



**THE NELSON MANDELA
AFRICAN INSTITUTION OF SCIENCE AND
TECHNOLOGY (NM-AIST)**



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EMPLOYMENT OPPORTUNITIES

The Nelson Mandela African Institution of Science and Technology (NM-AIST) in Arusha is one in a network of Pan-African Institutions of Science and Technology located across Sub-Saharan Africa (SSA). These institutions, which are the proud brainchild of the late Nelson Mandela, envision training and developing the next generation of African scientists and engineers with a view to impacting profoundly on the continent's development through the application of Science, Engineering and Technology and Innovation (SETI).

The NM-AIST, which is accredited by the Tanzania Commission for Universities (TCU) is being developed into a world-class research-intensive institution for postgraduate and post-docs studies and research in SETI.

The Nelson Mandela African Institution of Science & Technology (NM-AIST) invites applications from suitably qualified and competent Tanzanian to fill the following vacant posts:

1. LECTURER – (5 Posts) – Re-Advertised

(a) Qualifications

Holder of a PhD in a specialized functional area, with a Masters' Degree in the relevant field with at least a GPA of 4.0 out of 5.0, and a Minimum GPA of 3.8 out of 5.0 or its equivalent in the First degree with Minimum scores of B+ in Relevant Subjects or its equivalent.

(b) Duties:

- Conducting lectures, tutorials, seminars and practical for Masters and PhD programmes.
- Carrying out research and innovation activities in relevant field.
- Mentoring junior staff in all relevant matters.
- Participating in curriculum development
- Participating in developing and managing of various Institutions' projects.
- Carrying out community/outreach services
- Supervising Masters and PhD student projects
- Organize and participate in workshops, conferences and symposia.
- Performing any other duty as may be assigned by the relevant authority at the University.

(c) Area of Specialization:

The 5 posts mentioned above is in either of the following Schools and areas of specialization:

(i) SCHOOL OF MATERIALS, ENERGY, WATER & ENVIRONMENTAL SCIENCES (MEWES);

- **Hydrology and Water Resources Engineering** (Hydrology Water Resource and Engineering, Hydrogeology, or Groundwater Management, Irrigation Engineering, Environmental Geochemistry, Earth Sciences, Geophysics and Engineering, Hydrogeological Modelling)

OR

- **Sustainable Energy Science and Engineering** (Energy Engineering, Mechanical Engineering, Electrical Engineering, Electro-Mechanical Engineering, Chemical and Process Engineering, Renewable Energy Engineering)

OR

- **Materials Science and Engineering** (Chemistry, Materials Science and Engineering, Petroleum Engineering, Nanotechnology Engineering, Mechanical Engineering, Chemical and Process Engineering, Electrical Engineering, Electronics Engineering, Civil Engineering, Industrial Engineering)

➤ **Number of Vacancies – 1 post**

(ii) SCHOOL OF COMPUTATIONAL AND COMMUNICATION SCIENCES& ENGINEERING (COCSE);

- **Pure or Applied Mathematics** -Financial mathematics, statistics & stochastic, optimization methods, mathematical modelling, biomathematics. (Applied mathematics, statistics, financial mathematics, Fluids mechanics)- **1 Post**

(iii) SCHOOL OF LIFE SCIENCES AND BIO-ENGINEERING (LISBE);

- **Biomedical Engineering - Nano science, medical engineering, industrial Pharmacy** (Biochemistry & Molecular Biology, Organic/Physical Chemistry/Analytical Chemistry/or Medicinal Chemistry, Pharmaceutical Sciences/Pharmaceutical Technology)- **1 Post.**

(iv) SCHOOL OF BUSINESS STUDIES AND HUMANITIES (BUSH).

- **Finance / Accounts**
(Accounts, Finance; Accounting and Finance; Finance and Investment; Finance, Investment and Risk Management; Investment Management; Finance and Economics) – **1 Post**
- **Management Science**
(Management; Organizational Leadership; Strategic Leadership; Business Leadership and Management; Business and Management; Business Administration; Human Resources Management ;) - **1 Post**

(d) Salary Scale: PUTS 3.3

2. ASSISTANT LECTURER – (16 Posts) – Re-Advertised

(a) Qualifications

Holder of a Master degree in a specialized functional area with at least a GPA of 4.0 out of 5 and Minimum GPA of 3.8 out of 5 or its equivalent in the First Degree with a Minimum score of B+ in the Relevant Subject or its equivalent.

(b) Duties:

- (i) Assists Senior Academic Staff in practical, seminars and tutorials for Masters students
- (ii) Working in co-operation with senior members on specific projects
- (iii) Assisting in writing and preparation of teaching manuals and compendia.
- (iv) Undertake research and innovation activities in relevant field.
- (v) Performs any other Duties and Responsibilities as may be assigned by relevant authority.

