**Testing**

**High level test**

* Net Present Cost (NPC) of the system by applying swarm-based ABC algorithm-Requirement based test: Passed
* Levelized Cost of Electricity of the system by applying swarm-based ABC algorithm- Requirement based test: Passed

**Low level test**

* Calculation of total solar energy as per given user input- Scenario based test: Passed
* Calculation of total wind energy as per given user input- Scenario based test: Passed
* Calculation of total DG energy as per given user input- Scenario based test: Passed
* Calculation of total wind cost as per given user input- Scenario based test: Passed
* Calculation of total solar cost as per given user input- Scenario based test: passed
* Calculation of total battery cost as per given user input- Scenario based test: passed
* Calculation of inverter total cost as per given user input- Scenario based test: passed