

UKZN Big Data for Science and Society (BDSS) Flagship Project

PhD Scholarship

UKZN Big Data for Science and Society (BDSS) Flagship Project is offering a PhD scholarship in Computer Science/Computer Engineering. The candidate will undertake research within a multidisciplinary project on Big Data and Machine Learning for Scientific and Societal Impact funded by the UKZN Flagship Initiative. The ideal candidate will need to show a distinct interest and passion to work in a highly interdisciplinary/transdisciplinary collaborative environment and have a strong background in Computer Science or Computer Engineering with a particular focus on Artificial Intelligence and Machine Learning.

The **Big Data for Science and Society (BDSS) Flagship Project** is an ambitious project to initiate multi-disciplinary and cross-college collaboration on big data focused research projects for scientific and societal impact.

The research project, which will be developed in collaboration with the successful candidate, will aim to develop novel machine learning and big data techniques that can be applied to large datasets and used to tackle prospective big data research projects that exist across a wide range of disciplines. These techniques will be applied to existing big datasets and to prospective datasets in emergent big data disciplines. In particular, the project will develop new models and tailored methods in Artificial Intelligence (AI), Machine Learning (ML), Computer Vision (CV), Agent Modelling and Computational social sciences for dealing with big data challenges.

Successful applicants will be expected to work with a large team of scholars, postdoctoral fellows and postgraduate students as well as stakeholders from other research institutes.

MINIMUM REQUIREMENTS: PHD

- Applicants need to have completed an MSc in Computer Science or Computer Engineering or related discipline.
- An up to date academic record of all qualifications obtained.
- A detailed recent curriculum Vitae (CV)
- Letter of motivation indicating suitability for position and area of specialization;
- Certified copies of all Degree certificates.

For enquiries kindly write to Prof Serestina Viriri (viriris@ukzn.ac.za) or Prof Jules-R Tapamo (tapamoj@ukzn.ac.za)

The closing date for receipt of applications is 15 May 2019.

Completed applications may be sent to Professors Viriri or Tapamo at the addresses above with the subject line: BDSS PhD Application.