as follows:

* Cost : Calculates cost values (Emission, and TCO)
* EOL : Calculates end-of-life, displays degradation curves, and displays the daily average for heating and cooling the ESS.
* LifeMdl\_loadparams, LifeMdl\_StressStatistics,LifeMdlupdateOutput,LifeMdlUpdatestates: All these scripts are created to calculate End of life. These functions are created just for degradation processes.
* New\_Emodel: This script is created to simulate the electrical model of the battery.
* NightlyCharging: This function is responsible for assigning charger to BEBs even in midnight.
* Scheduler: arranging the buses for charging based on the needs of the fleet.
* thermalmodel: simulates the thermal model of the battery in presence of a heating or cooling system.
* Vehicle\_simulation: Simulates and calculates the average power needed to move the buses in the bus fleet based on driving cycle , vehicle weight, slope, and other circumstances.