



SEFAKO MAKGATHO HEALTH SCIENCES UNIVERSITY

OFFICE OF THE DEPUTY VICE-CHANCELLOR: ACADEMIC AND RESEARCH

CENTRE FOR UNIVERSITY TEACHING AND LEARNING (CUTL)

Sefako Makgatho Health Sciences University (SMU) is on a renewal path with exciting and unique opportunities to shape the training of medical and other health professionals, and scientists in general. We are on a vigorous campaign to attract top talent to join our exciting journey, as reflected in the opportunities below:

INTERNSHIP

RESEARCH & DATA ANALYTICS (2 POSTS)

6 Months contract

Start date: 01 July 2024 - 31 December 2024

Ref: CUTL/Intern/1

Mindful of the prevailing socio-economic conditions in South Africa, and in support of the national transformation agenda, Sefako Makgatho Health Sciences University (SMU) would like to provide internships to deserving young unemployed citizens. In this way, SMU hopes to provide experience to young South Africans, and give them the opportunity to be employable and to compete in the job market. The incumbents will be exposed to gaining experiential learning in the field of Research and Data Analytics and they must meet the requirements and competencies, and be responsible for the key performance areas listed below:

REQUIREMENTS

- Honors degree majoring in Computer Science with data science/ Computer Science with Artificial Intelligence/ Computer Science & Mathematics or Statistics/ Data Science / Data Analytics / Business Intelligence
- Master's and PhD will be an added advantage
- Knowledge of programming languages and frameworks such as Python/R, .Net, and SQL
- Knowledge of data analysis, modelling and data visualization
- Knowledge of Business Intelligence tools
- Knowledge of Database Management
- Experience in reporting and administration work
- Must be computer literate: MS Word, Excel, PowerPoint, Access/Database, Internet, e-mail
- Competency assessment will be conducted

COMPETENCIES

- Technical/ professional knowledge and skill
- Strong project management skills
- Excellent communication skills in writing, speaking and preparing presentations.
- Excellent problem-solving skills
- Ability to work independently and collaborate effectively within a team.
- Decision-making and problem solving
- Professional and ethical standards

KEY PERFORMANCE AREAS

- Provide high-quality data analytics support for the SMU Siyaphumelela project.
- Plan and implement research projects, ensuring timely and efficient execution.
- Conduct data collection and validation to ensure accuracy and reliability of data.
- Develop data visualization dashboards to effectively communicate research findings.
- Select and apply appropriate statistical methods for data analysis.
- Advise on optimal data collection methodologies to enhance data quality.
- Compile comprehensive research reports summarizing findings and recommendations.
- Utilize machine learning techniques and predictive analytics to support advanced data analysis.

Closing date: 19 June 2024

Typed application documents with the ref number which should contain comprehensive curriculum vitae, certified copies of all qualifications, **clear academic record** and contact details of three referees, should be forwarded for the attention of Mr Stanley Lekata to stanley.lekata@smu.ac.za, for further information he can be reach on 0125213696 or email: stanley.lekata@smu.ac.za.

**All prospective candidates will be subjected to a competency assessment
Successful candidates should be available for duty on the 1 July 2024.**