



Sudan University of Science & Technology
Collages of Graduate Studies



Offline Recognition System for Isolated Arabic Handwritten Characters using Hidden Markov Models

نظام القراءة الآلية للحروف العربية غير المتصلة المكتوبة يدوياً باستخدام
نماذج ماركوف المخفية

A Thesis Submitted in Fulfillment of the Requirements for the Degree
of Doctor of Philosophy in Computer Science

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