ACKNOWLEDGEMENT

I have been gained a great deal in this project. We are fortunate again to have an excellent group of supervisors and of other engineers who contributed significantly until the project is completed.

I want to thank them for a job done well. They are: Doctor Elkhawad Ali, Co- ordinator of the MSC program; Engineer Khalid A. AIi , Assistant of General Manager for technical in Yarmouk Industrial Complex; Engineer Habib Khatab, Design Section,and our thanks to all colleagues in the tools and dies factory,special thanks to my friend Engneer Sami Salah Abdelrahman.

Special thanks send to Doctor Abd Elfattah Bilal Abdelslam who is a direct supervisor for this project and he assist me with advice at all the steps of this project and finally he did review all project. We say to him again. Thanks for your assistant.

Finally, I am extending our thanks to all people at yarmouk Industrial complex for all of their effort and support.

ABSTRACT

Drawing is the most important issue in design, since it is used in communicating the design to the production staff.

Due to the above reasons we prepare a program in side the AutoCAD (customize AutoCAD program) this program were designed using AutoLISP language to draw the main standards parts of the dies. The customized AutoCAD program was used in Yarmouk Industrial Complex in the Tools and Dies Factory section of die design and in the technical department.

These customize AutoCAD program used in Yarmouk Industrial Complex and gave a good result, which enhanced the production in the said departments.

LIST OF ABBREVIATIONS

Abbreviation

2D	Two-dimensional
3D	Three-dimensional
Visual LISP	Visual List Processing
AutoLISP	Auto List Processing
OSNAP	Object Snap
DOS	Disk Operating System
OS2	Operating systems second generation
Non-GUI	Non-Graphical User Interface
GUI	Graphical User Interface
AI	Artificial intelligence
NIL	New Implementation of Lisp
LOOPS	Lisp Object Oriented Programming System
PSL	Portable Standard Lisp
DCL	Dialog Control Language
ADS	AutoCAD Development System
ARX	AutoCAD Runtime Extension
TDF	Tools and Dies Factory
MNC	Compiled Menu File
MNR	Resource Menu File
MNS	Source Menu File
COMDEX	Computer Dealer Exhibition
NT	New Technology
Xlisp	Dialect Of LISP
UCS	User Co ordinate System
DCL	Dialog Control Language
ADE	Advanced Modeling Extension
LW	Light-Weight
DIMASSOC	Dimensions Associative