A PROJECT REPORT ON THE EFFECT OF TEMPERATURE ON SOLAR PANEL PERFORMANCE

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A PROJECT REPORT SUBMITTED TO PHYSICS UNIT, DEPARTMENT OF SCIENCE LABOURATORY TECHNOLOGY,

INSTITUTE OF APPLIED SCIENCE (IAS)

IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF NATIONAL DIPLOMA (ND)

IN SCIENCE LABORATORY TECHNOLOGY, SLT

JUNE,2025

ABSTRACT

This study investigates the influence of temperature on the performance of solar panels. as solar panels convert sunlight into electrical energy, their efficiency is influenced by various environmental factors, including temperature. The project aims to examine the relationship between temperature and solar performance focusing on key parameters such as voltage, current and power output.

Experimental data is collected and analyzed to determine the extent to which temperature affects solar efficiency. the findings of this study provide valuable insights into optimizing solar panel design and operation for improved performance in diverse environmental conditions.

ACKNOWLEDGEMENTS

We are highly grateful to almighty god that has guided us throughout the course of this project

Our special thanks are extended to Mr. Garba Muyideen who has worked tirelessly to see the success of this work for his advice and effective supervision, we also wish to appreciate the kindness and support of the head of SLT Department, Dr. Usman A. and all the entire staffs

We are also grateful to the rector, and the polytechnic management as well as the director, institute of applied sciences, for providing an enabling environment required for conducting worthwhile academic work in the form of lectures, projects, researches and extra-curricular activities.

CERTIFICATION

This is to certify that the work was carried out and reported by in the department of science labouratory technology (SLT) Institute of Applied Sciences (IAS) and has been read and approved as meeting the requirement for the award of National Diploma (ND)

I. _____ _____

Mr. Garba Muyideen Date
(Project Supervisor)

II. _____ _____

Mr. Ibrahim A. W Date
(SLT PT Coordinator)

III. _____ _____

External Examiner Date

DEDICATION

We dedicate this project work to Almighty God

DECLARATION

It is hereby declared that:

- This project has been prepared by us and that it is a record of our own research effort carried out under the supervision of Mr. Garba Muhyideen.
- To the best of our knowledge, it has neither been carried out nor presented in any other institution of higher learning for certification
- All quotation and or citations and sources of information have been acknowledged by means of references.

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