



# RESEARCH OFFICE

## POST-DOCTORAL RESEARCH FELLOWSHIP IN DATA SCIENCES (2024 - 2025)

The Research Office at Sol Plaatje University, Kimberley, South Africa, invites applications from suitably qualified candidates for a postdoctoral fellowship position in the Faculty of Natural and Applied Sciences in the Centre for Applied Data Science (CADS). The successful candidate is expected to contribute positively to various interdisciplinary research projects by applying cutting-edge data science approaches, methods, and applications.

### Applied Data Sciences (Reference No. PD/03/2024)

#### Description of planned research

The planned research will focus on utilising large datasets for multiple studies across different domains. The fellow will be involved in all aspects of data wrangling, including data acquisition, cleaning, feature engineering, and data analysis. They will also be expected to develop and implement machine learning and natural language processing models to extract meaningful insights from the data. This fellowship offers an exciting opportunity to work on cutting-edge research projects and collaborate with leading researchers across multiple fields within the Faculty of Natural and Applied Sciences and domain experts from other non-science disciplines. The successful candidate will have the chance to publish their findings in high-impact journals and conferences.

#### Minimum requirements:

- PhD degree in Data Science, Computer Science, Information Systems, Mathematical Sciences, or Engineering.
- Experience in data science methodologies, including data design, curation, cleaning, and analysis.
- Coding experience in languages such as R or Python, and familiarity with other data analysis tools and libraries.
- Ability to apply machine learning, deep learning, and natural language processing techniques across different use cases.
- Evidence of publications in accredited journals indexed in the Web of Science.
- Open to all South African and Foreign nationals for full-time research at the Sol Plaatje University.
- The candidate must have completed their doctoral studies within the past five years in the fields relevant to the position.
- Successful applicants may not hold full-time salaried employment during the fellowship.
- Applicants who are selected for the fellowship must be able to relocate to the SPU for the full length of the award. This is a residential fellowship, which means that the recipient is obligated to spend at least 80% of their postdoctoral stay at SPU.

**Bursary value: The fellows will receive a flat rate, a tax-free bursary of R280 000 for one year (to cover living expenses) and R40 000 additional research expenses fund. The fellowship is awarded for a period of one year with an option of renewal subject to availability of funding and a satisfactory annual performance review.**

### Application Procedure

Each application is to be accompanied by a completed application form (see link below) and the following supporting documents:

- a full curriculum vitae
- certified copies of ID document/passport
- certified copies of academic record
- two letters of reference
- a brief description of proposed research

[Click here to download the application form.](#)

**Proposed starting date: 01 June 2024**

Applications and supporting documentation to be sent to the following email address [post.doctoral@spu.ac.za](mailto:post.doctoral@spu.ac.za) with "Research Office Post-Doctoral Fellowship + PD/03/2024" in the subject line.

#### Contact details

For questions regarding the application process, project, or academic queries: [post.doctoral@spu.ac.za](mailto:post.doctoral@spu.ac.za)

**Applications close: 20 May 2024**

*Sol Plaatje University and the Research Office reserve the right not to fill this fellowship if no suitable candidates are identified. If no response has been received within 21 days of the closing date, candidates may assume that their applications were unsuccessful.*