

# Table of Contents

No entries found for the Table of Contents.

## Home - Mbarara University of Science and Technology

- [Apply Now](#)
- [Timetables](#)
- [Academic Calendar](#)
- [Student Portal](#)

## Mbarara University of Science & Technology

- [\[email protected\]](mailto:[email protected])
- [+256 780 199188](#)

## Succeed We Must

- [Home](#)
- [About Us](#)[Close About Us](#)[Open About Us](#)[About MUST](#)[History](#)[The 1989 MUST Statute](#)[Vision and Mission](#)[Facts & Figures](#)[Study Centres](#)[University Anthem](#)[Staff Profiles](#)[Governance](#)[The Chancellor](#)[University Council](#)[The Vice Chancellor](#)[University Management](#)[Strategic Plan](#)[University Policies](#)[Annual Reports](#)[Services](#)[Health Services](#)[Computing Services](#)[International Relations Office](#)[Campus Security](#)[Counselling & Guidance](#)[Public Relations Office](#)[University Library](#)

## About MUST

- [History](#)
- [The 1989 MUST Statute](#)
- [Vision and Mission](#)
- [Facts & Figures](#)
- [Study Centres](#)
- [University Anthem](#)
- [Staff Profiles](#)

## Governance

- The Chancellor
- University Council
- The Vice Chancellor
- University Management
- Strategic Plan
- University Policies
- Annual Reports

## Services

- Health Services
- Computing Services
- International Relations Office
- Campus Security
- Counselling & Guidance
- Public Relations Office
- University Library
- Study At MUST
  - Close Study At MUST
  - Open Study At MUST
  - Admissions
  - Apply Online Application
  - guidelines
  - Call for Applications
  - Graduate Programmes
  - Undergraduate Programmes
  - Undergraduate Programmes
  - Admission
  - Lists
  - Scholarships
  - Current Students
  - E-Learning
  - Student Portal
  - Academic Calendar
  - International Students
  - Life on Campus
  - Campus
  - Students Guild
  - Sports & Recreation
  - Graduation Requirements

## Admissions

- Apply Online
- Application guidelines
- Call for Applications
- Graduate Programmes
- Undergraduate Programmes
- Admission Lists
- Scholarships

## Current Students

- E-Learning

- International Students
- Life on Campus
- Students Guild
- Sports & Recreation
- Graduation Requirements
- Academic Units
  - Close Academic Units
  - Open Academic Units
  - Faculty of Medicine
  - Faculty of Applied Science and Technology
  - Faculty of Computing and Informatics
  - Faculty of Science
  - Faculty of Business and Management
  - Sciences
  - Faculty of Interdisciplinary Studies
  - Institute of maternal newborn and child health
  - Institute of Tropical Forest Conservation
- Faculty of Medicine
- Faculty of Applied Science and Technology
- Faculty of Computing and Informatics
- Faculty of Science
- Faculty of Business and Management Sciences
- Faculty of Interdisciplinary Studies
- Institute of maternal newborn and child health
- Institute of Tropical Forest Conservation
- Research & Innovation
  - Close Research & Innovation
  - Open Research & Innovation
  - Research
  - Research Ethics Committee
  - Grants Office
  - Research Conferences
  - Centre for Innovations and Technology Transfer
  - Pharm-bio Technology and Traditional Medicine Centre
  - Postgraduate Graduation Book of Abstracts
  - News
- Collaborations
  - Close Collaborations
  - Open Collaborations
  - Collaborations & Partnerships
  - Signed Institutional MOUs
  - Projects and Studies
- Collaborations & Partnerships
- Signed Institutional MOUs
- Projects and Studies

- Contacts

## Announcements

Applications for 2025-26 Queen Elizabeth Commonwealth Scholarships (cycle 2) are now open

Government Sponsorship (National Merit) 2025/2026 List

Free online Runyankole lessons. Join us for the second lesson through MUST-IUC -UCoBS Sub Project 6

Mbarara University of Science and Technology PWDs Association- Subscription

Free online Runyankore lessons. Join us for the first lesson through MUST-IUC -UCoBS Sub Project 6

Succeed

We

**MUST**

Mbarara University of Science and Technology (MUST) equips students for successful careers through quality education focused on science, technology and community development. Our programmes emphasize practical skills and global relevance, ensuring graduates are prepared for local and international opportunities.

University News

Easter Greetings from MUST

Nursing and Midwifery students clinch victory in Inter-University Quiz

MUST Pharmacy Students triumph with Digital Innovation Award

MUST Council retreat concludes with strategic planning and new member inauguration

Enroll for the 2025/26 Admissions

## Uganda's 2nd Oldest Public University

We are dedicated to fostering academic excellence and transformative experiences. Embrace quality education and unparalleled opportunities at our distinguished university Academic Units;

- Medicine
- Applied Science & Technology
- Computing & Informatics
- Maternal Newborn & Child health
- Business & Management Sciences
- Interdisciplinary Studies
- Tropical Forest Conservation

## Quick Facts About MUST

Experience the remarkable ascent of MUST: soaring graduation rates, elevated research project funding, and prestigious national acclaim. Dive into our dynamic journey towards excellence and innovation.

## Research Highlights

MUST takes giant leap with the launch of Holdings Limited Operational manual!

From ideas to impact: The role of STI in Uganda's economic growth

## MUST spearheads AI Project to improve Maternal Health in East Africa

MicroResearch Initiative under the Department of Maternal Newborn and Child Health Research at MUST Expands to Uganda Prisons Service

### Upcoming Events

Discover what's next! Explore upcoming events at MUST to find exciting opportunities for learning, networking, and engagement. From conferences and workshops to cultural celebrations and alumni reunions, there's something for everyone.

08

2025

- 8:00 AM
- UCoBs Boardroom-Mbarara University of Science and Technology, Mbarara-Uganda

### ICTP PHYSICS WITHOUT FRONTIERS UGANDA: East African Training Workshop on Machine Learning and Data Science Applications in Space Weather and Ionospheric Research

- Jobs & Careers
- MUST Newsletters
- Admissions Lists
- How to Apply
- Alumni
- FAQs

### Quick Links & Resources

- Elearning
- Accommodation & Student Housing
- Religion & Spirituality

- Staff Portal

## Faculties & Institutes

- Institute of Maternal Newborn and Child health

## MUST Campuses

- Main Campus
- Kihumuro Campus
- Mbarara University of Science and Technology P.O BOX 1410, Mbarara, Uganda
- +256485421373

Subscribe

- Apply
- Research
- Library
- Events

## Key Resources

- Downloads

## Quick Navigation

- University Leadership
- Policies
- University Health Services
- International Office
- Public Relations
- Students Leadership
- Dean of Students

