



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



# شبكة المعلومات الجامعية

## التوثيق الالكتروني والميكرو فيلم

# جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأفلام قد اعدت دون أية تغيرات



## يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of  
15 – 25c and relative humidity 20-40 %



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# بعض الوثائق الأصلية تالفة



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بالرسالة صفحات  
لم ترد بالأصل

*Ain Shams University*  
*Faculty of Engineering*  
*Department of Design and Production Engineering*

## **Facility Layout With Multiple Objectives**

*By*

**Eng. HATEM A. MAHMOUDI**

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Date : 1 / 9 / 96

*Ain Shams University*

*Faculty of Engineering*

*Department of Design and Production Engineering*

## **Facility Layout With Multiple Objectives**

*By*

**Eng. HATEM A. MAHMOUDI**

B. SC. Tishreen University, Syria. 1985.

Department of Mechanical Engineering

### **A THESIS**

Submitted in partial fulfillment of the requirement

for the degree of Master of Science

in Mechanical Engineering (Production)

**Cairo 1996**





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Supervised by

Prof. Dr. **S.Z. ABD-EL-BARR**

**Cairo 1996**

## Statement

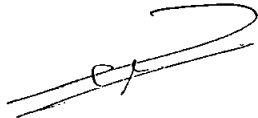
This dissertation is submitted to Faculty of Engineering, Ain Shams University for the Master degree of Science in Mechanical Engineering (Production).

The work included in this thesis was carried out by the author in the Department of Design and Production Engineering, Ain Shams University, from January 1994 to March 1996.

No part of this thesis has been submitted for a degree or a qualification at any other University or Institution.

Name : Hatem. A. Mahmoudi

Signature :

A handwritten signature in black ink, consisting of a stylized 'H' followed by a long horizontal stroke that curves upwards at the end.

Date : 1 . 9 . 96



## **ACKNOWLEDGMENT**

*I would like to thank Prof. Dr. S.Z. ABD-EL-BARR, for his continuous guidance, great supervision, encouragement throughout the whole work and sincere efforts .*

*I also express my deep thanks to the Ain Shams University and Department of Design and Production Engineering for giving me the chance to do my research.*

*I also express special thanks to the staff of the Department of Design and Production Engineering for their personal help.*

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