

# **Design and Simulation of a Grid-Connected Solar PV System with Integrated Battery Energy Storage.**

(Started in 20<sup>th</sup> January, work is in Progress)

- Attempts to maximize energy efficiency, enhance dependability, and minimize losses in the entire electrical system by optimizing power flow between the solar PV system, battery storage, and the grid.
- To system performance and successful integration for a reliable and effective power supply, MATLAB is utilized.