## Computing on Campus

- Email Access

- AIMS for Students
- AIMS for Staff
- About Us
  - About MUST
  - Vision and Mission
  - Facts & Figures
  - Study Centres
  - University Anthem
  - Staff Profiles
  - Governance
  - The Chancellor
  - University Council
  - The Vice Chancellor
  - University Management
  - Strategic Plan
  - University Policies
  - Services
  - University Library
  - Computing Services
  - Health Services
  - International Relations
  - Public Relations
  - Campus Security
  - Counselling & Guidance
- About MUST
  - Vision and Mission
  - Facts & Figures
  - Study Centres
  - University Anthem
  - Staff Profiles
- Governance
  - The Chancellor
  - University Council
  - The Vice Chancellor
  - University Management
  - Strategic Plan
  - University Policies
- Services
  - University Library
  - Computing Services
  - Health Services
  - International Relations
  - Public Relations
  - Campus Security
  - Counselling & Guidance
- International Relations
- Study at MUST
  - Admissions
  - Apply Online
  - Application guidelines
  - Call for Applications
  - Graduate Programmes
  - Undergraduate Programmes
  - Admission Lists
  - Scholarships
  - Current Students
  - E-Learning Student Portal
  - Academic Calendar
  - International Students
  - Life on Campus
  - Students Guild
  - Sports and Recreation
  - Graduation Requirements
- Admissions
  - Apply Online
  - Application guidelines
  - Call for Applications
  - Graduate Programmes
  - Undergraduate Programmes
  - Admission Lists
  - Scholarships
- Current Students
  - E-Learning Student Portal
  - Academic Calendar
  - International Students
  - Life on Campus
  - Students Guild
  - Sports and Recreation
  - Graduation Requirements
- Sports and Recreation
- Academic Units
  - Faculty of Medicine
  - Faculty of Applied Sciences and Technology
  - Faculty of Computing and Informatics
  - Faculty of Science
  - Faculty of Business and Management Sciences
  - Faculty of Interdisciplinary Studies
  - Maternal Newborn and Child Health Institute
  - Institute of Tropical Forest Conservation
- Faculty of Applied Sciences and Technology
- Faculty of Interdisciplinary Studies
- Maternal Newborn and Child Health Institute
- Research & Innovation
  - Research Projects
  - Directorate of Research and Graduate Training
  - Research Ethics Committee
  - Grants Office
  - Research Conferences
  - Centre for Innovations and Technology Transfer
  - Pharm-bio Technology and Traditional Medicine Centre
  - Postgraduate Book of Abstracts
- Research Projects
- Postgraduate Book of Abstracts
- News & Events
- Collaborations
  - Collaboration and Partnership
  - Institutions that MUST has MOUs with
- Collaboration and Partnership
- Institutions that MUST has MOUs with

Search MUST

# Academic Calendar - Mbarara University of Science and Technology

Home»Academic Calendar

Semester I- 2024/2025 Academic Year

Activity

Dates

# History - Mbarara University of Science and Technology

[Home](#)»[About Us](#)»[About MUST](#)»[History](#)

Mbarara University of Science and Technology (MUST), a pivot of higher education in Uganda, traces its roots back to October 1989. Initially housed within the repurposed Mbarara District Hospital's School of Midwifery, the university was formally established through the Mbarara University of Science and Technology Statute 1989, enacted by the National Resistance Council.

Founded amidst the economic and social turmoil of the 1970s and 1980s, MUST emerged as a beacon of hope, reflecting the government's recognition of higher education's pivotal role in national development. With a keen focus on science and technology as the drivers of progress, the university embarked on its mission to cultivate skilled professionals.

Under the leadership of its inaugural Vice Chancellor, Professor Frederick Ian Bantubano Kayanja and in collaboration with Cuban professors, MUST's journey commenced with the Faculty of Medicine, admitting its first cohort of 43 students to pursue the Bachelor of Medicine and Bachelor of Surgery (MBChB) degree.

Over the years, the university expanded its horizons, establishing the Faculties of Science and Development Studies, as well as the Institutes of Computer Science and Tropical Forest Conservation. By January 2012, MUST had grown significantly, nurturing a student population of 3,508.

A pivotal milestone was achieved in May 2012 with the inauguration of the Kihumuro campus, a spacious facility strategically located along the Mbarara-Bushenyi road. This marked a new chapter in MUST's history, accommodating the Faculty of Applied Science and Technology and symbolizing the university's commitment to comprehensive academic offerings.

The Kihumuro campus now houses the Faculties of Computing and Informatics and Applied Sciences and Technology, fostering a vibrant academic environment.

MUST has consistently demonstrated growth in infrastructure, faculty, student enrollment, partnerships, innovations, and academic achievements. Professor Celestino Obua, the second Vice Chancellor, left an enduring legacy through his contributions to research, grant acquisition, and publications during his ten-year tenure.

In a historic appointment on August 2, 2024, Professor Pauline Byakika Kibwika became the university's third Vice Chancellor, making history as the first female to lead MUST.

As MUST continues to evolve, it remains steadfast in its dedication to producing skilled graduates who contribute meaningfully to Uganda's development.

# Vision and Mission - Mbarara University of Science and Technology

[Home](#)»[About Us](#)»[About MUST](#)»[Vision and Mission](#)

**Mission** To provide quality and relevant education at national and international level with particular emphasis on Science and Technology and its application to community development.

**Vision** To be a centre of academic and professional excellence in Science and Technology.

# Facts & Figures - Mbarara University of Science and Technology

[Home»](#)[About Us»](#)[About MUST»](#)[Facts & Figures](#)

**Campuses & Liaison Office - Mbarara University of Science  
and Technology**

## **Campuses & Liaison Office**

[Home»](#)[About Us»](#)[About MUST»](#)[Campuses & Liaison Office](#)

# University Anthem - Mbarara University of Science and Technology

[Home»](#)[About Us»](#)[About MUST»](#)[University Anthem](#)

# The Chancellor - Mbarara University of Science and Technology

[Home](#)»[About Us](#)»[Governance](#)»The Chancellor

Professor Charles Mark Lwanga Olweny, MBChB, MMed, MD, FRACP, is a Ugandan physician, oncologist, academic and medical researcher.

Charles Olweny served as the director of the Uganda Cancer Institute, from 1972 until 1982. Under his stewardship, the team of Ugandan medical researchers that he led were the first group to demonstrate that liver cancer could be successfully treated with chemotherapy using the drug doxorubicin, which is still the mainstay of treatment for liver cancer today. They were also able to confirm that Burkitt lymphoma could be cured with a high dose of chemotherapy and showed that the same was true for childhood Hodgkin disease. They documented the incidence of endemic Kaposi's sarcoma in children and conducted clinical trials on how to treat it.

During the same time frame, Olweny served – first as a lecturer, then senior lecturer and later as professor of Medicine – in the Faculty of Internal Medicine, at Makerere University School of Medicine, serving as head of department, from 1979 until 1982. While in Australia, during the 1980s, he served as clinical professor at the Department of Medicine & Surgery, University of Adelaide, Adelaide, South Australia. He also served as senior director for Medical Oncology, Cancer Control Programme, Royal Adelaide Hospital.

