Department of Geomatics and Land Management

Makerere University
About Makerere University

- Established in 1922
- Premier University in the region and country
- Student Population of about 40,000
- Famous Alumni Across the region
- Top 10 University in Africa across different rankings
- Collegiate University
About CEDAT

- College of Engineering, Design, Art and Technology
- School of
  - Engineering
  - MTSIFA
  - School of the Built Environment
    - Architecture and Physical planning
    - Construction Economics and Management
    - Geomatics and Land Management
- Leading in innovation, research, scholarly work
Academic Programmes

- Several CPDs
- 4 yr BSc. Land Surveying and Geomatics
- 2 yr MSc. GIST
- PhD
Collaborations

• Eastern African Network of Land Administration
• UnivGisKoop
• SERVIR Eastern & Southern AFRICA
• Geo Gecko
  geointelligence excellence in Uganda and beyond
• youth mappers
• Sida
• EAMNet
  Europe-Africa Marine EO Network
• RCMRD
• GMES AND AFRICA
Examples of Research Carried Out

- Ground Deformation Monitoring of the Albertine Graben Using InSAR – Case Study of Bulisa Discovery Area
- An Investigation Into Adoption Of Geographical Information Technologies In The Road Sector Of Uganda’s Local Government
- Spatial Analysis of Cervical Cancer and Correlated Factors in Uganda
- Exploring PGIS as a community planning and service gap analysis tool in Uganda
- Improving Satellite Based Monitoring of the Trophic Status of Lake Victoria
- Using Total Nighttime Light Satellite Imagery as a proxy measure for Economic Activity in Uganda
- Geoinformation based methods of determining Ecosystem services
- Modelling Ground deformation in Bududa using InSAR
Other Activities

- Biennual Conference on Advances of Geomatics Research – Next one due in 1st – 2nd August 2019
- Outreach to schools
The University GIS Center

- University-wide facility
- To facilitate graduate research in Geospatial across the University
- Also carries out
  - Training
  - Consultancy
  - Outreach