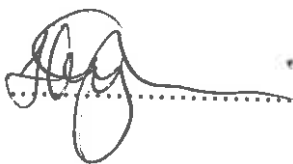


Declaration

I declare that this thesis is my own unaided work. It is being submitted to the Degree of Doctor of Philosophy to the University of the Witwatersrand, Johannesburg. It has not been submitted before for any degree or examination to any other University.

A handwritten signature in black ink, consisting of a stylized, cursive name followed by a horizontal line that ends in a small dot.

21.....day of January, year.....2019...