Sudan University of Science and Technology College of Graduate Studies

Iron Manufacture Process Automation

التحكم في صناعة الحديد باستخدام المتحكم المبرمج (PLC)

This Thesis is Submitted in Fulfillment of the Requirement

For the Degree of Master in Computer Engineering

To the college of Graduate Studies

By

Elrasheed Elmasalami Musa Mustafa

Supervisor:

Dr. Abdul Rasool Jabar Al-zubaidi August 2009