SUDAN UNIVERSITY FOR SCIENCE AND TECHNOLOGY



COLLEGE OF GRADUATION STUDIES & SCIENTIFIC RESEARCH

TITLE:

Appropriateness of Six Sigma Model to Quality Management in Medical Imaging Departments

ملاءمة منظومة سيجما لإدارة الجودة في أقسام التصوير الطبي التشخيصي

Thesis submitted for the award of Doctorate of philosophy in Medical Imaging
Technology

By : Mohamed Ahmed El-Sheikh

Bachelor of Science (BSc) diagnostic radiography, Master of Science (MSc) Medical imaging

Supervised by : Professor Shamboul Adlan,

Dean College of Engineering, Al-Mougtarebeen University

Co-supervisor: Dr. Al-Nuzier Osman, College of Engineering,

Sudan University for Science and Technology

September 2012