

Kingdom of Saudi Arabia

Ministry of Education

Umm Al-Qura University

Colleage of Computer and Information Systems

Department of Computer Science and Engineering

Design and Implementation of a Compact

 $GF(2^m)$ Optimal Normal Basis Field Arithmetic Unit

MASTERS DEGREE

ΒY

HUSAM IBRAHIM RASHAD ALDOOBI

43580349

UMM ALQURA UNIVERSITY

SUPERVISED BY

Prof. Turki Al-Somani

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