

# VACANCY ANNOUNCEMENT

## Job Summary

**Position:** Research Officer – (Medical Doctor) 1 Post  
**Reports To:** Project Leader  
**Work Station:** Dar es Salaam  
**Apply By:** 20<sup>th</sup> June 2024

## Institute Overview

**Ifakara Health Institute (IHI)** is a leading research organization in Africa with a strong track record in developing, testing and validating innovations for health. Driven by a core strategic mandate for research, training and services, the Institute's work now spans a wide spectrum, covering biomedical and ecological sciences, intervention studies, health-systems research, service delivery and policy translation.

## Position Summary

The **Ifakara Health Institute** is seeking a qualified **Research Officer** to join the MAMS STEP2C project. He/she will provide high-quality medical care to patients, diagnose and treat a variety of conditions, and promote health education. This role requires a professional with excellent clinical skills, strong interpersonal abilities, and a commitment to patient care.

## Duties and Responsibilities

- Screening of the patients: Identify eligible patients for the study
- Enrolment of the patients: register eligible patients into the study
- Management of the patients: Oversee and coordinate the care and progress of patients throughout the study
- Identification and Management of adverse and severe adverse events: Detect and address any negative reactions or side effects patients may experience
- Follow up of the patients: Ensure continued monitoring and care of patients
- Initial development of SOPs: Create detailed, standardized procedures to ensure consistency and quality in all study-related activities.
- Management of site investigator files (ISF): Maintain comprehensive and organized records of all site-related documentation.
- Communication with Regulatory authority and Ethics: Ensure all activities comply with regulatory and ethical standards.

## Qualification and Experience

- Degree in medicine (MD)
- Experience in clinical research
- Must have experience in working as a clinical Research Coordinator, this is Mandatory.

### Ifakara Branch

Off Mlabani Passage  
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### Dar es Salaam Office

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 Phone: +255222774756

### Bagamoyo Branch

Off Chuguni Road  
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 Phone: +255232440065

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## Skills and Competencies

- Patient Management skills
- Computer skills
- Good interpersonal and communication skills.

## Remuneration

An attractive and competitive remuneration package will be offered to successful candidates as per IHI salary scales.

## Equal Opportunity

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## Mode of Application

All candidates who meet the above job requirements should send their application letters together with their detailed curriculum vitae (CVs) showing contact addresses including email, telephone/cell phone numbers and copies of academic and professional certificates to the email address below.

The **deadline** for this application is **17:00 hrs on June 20 2024**. All e-mail application subject lines should include: **[Research Offer (MD)– MAMS STEP2C]**. **Only shortlisted applicants will be contacted for interview.**

Human Resources Manager  
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# VACANCY ANNOUNCEMENT

## Job Summary

**Position:** Research Officer (Software Developer) 1 Post  
**Reports To:** Project Leader  
**Work Station:** Dar es Salaam  
**Apply By:** 10<sup>th</sup> June 2024

## Institute Overview

**Ifakara Health Institute (IHI)** is a leading research organization in Africa with a strong track record in developing, testing and validating innovations for health. Driven by a core strategic mandate for research, training and services, the Institute's work now spans a wide spectrum, covering biomedical and ecological sciences, intervention studies, health-systems research, service delivery and policy translation.

## Position Summary

The **Ifakara Health Institute** is seeking a qualified **Research Officer** to take the role of a **Software Documentation, Test, Installation, and Training Specialist**. He/she will play a pivotal role in ensuring the successful implementation and adoption of software solutions within the **VMAN Project** (Development of a Standard Verbal Autopsy Manager Tool to improve Death and Cause of Death Data Quality, Data Use and Data Linkages).

## Duties and Responsibilities

His/her responsibilities will include documentation, quality assurance, installation procedures, and user training. The main tasks will be:

1. Software Documentation:
  - Develop and maintain comprehensive procedural documents, manuals, and technical guides.
  - Prepare, review, revise, and maintain technical documents, including software and systems engineering, system operations, and user manuals.
  - Ensure consistency in style, tone, and language across all documentation.
2. Software Testing:
  - Collaborate with development teams to identify defects and bugs, working closely to resolve them.
  - Create test cases and test scripts based on user stories and requirements.
  - Perform regression testing and User Acceptance Testing (UAT) for products.
3. Installation Procedures:
  - Develop clear installation guides for end-users and system administrators.
  - Ensure smooth installation and configuration of software on various platforms.
  - Provide step-by-step instructions for installation, setup, and initial configuration.
4. User Training:
  - Conduct on-site and remote training sessions for end-users.
  - Teach users how to effectively use newly implemented software.
  - Address common user queries and troubleshoot issues during training.

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## Qualification and Experience

- Bachelor's degree in Computer Science, Information Technology, or a related field.

## Skills and Competencies

- Strong writing and organizational skills.
- Familiarity with testing methodologies and tools.
- Basic understanding of web technologies.
- Ability to communicate complex concepts in an understandable manner.

## Remuneration

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## Equal Opportunity

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The **deadline** for this application is **17:00 hrs on June 10 2024**. All e-mail application subject lines should include: **[Research Officer (Software Developer) – VMAN project]**. **Only shortlisted applicants will be contacted for interview.**

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# VACANCY ANNOUNCEMENT

## Job Summary

**Position:** Research Officer – (Full-stack Software Developer) 1 Post  
**Reports To:** Project Leader  
**Work Station:** Dar es Salaam  
**Apply By:** 10<sup>th</sup> June 2024

## Institute Overview

**Ifakara Health Institute (IHI)** is a leading research organization in Africa with a strong track record in developing, testing and validating innovations for health. Driven by a core strategic mandate for research, training and services, the Institute's work now spans a wide spectrum, covering biomedical and ecological sciences, intervention studies, health-systems research, service delivery and policy translation.

