



DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY

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 THE CENTRE FOR DATA SCIENCE AND ARTIFICIAL INTELLIGENCE (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 and with a minimum average grade of B in each year of study
- iii. The candidates must have 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 (eg. 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 to 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

- i. All applications should be sent to hr@dkut.ac.ke. **Hard copies will not be accepted.**
- ii. 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, testimonies, and other relevant supporting documents. Incomplete applications will not be considered.

Deadline: Applications must be received on or before **5th August, 2024 by 5. 00 P.M.**

To note:

- i. *Successful candidates for the position of Undergraduate Research Assistant will have a portion of the tuition fees paid.*
- ii. *Dedan Kimathi University of Technology is an equal opportunity employer and is committed to implementing the provisions of Article 232 (i) of the Constitution. Therefore, persons with disability and those from marginalized and minority communities are encouraged to apply.*
- iii. *Only shortlisted candidates will be contacted.*