ALEXANDRIA UNIVERSITY
FACULTY OF ENGINEERING

# CERTIFICATE

## To Whom it May Concern

This is to Certify that Eng.   Dr. Shymaa Mohamed Arafat Hussain

born in        Malizia        on   25 /   7 /   1972  has obtained the degree of   Ph.D.

in Engineering   Computer Science & Automatic Control

in        July 2001 .  The title of the thesis is :

**Operating on Optimal Binary Code Trees**

Date   27 /   8 /   2008

Registrar
Eltham

Dean

Prof. Dr.   Essam Ahmed ElKor