

HIGHER TECHNICAL INSTITUTE

MECHANICAL ENGINEERING DEPARTMENT

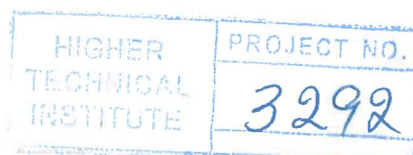
DIPLOMA PROJECT

**CUSTOMIZATION OF A COMPUTERIZED
METALLURGICAL MICROSCOPE SYSTEM**

M/928

BY: HERACLIDES N MICHALIS

JUNE 2001



**CUSTOMIZATION OF A COMPUTERIZED
METALLURGICAL MICROSCOPE SYSTEM**

BY

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Project report submitted to the
Department of Mechanical Engineering
Of the
Higher Technical Institute

In partial fulfillment of the requirements for the diploma of

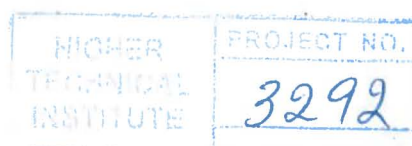
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ABSTRACT

The implement of this project is to study and customize of a computerized metallurgical microscope system.

Even though microscopes system are widely used in most every university and generally in all activities that have to do with Metallurgy in industries is hardly used. Although in most respect it would be a good system for improving industries.

The customization of a computerized metallurgy microscope system was done for first time this year in Higher Technical Institute. This was a must due to the victimization that the Department of Mechanical Engineering has been faced the last years.

The object of this project is to describe and analyze how the two software's that are used in microphotography is working. Moreover, is the preparation of specimens in order to describe the structure of each specimen and why it has such a structure?

In addition to all that another objective of these project is to prepare lab reports for the students of Mechanical Engineering Department in order from the next year to work with the new automated system

Suggestion for improvement of the of the computerized metallurgical microscope system have been quoted, hopping the recommended solutions to be implemented.

DEDICATION

TO MY PARENTS FOR THEIR SUPPORT AND
GUIDANCE ALLTHESE YEARS.

MY FRIEND GALATEIA WHO HELPED ME
FOR THE COMPLETION OF THIS PROJECT.

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