In the 1990s, Dr. Olweny migrated to Winnipeg, Manitoba, Canada, to take up appointment as medical oncologist at St. Boniface General Hospital, in Winnipeg. He also served as coordinator, Section of Hematology & Oncology at Cancer Care Manitoba, and as an associate staff at the Health Sciences Centre in Winnipeg. He was appointed to his present position in 2006 and assumed office in September of that year. Professor Charles Olweny has written over 20 books and over 120 professional articles. On 1 January 2015, Professor Olweny retired as the Vice Chancellor of Uganda Martyrs University, handing over to Prof. Dr. John Chrysostom Maviiiri, formerly Vice Chancellor of the Catholic University of Eastern Africa in Nairobi.

Prof. Charles Olweny was installed Chancellor of Mbarara University of Science and Technology on 28 October 2017.

Professor Olweny attended St. Peter's College Tororo, for his O-Level education (S1-S4). He attended St. Mary's College Kisubi for his A-Level classes (S5-S6). In 1961, Olweny entered Makerere University School of Medicine, the oldest medical school in Uganda and East Africa, which was founded in 1924, graduating with the degree of Bachelor of Medicine and Bachelor of Surgery (MBChB), in 1966. Later, he obtained the degree of Master of Medicine in Internal Medicine (MMed). He followed that with the degree of Doctor of Medicine (MD), all from Makerere University. Olweny's chosen speciality is medical oncology.

# **University Council - Mbarara University of Science and Technology**

[Home](#)»[About Us](#)»[Governance](#)»[University Council](#)

## **The 8th University Council**

The University Council is the supreme governing body of the university. It is composed of the following members:

# The Vice Chancellor - Mbarara University of Science and Technology

Home»About Us»Governance»The Vice Chancellor

Pauline Byakika-Kibwika, is a Professor of Internal Medicine and Epidemiology and has been the Head of Department of Internal Medicine at Makerere University College of Health Sciences. She is a Fellow of the Uganda National Academy of Sciences, a Fellow of the East Central and Southern Africa College of Physicians and a Fellow of the Royal College of Physicians of Edinburgh. She holds an earned Doctor of Philosophy in Clinical Pharmacology and Therapeutics from Trinity College Dublin, Ireland, and completed post-doctoral studies. She holds two Masters degrees, the first one in Epidemiology and Biostatistics and another, Master of Medicine in Internal Medicine, both obtained from Makerere University, Kampala. She holds a certificate in leadership obtained from Harvard School of Public Health, Harvard Kennedy School, Harvard University, USA. Her academic journey of higher education started in 1993 when she joined Makerere University Medical School, where she has served in various capacities until the time of her appointment as the 3rd Vice Chancellor of MUST.

Her PhD studies focused on strengthening biomedical research capacity, culminating in the establishment of a clinical pharmacology research unit at the Infectious Diseases Institute, College of Health Sciences, Makerere University, and embarking on a journey that has given her local, regional, and international experience working with different ministries in Uganda, the East African Community, the East African Health Research Commission, the World Health Organization, the Clinton Health Access Initiative, Tullow Oil Uganda Pty and Total Exploration and Production Ltd.

Her post-doctoral studies were funded by the prestigious 3-year EDCTP1 Senior Fellowship, for which she performed randomized clinical trials to investigate treatment options for severe malaria in children and provided leadership to a team of national trainers on management of severe malaria and its complications. Successful completion of this research work facilitated her to win another prestigious award of the 5-year EDCTP2 Senior Fellowship, which she used to evaluate strategies for optimizing malaria treatment for HIV-Malaria co-infected individuals.

Prior to her appointment as the 3rd Vice Chancellor of MUST, Professor Byakika-Kibwika served as:

- The Chair of the Department of Medicine, School of Medicine, College of Health Sciences, Makerere University, Kampala (MakCHS), leading a team of professors and other academics, including the former Principal of the College, Prof. Nelson K. Sewankambo; two former Deans, School of Medicine, Prof. Moses R. Kamya and Prof. Harriet Mayanja; and the current Principal of MakCHS, Damalie Nakanjako. She has blossomed and flourished from a cradle of leadership in the celebrated MakCHS.
- Head, Infectious Diseases Unit, Department of Internal Medicine,
- Director, Directorate of Research and Chair Scientific Review Committee, Department of Internal Medicine,
- Past President, Uganda Society for Health Sciences
- Past Vice President, Uganda Medical Association
- Past Vice President, Association of Physicians of Uganda
- Commissioner, East African Health Research Commission, and is still
- A former member of the National Accreditation Committee for Research Ethics Committees in Uganda at the Uganda National Council for Science and Prof. Pauline was on the team that developed the current version of the UNCST National Guidelines for Research involving Humans as Research Participants, the “brown bible” for anyone conducting such research in Uganda.
- A member of the National Task Force that guided the development of the National Guidelines for Use of Animals in Research and Teaching,

- A current member on the Ministerial Scientific Advisory Committee on Ebola
- A current member on the Ministerial Scientific Advisory Committee on Malaria
- A current member on the Ministerial Scientific Advisory Committee on COVID-19
- Chairperson of the MakCHS' Women Scientists' Career Development Program
- Chairperson of the MakCHS Mentorship Program

Prof. Pauline Byakika-Kibwika has a strong track record in research, publications, student supervision, and resource mobilization through winning grants. She has co-authored more than 78 peer-reviewed publications and 19 conference papers. Her contribution to science is greatly cited, with a research interest score of 942.2, 1,506 citations, and an h-index of 23 by Research Gate. She has supervised scores of postgraduate students and is a member of nine doctoral committees. Besides research, Pauline is a reviewer of notable peer-reviewed journals: Lancet, PLOS One, African Health Sciences, Journal of Antimicrobial Chemotherapy, Antimicrobial Agents and Chemotherapy, East African Health Research Journal, East African Science Journal, BMC Infectious Disease Journal. She is a Review Editor on the Editorial Board of Infectious Diseases & Surveillance, Prevention and Treatment, of Frontiers in Medicine and Frontiers in Public Health.

Prof. Byakika-Kibwika has vast experience in networking, negotiation, collaboration, and resource mobilization, as evidenced by successfully competitively winning health research grants— a journey that started as early as 2000 when she obtained the Fogarty International Center/NIH Scholarship for an MSc degree in Epidemiology and Biostatistics. Two years later, in 2002, she obtained another Fogarty International Center/NIH Scholarship for a Master's Degree in Internal Medicine.

She has been the Principal Investigator (PI) and Co-Investigator on several HIV, malaria, tuberculosis, COVID-19, and research ethics capacity-building projects. Important to note and of particular interest to MUST, Prof. Pauline is the PI of SCALE-IT, “Scaling up capacity to support conduct of clinical trials in the East African Community”, funded by the European Commission- EU, “Towards eliminating HIV in Uganda by 2030: Preparing Ethical Review Committees to Support this Agenda” funded by the US NIH, and also led the concluded “WomenScientists'CareerDevelopment Program (WoSCaDeP)”, funded by the TDR/WHO.

