



Regional Centre for Mapping of Resources for Development

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VACANCIES ANNOUNCEMENT

The Regional Centre for Mapping of Resources for Development (RCMRD) is an Intergovernmental organization that provides services in surveying, mapping, remote sensing, GIS, and ICT to its Member States, partners, and clients. It currently has twenty Member States in the Eastern and Southern Africa Region.

Our Mission is “To Strengthen the Member States and Our Stakeholders' Capacity Through Generation, Application, And Dissemination of Geo-Information and Allied Technologies for Sustainable Development”.

Through the Regional Centre Training Institute (RCTI), RCMRD offers Diploma (Level 6), Certificate (Level 5), and short professional and certification courses. To deliver high-quality, industry-oriented and internationally benchmarked training, RCTI engages qualified part-time lecturers and professional facilitators with strong academic credentials, relevant industry experience and practical expertise.

RCMRD therefore invites suitably qualified and experienced professionals to apply for inclusion in the RCTI database of Part-Time Lecturers and Professional Training Facilitators in the following areas:

1. GEOGRAPHIC INFORMATION SYSTEMS (GIS) AND REMOTE SENSING (RS)

Academic Qualifications

Applicants should hold at least a **Bachelor's Degree** in Environmental Science, Environmental Management, Natural Resources Management, Geography, Ecology, Forestry, Disaster Management, Emergency Management, Geomatic Engineering, Geospatial Engineering, Surveying, Remote Sensing, Geographic Information Systems (GIS), Geoinformatics, Cartography, Computer Science, Information Technology, Statistics, Data Science, Mathematics, Artificial Intelligence, Geology, Hydrology, Public Health, Environmental Health, Epidemiology, Meteorology, Climate Science, Atmospheric Science, Geodesy, Civil Engineering, Transportation Engineering, or any other relevant field.

Professional Experience

Applicants should have a **minimum of two (2) years of relevant professional and/or industry experience** in GIS, Remote Sensing, geospatial technologies, environmental management, disaster management, data science, engineering, or a related field.

Professional Qualifications and Skills

In addition to the academic qualifications, applicants should possess relevant professional certifications and/or demonstrate competency in areas including:

- Environmental Impact Assessment (EIA) and Strategic Environmental Assessment (SEA)
- Environmental Auditing and Occupational Health and Safety (OHS)
- Climate Change Adaptation and Mitigation
- Disaster Risk Reduction (DRR) and Humanitarian Response
- Emergency Preparedness and Incident Command Systems (ICS)
- Early Warning Systems, Risk Assessment and Vulnerability Mapping
- UAV Mapping and Drone Operations
- Digital Photogrammetry and LiDAR Processing
- Satellite Image Analysis and Remote Sensing
- ArcGIS Pro, QGIS, Google Earth Engine and spatial analysis
- Geospatial Data Management and Earth Observation Applications
- Python, R, ArcPy and GeoPandas
- Spatial Statistics, Machine Learning, Deep Learning and GeoAI
- Computer Vision and Earth Observation Analytics
- TensorFlow and PyTorch
- Cloud Computing and Big Data Analytics
- PostgreSQL/PostGIS, SQL Server and Oracle Spatial
- Enterprise GIS, Web GIS and GeoServer
- Spatial Data Infrastructure (SDI) and Database Administration
- Natural Resource, Forestry, Biodiversity and Ecosystem Mapping
- Health GIS, Disease Surveillance and Spatial Epidemiology
- Climate Data Analysis, Weather Forecasting and Climate Modelling
- Geodesy, GNSS Applications and Atmospheric Monitoring
- BIM, Infrastructure GIS, Transportation Planning and Utility Mapping
- Surveying, Smart Cities and Asset Management Systems

Other recognized professional certifications and competencies relevant to geospatial, environmental, disaster management, data science, engineering or related disciplines will be an added advantage.

2. GEOMATICS ENGINEERING (LAND SURVEY)

Academic Qualifications

Applicants should hold at least a **Bachelor's Degree** in Geomatics, Geographic Information Systems (GIS), Geospatial Engineering, Civil Engineering, Architecture, Construction Management, Valuation, Land Administration, Land Economics, Urban and Regional Planning, Quantity Surveying, Law, or any other relevant field.

Professional Experience

Applicants should have a **minimum of two (2) years of relevant professional and/or industry experience** in land surveying, geomatics, geospatial engineering, land administration, construction, architecture, valuation, or a related field.

