

بسم الله الرحمن الرحيم



**Sudan University of Science and Technology**

**Faculty of Post Graduated Studies and Scientific Research**

**MSc- Program in Computer Engineering**

**Dual axis sun tracking system**

**Using PID controller**

**نظام تتبع الشمس ذو المحاورين باستخدام المتحكم**

**PID**

A Research Submitted in Partial fulfillment for the  
Requirements of M.Sc. in Electronics Engineering  
(Computer Engineering)

Proposed By : Adil Akasha Mohamed

Supervised By : Dr. Ala-Aldin Awouda

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