

## **ABSTRACT**

Simple solar lighting system, this provide alternative light from solar energy source, it will be used by any citizen in area with no electric service, also can be used in those area with electric service when power went off.

Data analysis for finding useful values and specification of component used in designing of the circuit was performed well. Useful information required in accomplishing of the project was successful collected, that include components used and their amount, the value of each component corresponding with cost of each component.

Simulation of circuit was done on proteus software to verify its performance before implementing the prototype, and it show positive results.

Building of prototype circuit was done on Vero board and the prototype was tested successful and it operated normal as it was expected.

The project is completed on all phases, objective of doing project was achieved.