She has been principal investigator of 12 locally and internationally funded projects, co-investigator of another 11 international projects, and two big projects funded by the government of Uganda under the Ministry of Science, Technology, and Innovations.

# University Management - Mbarara University of Science and Technology

[Home](#)»[About Us](#)»[Governance](#)»[University Management](#)

# University Library - Mbarara University of Science and Technology

Home»University Library

## BACKGROUND OF MUST LIBRARY, ITS SECTIONS AND SERVICES

Mbarara University library started in 1989 with the founding of Mbarara University of Science and Technology in its core functions of teaching, learning, and research through the provision of information resources and services. The library started from a humble beginning with the library building which would only house forty stacks with a book stock of five thousand five hundred fifty (5550) volumes most of which were donations. The sitting capacity was seventy three (73) seats; there were no proper working area and offices. There were four (4) members of staff manning it.

- Background
- Objectives and Values
- Library – Services
- Library Sections
- Online Journals

With the increasing number of library users resulting from yearly student in-take and the annual book stock, the University was faced with the challenge of expanding the existing library structure. Fortunately through the Government funding and fundraising from well-wishers a storeyed library building was commissioned by His Excellency Yoweri Museveni in 1998. By 2001 the building was completed and functioning. This is in manifestation of fifth law of Library Science as stated by Dr Ranganathan (1891) who is referred to as the “Father.” of Librarianship that a “Library is a growing organism.”

Today the library has a collection of over 85,000 monographs with annual addition of about 2800 textbooks and subscribes to electronic information resources such as; e- databases of scholarly journals, CD-ROM, among others. There is also a book bank system with a collection of basic textbooks for the taught courses. It has a sitting capacity of 700 readers, but still there is need to extend the existing library building to create more reading space for the increasing number of students and staff.

However, in the meantime departmental libraries have been established e.g. Pharmacy, IITR, Management Science, among others to minimize the challenge of space shortage. There are 9 qualified members of staff i.e. 2 holding Masters, 2 Bachelors, 2 Diplomas, and 3 Certificates in Library and information studies

In long term, the University has secured money from African Development Bank (ADB) to construct a 1,500 seater library at the new site at Kihumuro. The architectural design is in place and construction work is expected to start early next year (2015). According to the plan the library structure is expected to provide enough reading space, space for shelves and stacks, seminar rooms, offices, technical room, Archive, among others. This will also come with its challenges but we shall cross the bridge when we reach it.

### Mission

MUST library draws its strength in terms of information resources from being a member of the Consortium of Uganda University libraries, who negotiates for low cost electronic information resources, such as international databases, e-books, and scholarly on-line journal articles covering various subjects. This has enhanced access to up – to date peer reviewed literature. Today a total no. of 90 computers is connected to internet. The library collection is accessed through on-line public access catalogue (OPAC) locally designed and KOHA library

management system in which data entry is ongoing.

The University library has local and International development partners such as Lund University, Cornell University, British library, among others. This partnership has enhanced service delivery through services like electronic document delivery where documents that are not available in the library are obtained from our partner libraries. The library has donor support such as SIDA –SAREC, Book Aid International (BAI) and American Embassy-Uganda among others.

However, there are challenges and threats which the library is facing and will continue to face but service delivery must continue. **SUCCEED WE MUST**

**Vision:**

A centre of excellence in provision of information services for the advancement of knowledge.

**Mission Statement:**

The Mission of Mbarara University Library is to support and supplement the teaching and research activities of the University through provision of information and other services.

## **OBJECTIVES**

1. To select and acquire the best and affordable current seminal world thought to support the diversified academic and professional fields offered by the University and provide general support to national development.
2. To effectively process, preserve, provide access to and/or disseminate information available in the house or through international databases and inter-library loans.
3. To foster a caring and supportive environment in which service to customers is paramount.

## **CORE VALUES**

- Transparency
- Excellence
- Integrity
- Efficiency
- Accountability

Services in this section are provided as follows:

**Quick reference:**These are general queries which require quick reference Assistance, using standard “Ready reference tools such as Directories, Almanacs, Encyclopedias, Dictionaries, etc.

**Search type questions:**These require assistance in the use of catalogues and electronic resources such as the CD-ROMs, electronic journals and general Internet access.

**Selective Dissemination of Information (SDI):**Faculty members and students who have indicated their teaching and research profiles are individually provided with a list of newly acquired materials and information deemed useful for their teaching and research needs.

## **Inter – Library Loans (ILL)**

ILL enables the academic faculties, students and other members to borrow researched materials not available in MUST Library, from the sister libraries of the consortium of University Libraries in Uganda. The members of the consortium are:

- Makerere University Library
- Kyambogo University Library

- Uganda Christian University Library
- Uganda Martyrs University Library
- Nkumba University Library
- Bugema University Library
- Gulu University, to mention a few

International Affiliation

Lund University Sweden

American Embassy– KAMPALAThe American Educational Advising Center (MUST)

The Public Affairs Section (PAS) of the U.S. Embassy in Kampala entered into a partnership with MUST Library. The partnership was an effort to help U.S. Embassy (PAS) to expand its range of educational advising services to South-Western region. So this led to the creation of Educational Advising satellite center at MUST. The center helps students who previously had to travel to Kampala in order to access information on Study in the United States.

If you want to study in United States, the American Educational Advising Center will HELP YOU:

Understand the American system of education  
 Have access to U.S. University and College guides  
 Access test preparation materials  
 Have access to Internet to research on American Universities and Colleges  
 Identify and select the right program and institution  
 Work out a proper application timeline  
 Register for standardized testing  
 Fill out the application forms  
 Prepare yourself to go .... Thanks to the Pre-departure Orientation Sessions

There are currently five major sections of the Library, which provide services to Students and Staff to ensure that the quality of teaching and learning as high as physically possible.

## **Library- Circulation Section**

The circulation section has the following Functions and Services:

- Registration of Library users
- Issuing borrowing cards
- Lending and Receiving books
- Book reservation
- Current awareness
- User education

Information/Help desk

## **Learning Center**

The learning centre was established in August 2004 through the collaboration between Lund University, Sweden and MUST, Uganda. After the winding up of the collaboration/project, the management of the centre was handed over to the library and it has become one of the sections of the library to generate income for the university. Activities for income generation

- Internet subscription
- Photocopying
- Printing and spiral binding
- Laminating
- Scanning

#### OTHER E-SERVICES INCLUDE:

- Instructions on how to access electronic journals
- Information search skills training
- Usernames and Passwords to databases MUST Library Subscribes to
- Guidance on research literature review
- Guidance on how to use reference management software (Endnote)

### Library- Periodicals Section

The Periodicals Section is located on the ground floor and the collection includes the following:

- Serials
- Journals (print versions)
- Magazines
- Newspapers
- Reports
- Abstracts and indexes

Periodical literature is not loaned-out in most cases; it is read within the Library. However, it can be lent out for at least two days if a user shows a need.

