

https://dspace.org/

Using market preference analytics to maximise plant utilisation leading to flexible manufacturing system design and operations in the FMCG industry

Vuyelwa, William Khanyiso

2021
https://hdl.handle.net/10539/33380

Downloaded from a DSpace repository. https://dspace.org/

USING MARKET PREFERENCE ANALYTICS TO MAXIMISE PLANT UTILISATION LEADING TO FLEXIBLE MANUFACTURING SYSTEM DESIGN AND OPERATIONS IN THE FMCG INDUSTRY

William Khanyiso Vuyelwa

Supervisor: Professor Rajenlall Siriram

A research report submitted to the Faculty of Engineering and the Built Environment, University of the Witwatersrand, Johannesburg, in partial fulfilment of the requirements for the degree of Master of Science in Engineering.

Johannesburg, 2021

DECLARATION

I, William Khanyiso Vuyelwa, declare that this research report is my own unaided work, except as indicated in the references and

acknowledgements. It being submitted to the Degree of Master of Science in Engineering to the University of the Witwatersrand, Johannesburg. It has not been submitted before for any degree or examination to any other

University.



Willliam Khanyiso Vuyelwa

Signed at Roodepoort

On the **18th** day of **October** 2021