

## **BINDURA UNIVERSITY OF SCIENCE EDUCATION**

*Applications are invited from suitably qualified and experienced candidates for the following posts:*

### **6. ARTIFICIAL INTELLIGENCE RESEARCH DEPARTMENT**

#### **Artificial Intelligence Graduate Research Assistant (3 Posts)**

##### **About the Opportunity**

The Artificial Intelligence Research Department at Bindura University seeks **three (3)** highly motivated and talented Graduate Research Assistants to join our dynamic team. This is a unique opportunity to contribute to cutting-edge AI research projects while receiving unparalleled mentorship from leading researchers in the field. As a Graduate Research Assistant, you will gain valuable experience in all aspects of the research lifecycle, from ideation and literature review to model development, analysis, and publication. This immersive experience will provide a strong foundation for a successful AI research or industry career.

##### **Qualifications**

- Recent Graduate (within the past year) with a strong academic record and a Bachelor's Degree in Computer Science, Data Science, Computer/Electronic/Electrical Engineering, Big Data, Data Analytics, Informatics, Information Systems, Information Security and Assurance, Software Engineering, or a related quantitative field;
- Demonstrated interest and experience in AI/ML research, evidenced through coursework, projects, or prior research experience;
- Proficiency in Python and familiarity with at least one deep learning framework such as TensorFlow or PyTorch;
- Solid understanding of fundamental AI/ML algorithms and their applications;
- Experience with statistical analysis and data visualization tools (e.g., Power BI, R, Tableau) is a plus;
- Excellent written and oral communication skills for effective collaboration and dissemination of research findings;
- Strong work ethic, self-motivation, and the ability to work both independently and as part of a team;
- Twenty-seven (27) years of age or below at the time of application.

## **Responsibilities**

- Conduct research in artificial intelligence, machine learning, and neural networks under the guidance of experienced researchers;
- Contribute to the development of research outputs including:
  - Policy briefs and whitepapers
  - Literature reviews
  - Data collection, preprocessing, and analysis
  - Building, training, and evaluating AI/ML models
- Assist in the preparation of research findings for presentation at lab meetings, workshops, and national/international conferences;
- Collaborate on the writing and submission of academic papers for publication in top-tier journals and conferences;
- Support senior researchers in securing research grants and building strategic partnerships;
- Participate in AI-related training initiatives in both academic and business settings.

## **Benefits**

- **Unparalleled Research Experience:** Gain practical, hands-on experience in cutting-edge AI research projects;
- **Mentorship and Career Development:** Receive guidance and mentorship from leading AI researchers, helping you build a strong foundation for a successful career in academia or industry;
- **Publication Opportunities:** Contribute to publications in top-tier AI conferences and journals;
- **Conference Attendance:** Present your research findings at national and international conferences;
- **State-of-the-Art Facilities:** Access a modern research lab with the latest technology and resources;
- **Competitive Stipend:** Receive a competitive monthly stipend throughout the program.

**NB: Female candidates are encouraged to apply. Police clearance is mandatory for successful candidates.**

## **APPLICATION PROCEDURES:**

Interested and qualified persons should send one set of their application merged in continuous pdf format to **recruitment@buse.ac.zw** consisting of the application letter, certified copies of educational certificates, transcripts, National ID, Birth Certificate and a Curriculum Vitae giving full personal details including full names, place and date of birth, qualifications, previous employment and experience, telephone number, present salary, date of availability, names, e-mail addresses and telephone numbers of at least three referees.

Only shortlisted candidates will be responded to. The closing date for the receipt of applications is **Monday, 5 August 2024**.

For more information, phone (66210) 7531-2, 7622, 7623, 0772 154 882-9.

**“Shaping and Creating the Future: Building Zimbabwe”**