ARAB ACADEMY FOR SCIENCE, TECHNOLOGY AND MARITIME TRANSPORT (AASTMT)

College of Engineering and Technology

Department of Computer Engineering

CONTOURLET-BASED INTEGRATED FRAMEWORK FOR COMPUTED AIDED DIAGNOSIS OF DIGITAL COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE MEDICAL IMAGES

By

RANA MOHAMED SALEM

A thesis submitted to AASTMT in partial

Fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE

in

COMPUTER ENGINEERING

Supervised By

Prof. Dr. Ezzat Korany

Information Technology Department

Institute of Graduate Studies & Research

Alexandria University

Assoc. Prof. Dr. Sherin M. Youssef

Computer Engineering Department

Arab Academy for Science,

Technology and Maritime Transport

2011

ACKNOWLEDGMENT