MARY MUTHEE

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Personal profile

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Experience

1.Geospatial Sciences students Association (Youth mappers chapter at Technical University of Kenya)

 Chapter Chairperson   January 2022-Date

- Trained students on spatial analysis, mapping and downloading data on OpenStreetMap plugin using QGIS from January-March.
- Implemented continuous trainings on AUTOCAD and R-programming language which happened twice per week from April-June. Students got introduced to spatial analysis and mapping using different packages in R-studio.
- Organized the first networking event for students, where we were able to partner with several organizations to sponsor the event.
- Developed and implemented a social media strategy to increase awareness of the Youth Mappers chapter; created the first social media account for the chapter on LinkedIn (Geospatial Sciences Students Association) where the engagement has been growing at a rate of 80% for the past 5 months.

2.We-Mappers Ladies Geospatial Community

 Vice president   October 2021-March 2022

- Hosted a webinar on empowerment of ladies in geospatial technology. Managed to get three speakers and around 40 participants.
- Held the third GeoTalk in honor of GIS Day 2021. The talk had three speakers with 33 participants.
- Held a webinar on the use of programming tech in geospatial field. The webinar had two speakers with more than 50 participants.
- Developed its first social media profile on Instagram (wemappers_ladies)

3.Student Intern at Geopsy Research   **January 2021-Date**

I participated and did the following projects

- Technical University of Kenya digitization using aerial imagery, created its static map and web map using Qgis2Web tool in QGIS.
- Use of GIS in disaster risk management specifically a case study of earthquake in Izmir, Turkey where I produced the maps and analysis using QGIS.
- Created an interactive web map showing covid-19 vaccination uptake in Kenya using leaflets in R-studio
- Crime mapping and analysis in UK using QGIS and interactive web map

- A research paper on Assessing spatial equity in the distribution of police stations in Kenya which is still underway.

4.**Participated in the Open Mapping Hub event which was held on 7ᵗʰ May 2022**

- Got introduced to OpenStreetMap mapping tools
- Remote mapping using the tasking manager, ID editor and JOSM
- Did field mapping in Kilimani, Kenya with open mapping tools

Education

1.The Technical University of Kenya

- **2019-Date:** Bachelor of Applied science (Geoinformatics)

2.Mugoiri Girls High School

- Kenya Certificate of Secondary Education

Skills

1. Using GIS software ArcGIS and QGIS for data analysis and mapping.
2. Coding in R, python, HTML, CSS,
3. Mobile-based data collection
4. MS-office (word, Excel, Microsoft Access)
5. OpenStreetMap mapping tools; ID editor, JOSM

Referees

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