

جامعة السودان للعلوم والتكنولوجيا

**SUDAN UNIVERSITY OF SCIENCE  
AND TECHNOLOGY**

**COLLEGE OF GRADUATE STUDIES**

**Analysis and Design of Microcontroller Based  
Modbus Controller**

**تحليل متحكم مودبص وتصميمه  
باستخدام متحكم دقيق**

A Thesis Submitted in Partial Fulfillment to the Requirements for  
the Degree of M.Sc. in Electrical Engineering  
(Microprocessor and Electronic Control)

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