Biomedical Engineering and Healthcare Technology (BEAHT) Research Centre and the Institute for Intelligent Systems

UNIVERSITY
OF
JOHANNESBURG

Short Learning Programme

Artificial Intelligence in Healthcare

Interested in enhancing your practice with AI?

The **Biomedical Engineering and Healthcare Technology (BEAHT) Research Centre** and the **Institute for Intelligent Systems** is pleased to offer a new short learning programme: **AI in Healthcare.**

Artificial Intelligence (AI) has emerged as a key cross-cutting technological feature of the Fourth Industrial Revolution, that has begun to penetrate all sectors of society. AI is strongly associated with the context of its application, and everything from the financial services to healthcare now implore AI application, research and development. There is an overwhelming need for Artificial Intelligence skills across South Africa and the globe, with a high demand for specialised research and development, and applied skills in AI.

In keeping with University of Johannesburg's focus on leading the way in the Fourth Industrial Revolution, UJ's flagship institute, IIS, is offering a multidisciplinary short learning programme enabling healthcare providers to learn how AI will shape the future of healthcare.
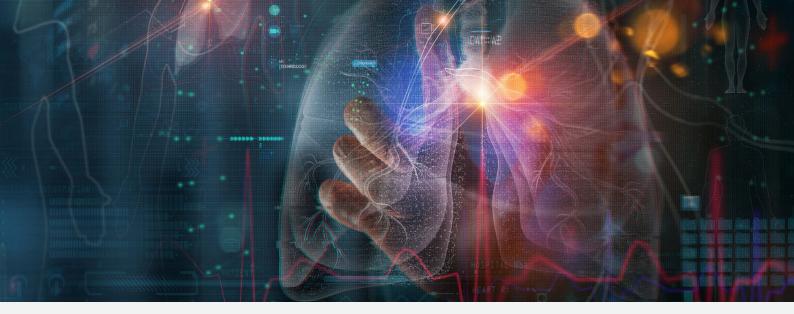
Entry requirements

Candidates are required to have attained an NQF Level 5. Therefore, participants with at least one completed year of tertiary education would be welcome to enroll in this programme.

Current health professionals as well as health professionals in training (i.e. students in health sciences) are welcome to apply to this programme. Students are selected on the basis of academic merit and an approved field(s) of study.

Cost

This programme is launched at an introductory price of R8000.

The Future Reimagined

Programme overview

This programme is offered over a ten week period. The following content will be covered in this programme:

• Module 1: Introduction	*13 September 2023*
• Case study: Machine learning and big data	*20 September 2023*
• Case study: Evaluations of AI in healthcare	*20 September 2023*
• Case study: Algorithms and use cases	*27 September 2023*
• Case study: AI in genetics	*04 October 2023*
• Case study: AI and clinical ailments	*11 October 2023*
• Case study: AI in drug discovery	*11 October 2023*
• Case study: AI in health administration	*18 October 2023*
• Module 2: Ethics aspects of AI implementation	*25 October 2023*

How to apply and register

The university will soon be accepting applications for this programme via the online application system. Should you be interested in applying for the programme, please visit **https://www.uj.ac.za/studyatUJ/sec/Pages/continuing-education-programmes.aspx** and apply for the SLP in Artifical Intelligence in Healthcare with Programme Code: **S9AIHO.** Then email certified copies of your supporting documents to **ujappdocs@listrv.uj.ac.za** with your reference number as the subject line.

Please note that there are a limited number of seats available for the 2023 programme intake. Candidates will be selected on the basis of eligibility and academic merit.

The closing date for registrations is 31 August 2023.

Enquiries

For further information and queries relating to this programme, you may contact:
Mx Mduduzi Nzuza, **mduduzin@uj.ac.za, +27 (0)11 559 6075**