REPUBLIC OF KENYA

KENYA ADVANCED INSTITUTE OF SCIENCE & TECHNOLOGY

P.O Box 30-90151, Konza City, Kenya,

MOTTO: TECHNOLOGY FOR NATIONAL TRANSFORMATION

ADVERTISEMENT FOR PROFESSOR AND ASSOCIATE PROFESSOR POSITIONS AT THE KENYA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY

Who is Kenya-AIST?

Kenya Advanced Institute of Science and Technology (Kenya-AIST) is a Kenya Vision 2030 flagship initiative; designed to be a research-intensive, specialized postgraduate-only degree-awarding institution of strategic national importance; with a focus on science, engineering, and technology. The graduates from the Institute are expected to make a significant contribution to Kenya's transformation into a prosperous, innovative and industrialized country through economic and technological growth.

Kenya-AIST was established in 2022 under Legal Order 130, and is physically located in Konza Technopolis, a location that is designed to be a vibrant regional innovation ecosystem.

Our Core Values

- Integrity
- Dedication
- Creativity
- Excellence
- Sustainability

Our Academic Programmes

The Institute will launch the fourteen (14) flagship programmes listed below in the initial years; with a focus on driving Kenya's industrialization through knowledge economy.

The programmes are:

1. MSc Degree and Doctor of Philosophy in Civil and Environmental Engineering,
2. MSc Degree and Doctor of Philosophy in Electrical & Electronic Engineering,
3. MSc Degree and Doctor of Philosophy in ICT Engineering,
4. MSc Degree and Doctor of Philosophy in Mechanical Engineering,
5. MSc Degree and Doctor of Philosophy in Nuclear Engineering,
6. MSc Degree and Doctor of Philosophy in Chemical Engineering, and
7. MSc Degree and Doctor of Philosophy in Agricultural Biotechnology

Our Needs

As a specialized postgraduate degree-awarding institution of strategic national importance, Kenya-AIST is searching for professors and associate professors to offer academic and research leadership to the students enrolled in the degree programmes listed above. The candidates will be expected to inspire and nurture talents and creativity among the faculty and students, and collectively push the frontiers of knowledge and innovations with a network of industry partners.

We are therefore seeking dynamic, collegial, collaborative, and creative professors and associate professors that are dedicated to performing ground-breaking research in the fields listed in the table below; with the potential to build an exceptional national and international research reputation, an interest in industrial collaborations, and a passion for engaging in innovative teaching and research that leads to commercialization of products.

Specific to the areas of study, we require Professors and /or Associate Professors in the following areas of research

Department	Areas of Expertise/research fields for recruitment
Mechanical Engineering	1. Energy 2. Robot/Automation 3. Industrial/General Machine 4. Production Technology
Nuclear Engineering	1. Nuclear System Design and Safety 2. Nuclear Materials and Fuel Cycle 3. Radiation Measurement and Protection
Electrical & Electronics Engineering	1. Circuit and Device --Semiconductor, IoT 2. Electric Energy -- Electric power, Grid system 3. Industrial robot system
ICT Engineering	1. AI: Machine learning 2. Computer System -- Software development 3. Data Science 4. Security Computing -- Cybersecurity, Digital forensics
Civil Engineering	1. Environmental Engineering 2. Transportation 3. Structural Engineering 4. Water Resources
Chemical Engineering	1. Polymer Engineering 2. Reaction Engineering
Agricultural Biotechnology	1. Crop Production 2. Crop Breeding 3. Food Science -Food processing/engineering, Functional food

THE VACANT POSITIONS

1. PROFESSORS, KENYA-AISTGRADE 3 - RE-ADVERTISEMENT

Overview

We require professors in each of the research fields listed above. These positions entail providing leadership in the design, development, and implementation of teaching and learning programmes in the Institute; developing and implementing the Institute's research strategies within one's area of specialization; mobilizing resources; mentoring academic staff and students; establishing academic industry collaborations; championing dissemination of research outputs and outcomes; and collaborating with stakeholders and industry in technology transfer and commercialization of innovation.

