

Dedication

- To each beginning there is an end, and the good think at the end is the success *and get the aim.*
- I dedicate this modest work , the result of long time of work :
- To Who deserve more than my recognition, my gratitude, my big respect and love, to who bring ever for me support and happiness in the life :
- It's for you my deer and respectful parent, the most close and deer to my hart , you who cover me by noble feeling.
 - For you my dear brothers :Oussama, Ayman and Moad ; for my dear sisters specially Rihab and Rawan.
- To all MIMOUNI family
- To persons who I can never forget them, to my friends : Imad , Smail , Sadek , Hamza ,Sofian.
- I dedicate my work to everybody how has work to help me during all my life, in any steps in my life, those how touch me from the primary till the day.
- To mister BAJODA Ahmad ,to people of department of mechanic engineering
- To all my class promotion of 2015 .

MIMOUNI Salaheddine

