



Sudan University of Science and Technology
College of Graduate Studies

PLC BASED FIRE-FIGHTING PUMPS CONTROL

التحكم في طلمبات أنظمة الحريق باستخدام المتحكمات المنطقية
القابلة للبرمجة

A Thesis Submitted in Partial Fulfillment of the Requirements
for the Degree of M.Sc. in Mechatronics Engineering

Submitted by:

LOAI MOHAMED ALGAILI BABIKER

Supervised by:

Dr. ALAA ELDEEN AWOUDA

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