

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

**SUDAN UNIVERSITY OF SCIENCE & TECHNOLOGY  
SCHOOL OF MECHANICAL  
ENGINEERING  
DEPARTMENT OF PRODUCTION**



**DESIGN, MODELING AND SIMULATION OF  
WINDMILL FOR RURAL AREAS**

**A Project Submitted in Partial fulfillment for the Requirement of  
the Degree of B.Sc. (Honor) In Mechanical Engineering**

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