

**GEOGRAPHIC INFORMATION SYSTEMS (GIS) OFFICER
DIAGNOSTIC & ANALYTICAL RESOURCE UNIT (DARU)
GRADE C2**

The Diagnostic and Analytical Resource Unit (DARU) of the South African Sugarcane Research Institute (SASRI) has a vacancy for the position of GIS Officer. The overall purpose of the position is to provide a GIS technical service to SASRI Research and related functions and to maintain the ArcGIS Server, Arc Image Server, the Relational Database using Postgres or SQL and the web publishing environment.

The position of GIS Officer will be based in Mount Edgecombe and the key performance areas in this role will be:

- Liaising with the GIS Specialist and all stakeholders in understanding stakeholder and client needs
- Ensuring the database is current and up to date and all projections are correct for newly produced GIS data in the ArcGIS server
- Interacting with specialist service providers to obtain solutions relating to GIS software or hardware performance problems
- Attending to administrative applications relating to the authorisation, de-authorisation and the upgrading versions of licenses
- Creating and maintaining relational database using Postgres for GIS
- Creating and publishing map packaging and services for the GIS office, extension and researchers
- Assisting in creating and maintaining permissions to the database for the multiusers
- Liaising with the GIS Specialist and all stakeholders in installation and configuration of GIS software, and updating of data on the WebGIS and attends to the publishing of data in the Web environment
- Formulating and generating GIS models to serve as reference for the sugar industry to depict specific trends, relationships and solutions
- Running Topology rules on the database to maintain database integrity
- Performing routine remote sensing analysis and associated field work together with the GIS Specialist

The successful incumbent must be in possession of:

- Bachelor of Science Honours in Geography, Environmental Sciences or any related field
- 2-3 years experience in ArcGIS server administration or geo-database management, and ArcGIS suit.
- Experience in remote sensing software (Idrisi, ERDAS, or ENVI)
- Extensive experience in Microsoft Office suit
- One year experience in the use of scientific/ professional GPS technology.
- A valid Driver's License (Code 08)

To apply, please apply on-line via the job portal on the SASA website <http://www.sasa.org.za/careers/Vacancies>
Closing date for applications is 26 April 2018.

SASA reserves the right to consider applications received after this date but will not be obliged to do so.

Kind Regards

Samukelisiwe Shange

HR Officer

South African Sugar Association

Telephone: 031 508 7506
E-mail: samukelisiwe.shange@sugar.org.za
Website: www.sasa.org.za

SASRI

170 Flanders Drive, Mount Edgecombe
Private Bag X02, Mount Edgecombe
KwaZulu-Natal
4300