

بسم الله الرحمن الرحيم

Sudan University of Science and Technology

College of Graduate Study

Department of Biomedical Engineering

Submitted in partial fulfillment of the requirement of M.Sc. Degree in Biomedical
Engineering

**Analysis of Electrocardiograph (ECG) signals for Detection of
Cardiac Arrhythmia Using Artificial Neural Networks(ANNs)**

تحليل إشارات التخطيط الكهربائي للقلب لكشف اضطراب ضربات القلب باستخدام الشبكات العصبية
الاصطناعية

Submitted by:

Samah Haydar Yaseen Awadalseed

Supervised by:

Dr. Zeinab A. Mustafa

Feb 2018