## Position Summary

The **Ifakara Health Institute** is seeking a qualified **Research Officer** (versatile **Fullstack Software Developer**) with expertise in the FastAPI framework. He/she will play a key role in designing, developing, and implementing software solutions to support data analysis, machine learning model development, and research initiatives within the **VMAN Project** (Development of a Standard Verbal Autopsy Manager Tool to improve Death and Cause of Death Data Quality, Data Use and Data Linkages). He/she will collaborate closely with researchers, data scientists, and public health experts to create impactful tools and platforms that facilitate data-driven decision-making and advance scientific discoveries.

## Duties and Responsibilities

- Collaborate with interdisciplinary teams of researchers, data scientists, and public health experts to understand project requirements and translate them into technical solutions.
- Design and develop scalable and efficient backend services and APIs using the FastAPI framework, ensuring optimal performance, reliability, and security.
- Implement frontend interfaces for data visualization and user interaction using modern frontend frameworks and technologies (e.g., React, Angular, Vue.js).
- Develop database schemas, optimize queries, and manage data persistence layers (e.g., SQL, NoSQL databases) to support research data management and analysis.
- Write analytical and machine learning models using Python libraries (e.g., scikit-learn, TensorFlow, PyTorch) to extract insights from large-scale public health datasets.
- Collaborate with researchers to integrate analytical and machine learning models into software applications, ensuring seamless integration and functionality.
- Write clean, well-documented code following best practices and coding standards, and conduct code reviews to maintain code quality and consistency.
- Troubleshoot and debug issues, perform root cause analysis, and implement effective solutions to ensure the reliability and integrity of research software systems.

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- Stay abreast of the latest developments in software development, data science, and public health research, and proactively explore and implement innovative technologies and methodologies to enhance research capabilities.

## Qualification and Experience

- Bachelor's degree in Computer Science, Engineering, Public Health, or a related field and with equivalent experience.

## Skills and Competencies

- Proven experience as a Fullstack Software Developer with expertise in developing applications using the Fast API framework.
- Strong proficiency in Python programming language and experience with backend development frameworks (e.g., Flask, Django).
- Solid understanding of frontend technologies such as HTML, CSS, JavaScript, and frontend frameworks/libraries (e.g., React, Angular, Vue.js).
- Experience with relational and/or non-relational databases (e.g., PostgreSQL, MongoDB) and proficiency in writing efficient SQL queries.
- Demonstrated experience in writing analytical and machine learning models using Python libraries (e.g., scikit-learn, TensorFlow, PyTorch).
- Excellent problem-solving skills, attention to detail, and ability to work independently as well as collaboratively in a multidisciplinary research environment.
- Strong communication and interpersonal skills, with the ability to effectively collaborate with researchers, data scientists, and public health experts.
- Passion for leveraging technology to address public health challenges and drive meaningful societal impact.

## Remuneration

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## Equal Opportunity

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## VACANCY ANNOUNCEMENT

### Job Summary

**Position:** Research Officer - Insectary (1 Post)  
**Reports To:** Project Leader  
**Work Station:** Bagamoyo  
**Apply By:** 21<sup>st</sup> June 2024

### Institute Overview

**Ifakara Health Institute (IHI)** is a leading research organization in Africa with a strong track record in developing, testing and validating innovations for health. Driven by a core strategic mandate for research, training and services, the Institute's work now spans a wide spectrum, covering biomedical and ecological sciences, intervention studies, health-systems research and policy translation.

### Position Summary

The **Ifakara Health Institute** is looking for qualified **Research Officer** to join the Insectary in Bagamoyo. He/she will ensure that the delegated phases of the study are conducted in accordance with agreed protocols and that high-quality data and reports are produced on time and to the satisfaction of the sponsor where applicable following the principles of GLP. Providing leadership in the ITF and Ensure GLP work in the testing area is completed following SOPs.

### Duties and Responsibilities

- Assist in developing study plan/protocol and any amendments to the study plan/protocol.
- Ensure that study plans, amendments and SOPs are available to all involved study personnel and that they are adhered to.
- Ensure that the procedures specified in the study plan are followed inform the study director and take appropriate corrective action if deviations from SOPs or study plans occur during the conduct of the study.
- Ensure that all raw data generated are fully documented and recorded accurately
- Assist in writing the final report and ensure the validity of the data in compliance with principles of GLP.
- Prepare and present oral and written reports as required by Project leader or Test Facility Manager.
- Ensure that study plans, amendments and SOPs are available to all involved study personnel.
- Ensure that the procedures specified in the study plan are followed and assess and document the impact of any deviations from the study plan on the quality and integrity of the study and take appropriate corrective action if necessary; acknowledge deviations from SOPs during the conduct of the study.
- Ensure that computerized systems used in the study have been validated and all equipment are calibrated and fit for use.
- Ensure that after completion (including termination) of the study, the study plan, the final report, raw data and supporting material are archived.
- Ensure the appropriate storage of equipment's, supplies and records in the testing area

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- Ensure different applicable data forms, logs and checklists are maintained and up to date in the correct areas of the testing area.
- Set, measure, document and track testing operational performance against goals.
- Ensure the testing laboratory operates safely and efficiently, including routine maintenance of equipment.
- Maintain equipment records and follow up on testing activities as dictated by set of SOPs.
- Support development and delivery of internal training and internal communication to SD

### Qualification and Experience

- Bachelor's degree of Science in Biology
- Experience in Data analysis by using STATA
- Experience in GLP studies and report writing
- Phase one experiments

### Skills and Competencies

- Excellent communication skills both written and verbal,
- Ability to work as part of the team and independently,
- Computer skills (Microsoft office (MS Word, Excel, PowerPoint,). Skills on STATA, etc.

### Remuneration

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