

بسم الله الرحمن الرحيم

Sudan University of Science and Technology

College of Postgraduate Studies

**Failure Detection and Identification (FDI) for
Internal Combustion Engine Using Soft Computing**

**إكتشاف و تشخيص أخطاء ماكينة الاحتراق
الداخلي بإستخدام الحساب المرن**

A Thesis Submitted for Partial Fulfillment for the Requirements Degree of
M.S.C. in Microprocessors and Electronic Control

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