Duties and Responsibilities

The holders of the positions shall be: -

i. Establishing and leading research partnerships, collaborations and linkages in an area of specialization nationally, regionally and internationally; Initiating and leading external bids for research funding and consultancies in an area of specialization;
ii. Exercising sapiential authority, intellectual, educational leadership;
iii. Promoting the development of innovative approaches to course design and delivery and ensure compliance with the Institute's quality framework, educational standards and regulations;
iv. Identifying learning needs of students and design appropriate learning outcomes; assessing students' learning activities, examining and providing feedback;
v. Providing academic leadership by promoting a vibrant and productive academic environment;
vi. Developing laboratory manuals in line with the approved curricula in a thematic area;
vii. Supervising students' thesis, dissertations, internships and attachments, where applicable;
viii. Mentoring teaching and research staff and students in the area of specialization;
ix. Championing dissemination of research outputs and outcomes in areas of research interest;
x. Collaborating with stakeholders and industry in technology transfer and commercialization of innovation; and
xi. Any other duties as assigned by management from time to time.

Requirements for Appointment to a position of Professor Kenya-AIST Grade 3 (Equivalent to Grade 15 of public Universities).

A candidate shall have:

i. An earned PhD qualification in a relevant field from recognized and accredited university;
ii. At least five (5) years teaching experience as an Associate Professor or nine (9) years of research experience as a Research Faculty or equivalent;
iii. A minimum of sixty (60) publications since attaining Associate Professorship or equivalent of which at least forty (40) should be in refereed scholarly journals;
iv. Supervised a minimum of ten (10) doctoral students to completion, at least five (5) at master's degree level.
v. Evidence of registered patents and commercialized innovations in an area of research is an added advantage.
vi. Membership to professional body where applicable,
vii. Demonstrable knowledge of current information communication technologies.
viii. Fulfil the requirements of Chapter 6 of the Constitution of Kenya.

2. ASSOCIATE PROFESSOR- KENYA-AIST GRADE 4

Job Overview

The positions entail providing support in the design, development and implementation of teaching and learning Programmes in the Institute; developing and implementing research projects within one's area of specialization; mobilizing resources; mentoring students; establishing academic industry collaborations; disseminating research outputs and outcomes; and establishing collaborations with stakeholders and industry in technology transfer and commercialization of innovation.

Duties and Responsibilities

The holders of the positions shall be responsible for: -

i. Establishing and leading research partnerships, collaborations and linkages in area of specialization nationally, regionally and internationally;
ii. Initiating and leading external bids for research funding and consultancies in an area of specialization;
iii. Exercising sapiential authority, intellectual, educational leadership;
iv. Participating in the design and development of academic programmes;
v. Promoting the development of innovative approaches to course design and delivery and ensure compliance with the Institute's quality framework, educational standards and regulations;
vi. Identifying learning needs of students and design appropriate learning outcomes; examining students' learning activities and providing feedback;
vii. Providing academic leadership by promoting a vibrant and productive academic environment;
viii. Participating in the development of laboratory manuals in line with the approved curricula in a thematic area;
ix. Supervising students' thesis, dissertations, internships and attachments, where applicable;
x. Mentoring teaching and research staff and students in the area of specialization;
xi. Championing dissemination of research outputs and outcomes;
xii. Collaborating with stakeholders and industry in technology transfer and commercialization of innovation; and
xiii. Any other duties as assigned by management from time to time.

Requirements for Appointment to a position of Associate Professor Kenya-AIST Grade 4 (Equivalent to Grade 14 of public Universities).

For appointment to this grade, a candidate shall have: -

i. PhD qualification in a relevant field from recognized and accredited university;
ii. At least five (5) years teaching experience as an Assistant Professor; or eight (8) years of research experience as an Assistant Research Professor or equivalent;
iii. A minimum of forty (40) publications as Assistant Professor or equivalent, of which at least thirty (30) should be in refereed scholarly journals;
iv. Supervised a minimum of five (5) doctoral students to completion, and at least five (5) at master's degree level;
v. Evidence of registered patents and commercialized innovations in an area of research is an added advantage;
vi. Membership to professional body where applicable,
vii. Demonstrable knowledge of current information communication technologies; &
viii. Fulfil the requirements of Chapter 6 of the Constitution.

How to Apply

a) Kenya-AIST is an equal opportunity employer.

b) Interested applicants should submit a Cover Letter, Curriculum Vitae, Statements of Research Interests and Teaching Philosophy, Names and addresses of TWO (2) Professional Referees, and Copies of Academic and Professional Certificates, National Identity Card or Passport and other relevant supporting documents electronically through this email: **facultyrecruitment@kenya-aist.ac.ke**

c) Successful candidates will be required to provide if applicable, clearance from (a) Kenya Revenue Authority, (b) Higher Education Loans Board, (c) Ethics and Anti-Corruption Commission, and (d) a Certificate of Good Conduct from Criminal Investigation Department.

Deadline: The advertised positions shall remain open until they are filled

Contact Details: In case of any enquiries, you can reach us through**: +254-741-491563**