DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY

CENTRE FOR DATA SCIENCE AND ARTIFICIAL INTELLIGENCE (DSAIL)

OUR VISION & MISSION

Our Vision

"To be a Premier Technological University, excelling in quality education, research and technology transfer for national development."

Our Mission

"To provide an academically stimulating, culturally diverse and quality learning environment that fosters research, innovation and technology development towards producing relevant technical and managerial human resource and leaders to contribute to attainment of national development goals."

UNDERGRADUATE RESEARCH ASSISTANT OPPORTUNITIES IN DSAIL

1. UNDERGRADUATE RESEARCH ASSISTANT

Job Specifications

i. Candidates enrolled for a Bachelor's degree in engineering, computer science, Geomatics, GIS and Remote Sensing, Mathematics or related field.
ii. Candidates in a 4-year program must be in either their 2nd or 3rd year while students in a 5-year program must be in either their 3rd or 4th year with a minimum grade average of B in each year of study.
iii. The candidates must have a good understanding of undergraduate level calculus, linear algebra and probability with a minimum grade of B in the relevant course units.
iv. Computer programming experience in either Python, C/C++, or R is desirable. The candidate's CV should include a link to an online repository containing coding samples (e.g. GitHub).
v. The candidates must have a keen interest in developing solutions in areas such as health, agriculture and environmental conservation.

RESPONSIBILITIES

Undergraduate research assistants shall be expected to work for 20 hours per week on average. Specific duties are as follows:

i. Investigate machine learning methods for various applications
ii. Develop mathematical models relevant for data science applications
iii. Design and fabricate IoT devices for data collection
iv. Develop data collection pipelines for IoT applications
v. Processing of GIS data
vi. Produce technical reports on tasks performed
vii. Any other duty that may be assigned by an authorized officer.

HOW TO APPLY

1. All applications should be done via **hr@dkut.ac.ke.** Hard copies will not be accepted.
2. Each application shall be accompanied by a cover letter highlighting prior projects in machine learning, data science or related field, detailed curriculum vitae, copies of academic and professional certificates and relevant transcripts, national identity card or passport, recommendation letter, and other relevant supporting documents.

Deadline: Applications must be received on or before 26th October, 2026 by 5. 00 P.M

TO NOTE:

1. Successful candidates for the position of undergraduate research assistant will have a portion of their tuition fees paid.
2. Dedan Kimathi University of Technology is an equal opportunity employer. Applicants of either gender, any ethnicity, persons with disabilities and those from marginalized areas are encouraged to apply.
3. Only shortlisted candidates will be contacted.

Applications: hr@dkut.ac.ke