KU GIS: Campus Mapping
Using GIS to make informed decisions on Campus

Kenyatta University
A Geospatial University

GIS EDUCATION USERS CONFERENCE –
University of Dar es Salaam  20\textsuperscript{th} – 21\textsuperscript{st} Nov. 2014

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GIS EDUCATION USERS CONFERENCE – University of Dar es Salaam 20th – 21st Nov. 2014

• 18th Nov. 2014: GIS Day at Kenyatta University
• 12 KU Participants registered online (4 students, 8 staff)
• 8 Participants self-sponsored to participate (5 staff, 3 students (2 students left behind because of late arrival at bus stop)
• ESRI EA waived the registration fees for KU participants
<table>
<thead>
<tr>
<th>Current Time</th>
<th>Event Description</th>
<th>Details</th>
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<tbody>
<tr>
<td>Invited Speaker 1 Opening Dept. of Resource Surveys and Remote Sensing (DRSRS)</td>
<td>Dr. James Kinyanjui (for Director)</td>
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<tr>
<td>GIS lecture 1: Earth Observation Unit in ICIPE</td>
<td>Dr. Elfatih Abdel-Rahman (for ICIPE CERNVec project)</td>
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<td>GIS lecture 2: ESRI East Africa – GIS for everyone</td>
<td>Pauline Okeyo, Solutions Engineers for Natural Resources</td>
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<td>GIS lecture 3: Regional Centre for Mapping of Resources for Development RCMRD Server programme</td>
<td>Eunice Wangui (GIS and Database Application), Shannon Sarbo and Wahu Mbatia (SERVIR – E.&amp;S. Africa)</td>
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<tr>
<td>GIS Application Map Stories and GIS Day Video Presentations</td>
<td>Seminar Room 014 (Solomon Mwenda and Anthony Gakobo)</td>
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<td>Exhibition/Posters by students and staff</td>
<td>Awarding of 5 best posters and closing ceremony</td>
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GIS Day at Kenyatta University
ARCGIS TRAINING USING ARCGIS (APPLICATIONS)

Elements and stages of a GIS, Spatial data organisation & management

Creation of Personal Geo-database & Feature classes.

Introduction to GPS, Collecting and integrating field data using GPS.

Field GPS Exercise

Downloading GPS data and processing

Designing of the Geo-database and populating with data collected from the field (KU Features).

Processing and analysing raster data- transformations, geo-referencing.

Creating and editing features, editing attribute tables in ArcMap, digitization from geo-referenced images.

Performing analysis - GIS analysis process: Geo-processing

Working with tables – tabular data sources, joining and relating tables, spatial query, creating output from tables.

Populating geodatabases and feature classes

Image stacking and unsupervised classification using ENVI 5.1.

Supervised classification using ArcMap 10.1, Map Presentations & production.
Collecting field data of various features & Utilities in KU
The KU GIS Map For Planning

- Putting together the KU Master Plan
- Posting on KU Website for student use
- Posting on the walls of the new KU Campanile
Thank you

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