Professional Qualifications, Skills and Membership

Applicants should have relevant professional registration, membership and/or industry-recognized certifications. Membership with relevant professional bodies, including the **Institution of Surveyors of Kenya (ISK)** or **Law Society of Kenya (LSK)**, where applicable, will be highly desirable.

Relevant competencies and certifications may include:

- Cadastral Surveying
- Engineering Surveying
- Control Surveying
- Sectional Property Surveys
- GIS and Spatial Databases
- Enterprise GIS Platforms
- Esri Technical Certifications
- QGIS and Database Administration
- Autodesk Civil 3D Certification
- ArchiCAD Certification
- Building Information Modelling (BIM)
- Autodesk Certified Professional (ACP) in Revit
- Other recognized certifications relevant to architecture, engineering, surveying, geospatial technologies, construction and related disciplines

3. INFORMATION AND COMMUNICATION TECHNOLOGIES (ICT)

Academic Qualifications

Applicants should hold at least a **Bachelor's Degree** in Computer Science, Software Engineering, Information Technology, Data Science and Analytics, Artificial Intelligence, Cybersecurity, Digital Forensics, Information Systems, Computer Engineering, Network

Engineering, Cloud Computing, Business Information Technology, Information and Communication Technology (ICT), Systems Engineering, Telecommunications Engineering, Web and Mobile Application Development, or any other relevant field.

Professional Experience

Applicants should have a **minimum of two (2) years of relevant professional and/or industry experience** in ICT, software development, data science, artificial intelligence, cybersecurity, networking, cloud computing, systems administration, digital technologies, or a related discipline.

Professional Qualifications and Skills

Professional certification and demonstrated competency in areas including the following will be highly desirable:

- Data Engineering, Data Science and Data Analytics
- Artificial Intelligence, Machine Learning and Generative AI
- Cloud Computing and Software Engineering
- DevOps and Systems Administration
- Networking and Cybersecurity
- Digital Forensics and Database Administration
- Full-Stack and Mobile Application Development
- Game Development, Graphic Design, Animation and Video Production

Recognized industry certifications may include AWS, Google Cloud, Microsoft Azure, IBM, Databricks, SAS, NVIDIA, Cisco, Juniper, Red Hat, CompTIA, Offensive Security, ISC2, ISACA, Oracle, Meta, Apple, Unity, Unreal Engine, Autodesk, Adobe, Blackmagic Design, Avid and other recognized professional certifications relevant to the position.

4. MATHEMATICS

Academic Qualifications

Applicants should hold at least a **Bachelor's Degree** in Mathematics, Applied Mathematics, Statistics, Mathematics Education, Actuarial Science, Data Analytics, Data Science, Computer Science, Information Technology, or any other closely related field.

Professional Experience

Applicants should have a **minimum of two (2) years of relevant professional, teaching, training and/or industry experience** in mathematics, statistics, data analytics, actuarial science, data science, quantitative analysis, or a related field.

Professional Qualifications and Skills

Professional certification, registration or accreditation will be highly desirable, including:

- TVETA Accreditation as a Trainer and/or Assessor
- Postgraduate Diploma in Education (PGDE)
- Relevant professional certifications, registrations or accreditations applicable to the position

Applicants should demonstrate the ability to deliver practical, learner-centred and industry-relevant mathematics training.

5. GEO-INFORMATION, CORPORATE AND PROFESSIONAL TRAINING FACILITATORS

Academic Qualifications

Applicants should hold at least a **Bachelor's Degree and Masters Degree** in Remote Sensing, Geomatics, Geomatic Engineering, Geoinformatics, Geographic Information Systems (GIS), Environmental Science, Physics, Computer Science, Artificial Intelligence, Data Science, Statistics, Software Engineering, Data Engineering, Information Security, Land Administration, Surveying, Geodesy, Civil Engineering, Electrical Engineering, Electronics Engineering, Computer Engineering, Aerospace Engineering, Mechanical Engineering, Space Engineering, Mechatronics Engineering, Robotics, Urban Planning, Architecture, Design, Business, Economics, or any other closely related field.

Professional Experience

Applicants should have a **minimum of two (2) years of relevant professional and/or industry experience** in geospatial technologies, Earth observation, remote sensing, artificial intelligence, data science, space science, engineering, environmental monitoring, land administration, smart infrastructure, corporate training, professional training, or a related field.