### Library- Reference Section

The Purpose of Reference Section and Information services are:

- To develop and maintain an up-to-date, relevant and readily accessible reference collection.
- To meet the general information needs of the Library clientele, notably students and Faculty members.

### Library- Short Loan Section

This section has collections of books, which are on high demand and are lent for a short period of time to be used within the Library. The collection consists of textbooks for undergraduate and postgraduate studies based on recommendations of the academic staff and departments.

## The Library Book Bank Section

This is a section where books are lent out to users for a long period of time usually a whole term/semester. Objectives:

- To ensure availability of basic textbooks to students against limited funds.
- To develop a system capable of sustaining University education system amidst students' inability to buy/acquire correct textbooks.
- To promote effective sharing of books/resources among students.
- To effectively utilize the limited reading materials in the section.
- To develop students ability to handle property loaned to them.
- Suggestion Box

## Library – LibHub Online Journals

A first-of-its-kind online workspace for researchers and students is now available through MUST Library and Consortium of Uganda University Libraries (CUUL) [atlibhub.sempertool.dk](http://atlibhub.sempertool.dk)

Kiox began with the idea that researchers and students should have instant access to the most up to date resources available. Less time waiting for web pages to load or drudging through millions of resources to find that one article, and more time discovering, discussing, creating, sharing, and applying new knowledge.

It covers all the journals, articles, e-books, and database links previously accessed through Research for Life (HINARI, AGORA, and OARE), all databases paid for through INASP/Peri arrangements and open access resources for the academic community. The link can be found [hereresearch4life.org](http://hereresearch4life.org)

The features are very easy to use; e.g. you can carry out simple search and advanced search and get full-text articles. You can also browse to see if what you are looking for is available, after which you can save your hits in your collection. However, you will need to go through a simple registration process to create a folder for your collection.

Kiox is an evolving resource that will continue to improve based on user feedback, new applications, and new technology. I therefore urge you all to take advantage of this useful tool to ease your research and also encourage colleagues and students to make use of the tool.

Please feel free to contact me, Wilson Adriko, at MUST Library, e-mail [email protected]/[email protected] or on mobile 0782605969 for additional information, suggestions, experience sharing, and or assistance.

Additional electronic resources: A complete listing of all electronic resources available at MUST can be found here. For websites that are password-protected, please enquire at the library for the password.

- Duties & Responsibilities
- Staff Members

## Activities

## Contact Details



# Counselling and Guidance - Mbarara University of Science and Technology

## Counselling and Guidance

Home»Counselling and Guidance

Kahima Maureen

### GUIDANCE AND COUNSELING SERVICES

The University has Counselors to help students deal with psycho-social and academic concerns. Additionally, students may seek guidance on academics from their lecturers, Dean of their faculty or the Office of the Academic Registrar.

Counseling services are designed to support students during their stay at the University. This facilitates the educational, personal, social, emotional and career development of the students. Counseling provides a safe and confidential space of talking to trained personnel.

The counselor may facilitate referral to other community resources such as Mbarara Regional Referral Hospital and peer services.

#### Guidance

Guidance as a component of education focuses on helping individual students make informed decisions about their personal academic and career choices. Guidance aims at assisting students in developing their strengths, acquiring necessary skills, and exploring various options to enhance their personal and professional growth. This encompasses a range of activities, including career exploration, goal setting, study skills development, and decision-making strategies.

At the end of the study programs, the department organises training on life after campus as a way of preparing them for...Show more

At the end of the study programs, the department organises training on life after campus as a way of preparing them for transitioning process.

### PEER EDUCATION SERVICES

Mbarara University of Science and Technology has robust peer services that provide peer support to fellow students in enhancing their campus experience.

MUST Peer Services work on the rational of peer education, the peers are perceived to be a trusted and credible source of information, as they share similar experiences and social norms. MUST Peer Services aim at providing a avenue that empowers students to work together and draw on the positive strength of the peer groups.

# International Office - Mbarara University of Science and Technology

Home»International Office

**Sheila Olivia Ninye**

- About Us
- Academic Programs
- Pre-arrival Information
- Partnerships
- IRO's Message

The International Relations Office, A Home Away From Home

The International Relations Office is dedicated to making a stay at Mbarara University of Science and Technology (MUST) a valuable experience for foreign students. It is the contact point for guests for all matters concerning the organization of studies at the university. We look forward to a multinational and multicultural campus life, where everyone feels integrated.

The International Relations Office (IRO) is under...Show more

The International Relations Office (IRO) is under the Vice Chancellor's office to coordinate and sustain global relations, partnerships, collaborations and networks by closely working with the different facilities, institutes, Dean of students office and the Students Guild Ministry of Foreign Affairs and Public Relations. This is geared towards increasing MUST excellence and visibility at the international scene. Through this office, international students and other visitors are oriented and ushered into MUST, and Uganda at large. This specifically includes general orientation and guidance, coordinating the acquisition of students' passes, recommendation for new visas and renewals, coordinating accommodation of international students and visitors and organizing language classes. The IRO ensures that all international visitors feel at home by coordinating their official requirements and welfare while at the University.

## 1.0) Full time Programs

MUST has over 90 undergraduate and postgraduate programs. For more information on the overview, minimum requirements and fee structure, click on the programs found in the links below:

Undergraduate:<https://www.must.ac.ug/undergraduate-programs/>

Postgraduate:<https://www.must.ac.ug/post-graduate-programs>

## 1.1) International Placement/Electives

For applications of international placements, electives and rotations, click on the link here.

Applications from students of institutions MUST partners are encouraged. Semester time is the most appropriate especially for clinical placements unless a community placement is planned for.

The IRO handles international placements, electives and rotations. The office receives, and reviews applications for international students on clinical and community placement, residents, fellows, visiting lecturers and professors to and from MUST. Below is a link to the occasional international student application form. Placements and rotations for students from universities with partnerships are highly encouraged.

#### 1.1.1 Countries of origin of International Students

MUST has full time and Occasional international students from different countries including Kenya, Democratic Republic of Congo, Somalia, South Sudan, Tanzania, Rwanda, Burundi, Ghana, Cameroon, Sierra Leone, Swaziland, Nigeria, Benin, India, Egypt, Sweden, Belgium, United States of America, Canada, Germany and Austria. We gladly welcome students from many other countries.

- Application requirements <https://www.must.ac.ug/admission-requirements/>

#### 1.2) Application process

Applications are invited from eligible candidates for programs offered by MUST. The applications for Master's students are usually open in March and undergraduate (Diploma entry) April-May each year. For PhD and occasional students the applications are open all throughout the year. Follow the link to apply; <https://applications.must.ac.ug/>. For further details, send an email to [email protected] or call +256-414-668971.

#### 1. Visa Support for Visitors and Students

Visas and immigration information

Visa requirements:

Traveling to Uganda <https://visas.immigration.go.ug> please visit the website for details on how you may apply for a visa for your stay in Uganda.

Note: Your passport's expiry date should be beyond the period of your designated stay at the University.

