TECHNICAL UNIVERSITY OF MOMBASA
ISO 9001:2015 Certified

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PROGRAMME BROCHURE · PHD / DOCTORATE

Doctor of Philosophy in Information Technology

3 Year(s) · Part Time · Institute of Computing and Informatics

Qualification level	PhD / Doctorate
Duration	3 Year(s)
Mode of study	Part Time
Awarded by	Technical University of Mombasa
Sponsorship	Self-Sponsored
School / institute	Institute of Computing and Informatics
Department	Computer Science and Information Technology
Programme code	PDIT

Overview

The Doctor of Philosophy in Information Technology programme aims to produce competent research scholars who will be engaged in the creation of new knowledge for harnessing innovative Information Technologies that enable users to accomplish community and industrial goals for wealth creation.

The programme is designed to address the growing demand for new knowledge and research in Information Technology, arising from the rapid development and adoption of new technologies. It supports national and international development goals, including the United Nations Sustainable Development Goals and Kenya Vision 2030.

The programme aims to produce highly innovative graduates who can advance theoretical and practical knowledge through research and innovation in the areas of Information Technology and its application in the community and industry.

Entry requirements

A candidate for a Ph.D. programme at the Technical University of Mombasa shall hold a **Master's Degree in a relevant field of study** from Technical University of Mombasa, or an equivalent qualification from a recognized University. A prospective Ph.D. candidate shall submit and defend a research proposal through the Institute of Computing and Informatics, as required by the University's academic policy. Other Institute and departmental regulations shall also apply.

For the Doctor of Philosophy in Information Technology programme, the minimum entry requirement is a Master's degree in **Information Technology, Computer Science, Information Systems**, or a relevant field, from TUM or an equivalent qualification from a recognized university.

What you will learn

At the end of the programme, the candidate is expected to:

- Locate, retrieve, review, and interpret current Information Technology literature using modern literature search methods.
- Critique, integrate, and synthesize knowledge in Information Technology, as well as contribute to new scientific findings in research and industry.

- Demonstrate originality and independent thought in research that leads to new knowledge in the theory and practice of Information Technology.
- Formulate, plan, and conduct scholarly research, and communicate findings within professional and ethical integrity through the production of a research-based thesis and publications.

Career prospects

The curriculum identifies potential demand for PhD graduates in Information Technology in industry, research institutions, and academia. It also identifies sectors such as transport and logistics, mining, manufacturing, and agriculture as areas that may benefit from research undertaken in the programme.

Potential career opportunities include:

- University Lecturer
- Academic Researcher
- Research Scientist
- IT Research and Development Specialist
- Chief Information Officer (CIO)
- IT Consultant
- IT Innovation Specialist
- Research Project Director
- Technology Policy and Strategy Advisor

Fees

Computer Science and Information Technology - PhD / Doctorate fee structure · amounts in KES per semester (version 1)

	Semester 1	Semester 2	Year total
Year 1	195,825	186,825	**382,650**
Year 2	96,150	0	**96,150**
Year 3	96,150	0	**96,150**
Total for the programme			**574,950**
Application fee (paid once, when you apply)			**3,000**

How to apply

Apply online through the student information system at **smis.tum.ac.ke/application/register**. Have your academic certificates, national ID or passport and a passport photograph ready. For admission dates, requirements for your intake and help with your application, contact the office above.

Contact us

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