

# GIS Specialist

GIS Specialist

Giant Construction and Engineering Company in Johannesburg

Geographical information systems officers carry out the collection and analysis of geographical data generated by geographical information systems (GIS). GIS data has multiple applications in various areas, such as defence, meteorology, oil, gas, telecommunications and transport.

Examples of geographical information systems include global positioning systems, radar, sonar and various other types of sensor equipment. Information collected from these sources is studied and analysed with the help of I.T. systems and applications.

Essentially, geographical information systems officers collect physical and numerical data using various tools and pieces of equipment, such as global positioning systems (GPS) and depth sensors.

They then convert this information into digitised datasets and analyse the stored information with the help of computer applications and statistical models. This allows them to generate meaningful and relevant conclusions that can influence all kinds of major decisions.

\*Masters or Bachelors degree

\*Professional Registration

\*Must be proficient with GIS Software

\*Must be able to use GIS Products according to the companies requirements

- Lead in the design and development of enterprise geographic information systems which may link facility maps with data to produce maps.
- Write programs and develop user interfaces, menus, and macro-level commands to meet high priority GIS staff needs.
- Recommend and establish standards and procedures to deal with production of high priority data, maps and services.
- Lead response for emergency or high priority mapping projects to produce quality products.
- Manage and administrate the GIS computing infrastructure.