Detailed Visa process

- Go to <https://visas.immigration.go.ug>
- Look for visas/permit on the upper taskbar, check out for visas under the drop down box and read about the requirements.
- Then proceed to applications (also on the upper taskbar)
- You will apply online for your entry visa online before you come to Uganda which is \$100
- On arrival at Mbarara University of Science and Technology (MUST), you will apply for a student pass/ work permit that will enable you to stay for twelve months/one year (The IRO will ably take you through this process but the details can also be found on the same website).
- East Africans are exempted from paying for a Ugandan Visa.

## 2. How to get to Mbarara University of Science and Technology from Entebbe International Airport

Its 295km and approximately 5 hours from Entebbe to Mbarara

Public means

You will need a cab from Entebbe Airport to the Global bus park in Kampala to cover the distance of 47 km at a fee of about 32 USD or 120,000 UGX.

It is about four and a half hours from Kampala to Mbarara. If you choose to come by bus, Global Coaches is the best choice from Kampala at 08 USD or 30,000 UGX. Global Coaches are available 24 hours a day and there is an option of booking online- [globalcoachesug.com](http://globalcoachesug.com)

Private means

If you need to use private means from Entebbe straight to Mbarara, it costs from 140 USD to 200 USD(Ugx 560,000 to Ugx 800,000)

Contact the International Relations Office for more information.[email protected]

## 3. Weather considerations

Uganda has a tropical climate with temperatures ranging from 21- 25 Degrees Celsius (70-77 F). The hottest months are July, early August, January and early February. Evenings can feel cold after the heat of the day with moderate temperatures. Most regions of Uganda, apart from the dry area in the north, have an annual rainfall of between 1000mm and 2000mm. There is heavy rain between March and May, and between Mid August October and November, It can really rain and shine at anytime!

## 4. Average expenses per day

Living standards are medium in Uganda. Most daily services are in easy to reach areas and are walkable from campus. The town center is an 8-minute walk from the University. Remember that during the first month of your stay, you may have to pay for insurance, temporary accommodation and deposits, clothing, equipment (kitchen utensils, furniture) and other things. Below you see a rough estimate of the costs a student might have. On the internet you find average prices for specific items like water, milk, a restaurant meal or clothes.

Food

What is a cost of meals (Breakfast/Lunch/Dinner) in Mbarara? What is the average cost of lunch in Mbarara?

In Mbarara, a typical fast food meal costs: 9.65 USD (35,000 UGX) for a Meal at Cafe Havana, Irish Restaurant, Big Chef or Food Mart (or similar combo meal), and 9.65 USD (35,000 UGX) for a cheeseburger. For coffee lovers: cappuccino coffee 2.20 USD (8,000 UGX) and espresso 1.50 USD (5,600 UGX). A link to some restaurants in the city centre.

More details on food items prices in Mbarara in the link below <https://www.numbeo.com/cost-of-living/in/Mbarara-Uganda>. Average meal on campus ranges from 1-2 dollars.

## 5. Accommodation

### Accommodation for full time students

Finding accommodation prior to your arrival is not easy. Sort this out as soon as possible. Prices for rooms vary between \$120 and \$300 per month depending on the type of accommodation and the location. MUST has residence accommodation available at both campuses. Priority is given to students on a first come first serve basis.

The office of the Dean of Students (DOS) is incharge of students welfare. Contact hours:

- Administration: Monday to Friday: 08:00 – 12:00 and 13:00 – 17:00
- Reception desk: Monday to Friday: 08:00 – 12:00 and 13:00 – 17:00

Tel: +256 39 3225293

Email:[email protected]

### Accommodation for international guests and occasional students on electives

MUST has accommodation at the University expatriates quarters at 5 USD per night. On behalf of MUST, the Housing Officer Lets outrooms to international students, staff and visitors. For more inquiries about the expatriates quarters and alternative hotel accommodation contact the International Relations Office[email protected]

### Accomodation rates per Month in Mbarara

#### 7.Dress code

- Culturally keep it simple and smart
- Lightweight clothes with a warm cover up for the evenings are important.
- Gentlemen: Gentle wear, office wear is long sleeved shirts, a tie, and suit trousers are encouraged for weekdays, and if on weekend duty decent casual attire may be worn.
- Ladies: Decency is encouraged, skirts and dresses that cover the knees, and your chest. Wear light makeup and few body Nose rings are not accepted during official visits.
- Business casual attire is encouraged.

If you possess tattoos, please wear clothes that cover up the tattoos as these are not culturally acceptable.

#### Do' & Don'ts

##### Do's

- Attend your lectures, ward rounds and departmental meetings as scheduled
- Always wear a name tag
- Be smart

- Carry your scrubs and lab coats for use on wards and closed shoes for your safety

- Always carry your ID

Don'ts

- Crazy haircuts hairstyles, Shorts, Open shoes, Dangling earrings

Extra items you may carry

- Book and pen to take some notes
- A box of disposable gloves for medical students
- An umbrella, a raincoat considering the unexpected weather changes
- Mosquito nets and Repellents
- Portable flat iron
- Long sleeved tops for the evenings to protect against mosquitoes
- For clinical students, medical equipment for use on wards such as stethoscopes, Blood pressure machines, thermometers.

How to keep safe your items

- Label your property like medical
- Keep note of the people with whom you share your equipment so as not to lose them

Disclaimer: The University will not be held accountable for your lost property.

Cross cutting issues

Policies on cross cutting issues include; Disability and Special needs Policy, Gender Policy, Anti-Sexual Harassment Policy and HIV/AIDS Policy, check them on the link below

Mbarara University Policies

Checklist for new international students

- Things to do before your arrival in Mbarara University of Science and Technology:Browse through this International Visitors/Student GuideFamiliarize your self with facts about MbararaCheck your health and travel documents
- Browse through this International Visitors/Student Guide
- Familiarize your self with facts about Mbarara
- Check your health and travel documents
- Once you arrived in Mbarara:Check in at the Office of the Dean of Students, Academic Registrar's Office and International Relations Office.Complete your academic registration at the designated venueYour student identity card can be picked at the Academic Registrar's office

- Check in at the Office of the Dean of Students, Academic Registrar's Office and International Relations Office.
- Complete your academic registration at the designated venue
- Your student identity card can be picked at the Academic Registrar's office
- More information: Health insurance is necessary. Open a Ugandan bank account (if you need one). Get a recommendation letter from the Dean of Students.
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- Open a Ugandan bank account (if you need one). Get a recommendation letter from the Dean of Students.
- During your stay: Have fun ■- but take care as you do! Join one of the Student Associations. Ensure to be part of the International Students Platform. Take a kiswahili/ Runyankole or english language course through the University International Relations Office. Don't miss the international students events like orientations and annual dinner. Having a good time in Mbarara? Tag us in your Twitter pictures @MbararaUST
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- Having a good time in Mbarara? Tag us in your Twitter pictures @MbararaUST
- When you leave Uganda, do not forget to: Check with your faculty if all academic matters are OK and ensure you have cleared with all the relevant departments. Degree and occasional students: collect your transcripts and certified copies, or appoint a proxy should you already be abroad. Close your Ugandan bank
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- Degree and occasional students: collect your transcripts and certified copies, or appoint a proxy should you already be abroad.
- Close your Ugandan bank

#### Degree/Occasional Student/PhD?

This Welcome Guide is for the following categories of students:

- Occasional Students (Exchange students, electives, international placements and rotations): remain enrolled at their home university and spend a study period at MUST within the framework of their study at their home university.
- Degree students: study at MUST with the intention to obtain a degree awarded by
- PhD students/candidates: perform doctoral studies and research at MUST with the intention to obtain a PhD degree awarded by MUST. Check the MUST for more information about your status as a degree PhD student/candidate.
- Exchange PhD students/candidates: remain enrolled at their home university and spend a training, study, internship or research period at MUST within the framework of their PhD study at their home university.

