

UNIVERSITY OF THE WITWATERSRAND

MASTERS DISSERTATION

---

**Automated Quantitative Discrimination of  
Parkinson's Disease Stages using Signal  
Processing and Machine Learning**

---

*Author:*

Nabeel SEEDAT- 719484

*A Dissertation submitted in fulfillment of the requirements  
for the degree of Master of Science*

*in the*

Signal Processing Research Group  
School of Electrical and Information Engineering

January 2019



The financial assistance of the **National Research Foundation (NRF)** towards this research is hereby acknowledged. Opinions expressed and conclusions arrived at, are those of the author and are not necessarily to be attributed to the **NRF**.