Professional Qualifications and Skills

Applicants should possess professional certifications and/or demonstrated competency in one or more of the following areas:

- Hyperspectral Image Analysis and Spectral Library Development
- Image Classification Algorithms
- Mineral and Vegetation Mapping
- Synthetic Aperture Radar (SAR) and InSAR Processing
- SNAP and SARscape
- Google Earth Engine
- Flood and Deforestation Mapping
- Ground Deformation Monitoring
- TensorFlow, PyTorch and Convolutional Neural Networks (CNNs)
- Transfer Learning and GeoAI

- Object Detection, including YOLO and Mask R-CNN
- Image Annotation and Labelling
- Cloud Computing, including AWS, Microsoft Azure and Google Cloud Platform
- Scalable Geospatial Pipeline Design
- Spatial Statistics, Spatial Regression and Predictive Modelling
- Machine Learning, Scikit-learn and R Programming
- Natural Language Processing (NLP) and Large Language Model (LLM) Integration
- Market Analysis, Geospatial Value Chain Development and Business Model Development
- Satellite Communications, Ground Station Operations, Telemetry, Tracking and Command (TT&C)
- Chatbot Development and Spatial Database Automation
- Open Geospatial Consortium (OGC) Standards and ISO 19115 Metadata
- Spatial Data Infrastructure (SDI), GeoServer and GeoNode
- ArcGIS Hub and OGC Web Services (WMS, WFS and WMTS)
- Cloud Data Lakes, Distributed Computing, Hadoop and Spark
- Data Warehousing and Land Information Management Systems (LIMS)
- Land Governance and Fit-for-Purpose Land Administration (FFP-LA)
- Partnership and Grant Management
- CubeSat Design and Payload Integration
- Space Systems Engineering and Space Weather
- Meteorology and CORS Network Management
- Precise Point Positioning (PPP)
- Digital Twin Technologies, ArcGIS CityEngine, Cesium and Bentley iTwin
- Internet of Things (IoT) Integration
- LiDAR Processing, Point Cloud Classification and 3D Modelling
- Building Information Modelling (BIM)
- Unity, Unreal Engine, Augmented Reality (AR) and Virtual Reality (VR)
- BIM-GIS Interoperability and Industry Foundation Classes (IFC)
- Infrastructure Digital Twins and Indoor Positioning Systems
- IndoorGML and IoT Sensor Networks
- LoRaWAN and Sigfox
- Blockchain for Land Administration
- Geospatial Data Security
- Autonomous Drone and Unmanned Ground Vehicle (UGV) Operations
- Swarm Robotics and Remotely Piloted Aircraft Systems (RPAS)
- Civil Aviation Regulatory Compliance
- Cybersecurity and Critical Infrastructure Protection

Other recognized professional certifications and competencies relevant to geospatial technologies, artificial intelligence, space science, engineering, environmental monitoring, smart infrastructure, corporate training, or related disciplines will be an added advantage.

6. BUSINESS AND ENTREPRENEURSHIP

Academic Qualifications

Applicants should hold at least a **Bachelor's Degree** in Business Administration, Economics, Finance, Marketing, Entrepreneurship, Accounting, Commerce, Business Management, Human Resource Management, Procurement and Supply Chain Management, Project Management, or any other closely related field.

Professional Experience

Applicants should have a **minimum of two (2) years** of relevant professional, teaching, training and/or industry experience in Business Administration, Economics, Finance, Marketing, Entrepreneurship, Accounting, Commerce, Business Management, Human Resource Management, Procurement and Supply Chain Management, Project Management or a related field.

Professional Qualification, Skills and Membership

Professional certification, registration, or membership with relevant professional and regulatory bodies is highly desirable. This includes registration with the Institute of Certified Public Accountants of Kenya (ICPAK); International Labour Organization (ILO) Start and Improve Your Business (SIYB) Certification; Trainer of Trainers (TOT) or Master Trainer Certification; professional membership in recognized business, accounting, entrepreneurship, management, or education associations; or other relevant professional certifications and registrations applicable to the position. Those with industry experience without training experience are also encouraged to apply.

How to Apply:

Qualified and interested candidates are invited to submit their applications through <https://careers.rcmrd.org/> by **11.59 hours EAT on 4th October, 2026**, through the RCMRD e-Recruitment system.

RCMRD is an equal opportunity employer. The Centre does not charge any fees at any stage of the recruitment process.