## Memoranda of Understanding between MUST and its partners

The IRO guides the process of establishing and maintaining links with universities and institutions outside Uganda, draws international memoranda of understanding and monitors their implementation. Below are links to institutions that MUST partners with;

<https://www.must.ac.ug/institutions-that-must-has-mous-with/>

<https://www.must.ac.ug/collaborations-and-partnerships/>

In order to have proper records the IRO ensures proper documentation of MUST-International program activities and offers overall guidance and welfare to international students, scholars and networks regarding expected ethical standards.

It is hoped that the visibility of MUST through partnerships and collaborations will be heightened for transformative global opportunities and programs.

It is with great pleasure that I extend a warm welcome to you all on behalf of Mbarara University of Science and Technology's International Relations Office. This office was opened in 2016, with a goal to promote global partnerships and support a diverse and inclusive community of International students and visitors. We are dedicated to providing you with the necessary support and guidance you need to attain your intended objectives. Whether it is assistance with settling into your new surroundings, academic collaborations, research endeavors or cultural integration, our team is here to ensure that your experience at Mbarara University of Science and Technology is both enriching and memorable.

MUST prides itself in offering a conducive and stimulating atmosphere for learning, research, innovation and community engagement, which attracts impactful partners across the world. This institution has a long-standing tradition of welcoming partners, scholars, students and professionals from around the world. May your time at Mbarara University of Science and Technology be filled with meaningful interactions, valuable experiences, and lifelong friendships.

Welcome to Uganda, the Pearl of Africa, a country renowned for its rich hospitality, that provides a wealth of opportunities for cultural immersion and exploration. Come ready to explore the breathtaking landscapes and experience the amazing traditional music and dance.

I look forward to supporting you all during your time at our esteemed University.

Thank you

Sheila Niinye Twinamatsiko

International Relations Officer

Location: Administration block MUST town campus Email:[email protected]/[email protected]

Tel: +256782595511 (Whatsapp number)

P.O Box 1410, Mbarara Uganda

# Department of Computing Services - Mbarara University of Science and Technology

## Department of Computing Services

Home»Department of Computing Services

Amos Baryashaba

About Computing Services:

The Computing Services Department is charged with the duty of planning, implementing and maintaining the university ICT infrastructure and services.

ICTs continue to play a more predominant role in the operations of organizations.

For many universities, including Mbarara University of Science and Technology, a lot of the critical business operations are not just supported but strongly hinged on ICTs and related technologies. Computing devices and infrastructure can no longer be seen as tools to support basic administrative functions but are rather the core of many critical processes.

In the case of Mbarara University of Science and Technology, there is reliance, on ICTs, to achieve the following business processes.

- Student academic and finance records processing
- Financial payments and reporting
- Teaching and learning
- Research and Science communication
- Internal communication
- Visibility
- Administration

The department is mandated to provide the following ICT infrastructure and services to the MUST community

**ICT Strategic Planning:**ICT is seen as a key driver towards the university's growth and excellence. ICT plays a critical role in enabling key university academic, research, administrative and community engagement operations.

The department maps out strategies and activities to ensure that the university remains relevant in this age of technological dominion.

**ICT Policy Framework:**Reliance on ICT technologies and tools requires that they be used within controlled mechanisms. The department spearheads the engagement on, preparation and approval of all ICT-related policies in the university.

**Network Backbone:**The department runs and manages optic fiber network backbones at both the Mbarara town and Kihumuro campuses. These backbones provide segmented internet access to most university buildings

**ICT Services/Application Hosting:**With 2 data centers at either campuses, department provides facilities for hosting and storing data while ensuring logical access through technology standards. It is also a basis for hosting a

wide range of shared applications for staff and students to access.

**Staff/Student ICT Support:** The department provides managed support mechanisms for both staff and students in their use and acquisition of ICT devices, applications and tools

**Web Services:** The department provides facilities both on the university network and in the cloud, to run web communication services on behalf of the university. A number of digital content platforms are in place to support the university's communication strategy.

**Staff/Student Mailing Service;** All staff and students are provided official university mail accounts in alignment with the university's official web domain- [must.ac.ug](http://must.ac.ug)

**Staff/Student Wireless Internet;** The service under the profile 'EDUROAM', allows access to the university Local Area Network and internet services using Laptops and Mobile Devices like Smartphones and Tablets. This service is accessible in designated hot spots at both the Kihumuro and City campus; at other designated universities in and outside Uganda and selected public places in Mbarara, Kampala and Entebbe.

**Student Computer Labs/Rooms;** All faculties/Institutes have designated computer rooms for students that do not own personal computing devices. In the university library, computers are available for purposes of searching online academic journals and library databases.

**Students' Academic Records Portal;** The service running on the Web platform <https://student.must.ac.ug> and also on selected Android mobile applications, allows students to access their academic records/results, view fees payment status as well as register for courses as per their University program.

**eLearning;** a Learning Management System running on the web platform <https://elearning.must.ac.ug> provides for interactive engagement between lecturers and students to share academic material and content for purposes of study over the internet. The platform also provides facility for online class discussion as well as assessment.

In addition, the department runs a fully-fledged digital content studio to support staff and students in development of educational digital content while being supported in key aspects of digital pedagogy, instructional design and content development.

# **University Health Services - Mbarara University of Science and Technology**

[Home»University Health Services](#)

**Beatrice Tibaijuka Kateneka**

## **HEALTH SERVICES**

The University runs two on-campus clinics that are open to all students for minor health issues while more complicated health issues are referred to Mbarara Regional Referral Hospital which is adjacent to the town campus. Students with notifiable conditions should inform the office of the Dean of Students.

**Voluntary Counseling and Testing (VCT)**

MUST has a partnership with AIDS INFORMATION SERVICES (AIC) to offer VCT services, which offers free HIV testing, free counseling, free TB screening and free testing for STIs to students and staff.

**Sexual and Reproductive Health Services**

Within the health services, there are also sexual and reproductive health services.

