

DESIGN OF A SOLAR TRACKING MECHANISM

Project Report submitted by

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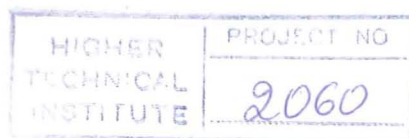
In part of satisfaction of the award of
Diploma of Technician Engineer in
Mechanical Engineering of the

HIGHER TECHNICAL INSTITUTE

Cyprus

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June 1992



Summary

As the objective define this project deals with the design of a solar tracking system in simple words a mechanism that keeps a platform always normal to the sun rays.

At the begining of this project a brief review is done for the solar energy origin and the relations between the SUN-EARTH positions. In continue considering the various parameters affecting the efficient solar collection the various control mechanism are developed.

Finally a cost estimation is presented.

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Introduction to solar energy

CHAPTER 2

Mechanical design of the solar tracking
Mechanism including the study of parameters
required for an efficient solar energy collection

CHAPTER 3

Design of the control unit for the developed
mechanism

CHAPTER 4

Cost estimation