## SUDAN UNIVERSITY OF SCIENCES AND TECHNOLOGY COLLEGE OF GRADUATE STUDIES

Design and Implementation of

Microcontroller-Based Electronic Stethoscope

تصميم وتنفيذ سماعة طبية إلكترونية باستخدام المتحكم الدقيق

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

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