(c) Areas of Specialization:

The **16** posts mentioned above are in either of the following Schools and areas of specialization:

(i) SCHOOL OF MATERIALS, ENERGY, WATER & ENVIRONMENTAL SCIENCES (MEWES);

- **Hydrology and Water Resources Engineering** (Hydrology Water Resource and Engineering, Hydrogeology, or Groundwater Management, Irrigation Engineering, Environmental Geochemistry, Earth Sciences, Geophysics and Engineering, Hydrogeological Modelling, Water Supply and Sanitary Engineering)

OR

- **Health Physics and Radiation Protection** (Natural Sciences, Biological/Physical Sciences, Radiation Therapy Technology, Health Sciences, Applied Nuclear Physics, engineering; specifically, the appropriate fields will include Physics, Chemistry, Biology, Health, Radiology, Electrical, Mechanical or Chemical Engineering or related degrees/fields)

OR

- **Materials Science and Engineering** (Chemistry, Materials Science and Engineering, Petroleum Engineering, Nanotechnology Engineering, Mechanical Engineering, Chemical and Process Engineering, Electrical Engineering, Electronics Engineering, Civil Engineering, Industrial Engineering)

OR

- **Sustainable Energy Science and Engineering** (Energy Engineering, Mechanical Engineering, Electrical Engineering, Electro-Mechanical Engineering, Chemical and Process Engineering, Renewable Energy Engineering)

➤ **Number of Vacancies – 6 posts**

(ii) SCHOOL OF COMPUTATIONAL AND COMMUNICATION SCIENCES & ENGINEERING (COCSE);

- **Electronics Engineering/Embedded Systems** (Embedded Systems, Electronics Engineering, Computer Engineering) – **2 Posts**.
- **Information and Network Security/Cyber Security**. (Computer science, IT Security, Information science, Information Systems; Information Technology, Informatics, Software Engineering; Computer Engineering- **2 Posts**).

(iii) SCHOOL OF LIFE SCIENCES AND BIO-ENGINEERING (LISBE);

- **Neural sciences** (Neural Sciences, Human and or Veterinary Medicine, Molecular biology) – **1 Post**.

(iv) SCHOOL OF BUSINESS STUDIES AND HUMANITIES (BUSH).

- **Accounts / Finance**
(Accounts; Finance; Accounting and Finance; Finance and Investment; Finance, Investment and Risk Management; Investment Management; Finance and Economics ;) – **1 Post**
- **Regional Development**
(Community Development; Community Resources and Development; Regional Development; Regional Development Planning; Urban and Regional Planning)- **1 Post**
- **Management Science**
(Management; Organizational Leadership; Strategic Leadership; Human Resources Management; Business Leadership and Management; Business and Management; Business Administration) - **2 Posts**
- **Social Science**
(Social Science; Social Work; Sociology; Social Innovation; Applied Social Research; Psychology; Philosophy and Ethics; Social Philosophy;)- **1 Post**

(d) Salary Scale: PUTS 2.1

GENERAL CONDITIONS

- All applicants must be Citizens of Tanzania with not above 45 years of age;
- Applicants must attach an up-to-date Curriculum Vitae (CV) having reliable contacts; postal address/post code, e-mail and telephone numbers;
- Applicants should apply on the strength of the information given in this advertisement;
- Applicants must attach their certified copies of the following certificates: -
 - PhD/Masters/Degree/Advanced Diploma/Diploma/Certificates;
 - PhD/Masters/Degree/Advanced Diploma/Diploma transcripts;
 - Form IV and Form VI National Examination Certificates;
 - Professional Registration and Training Certificates from respective Registration or Regulatory Bodies, (where applicable);
 - Birth certificate;

- (v) Attaching copies of the following certificates is strictly not accepted: -
 - Form IV and form VI results slips;
 - Testimonials and all Partial transcripts;
- (vi) An applicant must upload recent Passport Size Photo in the Recruitment Portal;
- (vii) An applicant who is freeze from the Public Service for whatever reason should not apply;
- (viii) An applicant should indicate three reputable referees with their reliable contacts;
- (ix) Certificates from foreign examination bodies for Ordinary or Advanced level education should be verified by The National Examination Council of Tanzania (NECTA);
- (x) Professional certificates from foreign Universities and other training institutions should be verified by The Tanzania Commission for Universities (TCU) and National Council for Technical Education (NACTE);
- (xi) An applicant with special needs/case (disability) is advised to indicate;
- (xii) Only short-listed candidates will be informed on the date of interview and;
- (xiii) Presentation of forged certificates and other information will necessitate legal action;
- (xiv) A signed application letter should be written in English and Addressed to:-

The Deputy Vice Chancellor (Planning, Finance& Administration),
Nelson Mandela African Institution of Science & Technology,
P.O. Box 447,
ARUSHA.

NOTE: All applications must be sent through the Recruitment Portal through the following address; <http://portal.ajira.go.tz/> and not otherwise (This address also can be found at the Public Service Recruitment Secretariat Website, Click 'Recruitment Portal')

The deadline for submitting applications is Thursday 22nd December, 2022.