

UNIVERSITY OF THE WITWATERSRAND

DOCTORAL THESIS

**Symbol Flipping Decoding of Non-binary Low
Density Parity Check Codes**

Author:

Waheed ULLAH

*A Thesis submitted in fulfilment of the requirements
for the degree of Doctor of Philosophy*

in the

Center for Telecommunications Access and Services
School of Electrical and Information Engineering

April 2022



The financial assistance of the **Telkom** South Africa and **Sentech SOC LTD** towards
this research is hereby acknowledged.