# Call for Applications Archives - Mbarara University of Science and Technology

Home»Call for Applications

## Call for applications for August 2025 Intake

• March 20, 2025

• Read More

## WB-ROK Scholarship Program

• March 6, 2025

**Call for Applications: Undergraduate Diploma Entry Scheme and Postgraduate programmes for the August 2025 intake.**

• February 10, 2025

## Call for Applications-Diploma Entry

• February 6, 2025

**Call for Scholarship Program: Cyber School – Mastercard Foundation**

• January 29, 2025

## STEG Funding Call for PhD Research Grant Proposals

• November 28, 2024

**Attention Researchers: International Research Data Management Training Program**

• November 23, 2024

**The Strategic Training Achievements for Research Success(STARS) Program- Call for Applications**

• November 10, 2024

## **GLOBAL INFECTIOUS DISEASES ACROSS A WOMAN'S LIFESPAN COURSE**

• November 8, 2024

## **WOMEN'S INFECTIOUS DISEASES GLOBAL SCHOLARS (WINGS) PROGRAM**

# Application guidelines - Mbarara University of Science and Technology

Home»Study at MUST»Admissions»Application guidelines

## Application Process

To apply for any of the programmes offered , please visit the application portal at <https://applications.must.ac.ug>

A guide on how to apply using the applications portal is available here.[Application portal guide](#)

Follow the link to view availableundergraduate programmes.

## ADMISSION REQUIREMENTS FOR ACADEMIC YEAR 2025/2026

### UNDERGRADUATE PROGRAMMES

#### DEGREE PROGRAMMES

The minimum requirements for admission to any Undergraduate degree programme are:

- Uganda Certificate of Education (UCE) or its equivalent with at least 5 passes.
- Uganda Advanced Certificate of Education (UACE) or its equivalent with at least 2 principal passes.
- Diploma holders must have passed with at least a credit or equivalent.
- For Mature Age Entry Scheme, applicant Must be 25 years at the time of application and above and fulfill the Mature Age Entry Scheme requirements of Mbarara University of Science and Technology.
- Holders of the Higher Education Access Certificate must have passed with a minimum CGPA of 3.60.

#### DIPLOMA PROGRAMME

The minimum requirements for admission to any Diploma programme are:

- Uganda Certificate of Education (UCE) or its equivalent with at least 5 passes
- Uganda Advanced Certificate of Education (UACE) or its equivalent with at least 1 principal pass and two subsidiary passes.
- Certificate holders must have passed with at least a credit or equivalent.
- Holders of the Higher Education Access Certificate must have passed with a minimum of a Credit.

#### INTERNATIONAL APPLICANTS

Additionally, for international applicants:

- Applicants whose first language or medium of instruction is not English, must provide evidence from a recognized English language training institution that they have sufficient command of English language.
- Applicants should have their documents equated by Uganda National Examinations Board for UCE and UACE documents and Uganda National Council for Higher Education (NCHE) for Diploma and Certificate documents.

# Graduate Programmes - Mbarara University of Science and Technology

[Home»](#)[Graduate Programmes](#)

# Undergraduate Programmes - Mbarara University of Science and Technology

[Home»Undergraduate Programmes](#)

# Admission Lists - Mbarara University of Science and Technology

Home»Admission Lists

# Scholarship Opportunities Archives - Mbarara University of Science and Technology

## Scholarship Opportunities

[Home](#)»[Scholarship Opportunities](#)

• April 17, 2025

### Cyber School-Mastercard Foundation Uganda eLearning Initiative Retention Scholarship

• March 10, 2025

### CITT Announces Winners of the 2024/2025 Product Innovation Seed Grant

• November 1, 2024

### Commonwealth Scholarships- Guidelines for Nomination from Mbarara University of Science & Technology

• August 30, 2024

### Call for applications for 1 MSc and 2 PhD candidates-EMPURECO PROJECT

• August 13, 2024

### Erasmus+ Exchange Opportunity at Radboud University, Netherlands (5 PhD Slots for MUST Staff)

• April 13, 2024

# International Students - Mbarara University of Science and Technology

Home»International Students

## INTERNATIONAL STUDENT SERVICES

MUST is a cosmopolitan community with a rich diversity that gives our students an opportunity to interact with people of different backgrounds and ultimately enriching their student experience.

In order to legally stay in Uganda, International students must have student passes which should be applied for in the first week of arrival. Subsequent passes are applied for annually until the end of the study programme.

Additional information can be obtained from the Dean of Students Office at [email protected] and International Relations Office at [email protected]

The link to the relevant immigration office is; <https://visas.immigration.go.ug/applications>

NOTE: International students are encouraged and required to register with the International Relations Office once they report. This avails them the opportunity to get proper guidance and also meet fellow international students. More information about international student life at MUST can be accessed through the email [email protected]

# Life on Campus - Mbarara University of Science and Technology

[Home»](#)[Life on Campus](#)

# Sports and Recreation - Mbarara University of Science and Technology

Home»Sports and Recreation

## Sports Union

The Union is a semi-autonomous body overseen by the sports unit and headed by the Sports Tutor. It is responsible for coordinating all games and sports activities in the students' body.

The MUST students' guild works in collaboration with management, corporate bodies and other stakeholders in ensuring students' welfare and provision of social platforms that supplement academics to provide a balanced, and conducive environment to the students.

Students are also expected to be involved in co-curricular activities such as membership to clubs or professional societies. All academic departments have students' societies. The clubs and societies are registered with the Guild.

## Sports Unit

It is a Unit within the leadership of the Dean of Student's Department which provides sports and recreation activities. Some of the sports and recreation activities provided are; Football, Rugby, Basketball, Volleyball, Table Tennis, Badminton, Tennis, Chess, Handball, Netball, Darts, Scrabble and Track & Field Athletics.

Some of the games students participate in

The Sports Unit is responsible for the maintenance of games and sports facilities in conjunction with Estates and Works Department.

Besides academics, the University encourages participation in sports and recreational activities for an all-round development of students. Under the tutelage of the Sports Tutor(s), the University organizes intramural and extramural sports activities in various disciplines.

The University also participates in open and invitational championships such as National University Games, East African University Games, East, Central and Southern Africa University Games, All Africa University Games, World University Games.

# Graduation Requirements - Mbarara University of Science and Technology

[Home»](#)[Graduation Requirements](#)

# News - Mbarara University of Science and Technology

## Trending

Mbarara University Research Ethics Education Program, spearheads Research Peer Mentoring

MUST Students sensitize morethan 320 households in Ibanda on Anthrax disease.

## Alumni Spotlight

## Latest News

The meteoric rise of Prof. Joseph Ngonzi: A catalyst for academic motivation

Cum Laude: Outstanding students in Internal Medicine receive Research Grants

## Community Engagement

## Science & Technology

Author Sheila Niinye Twinamatsiko [View all posts](#)

## Arts & Culture

## Featured Videos

The Academic Registrar welcomes you to MUST, the premier of Science Technology and Innovation.

International Women's Week Cerebrations 2024 at MUST

1,480 Students set to graduate at the 30th Graduation Ceremony of MUST

FACULTY of Medicine Documentary 2022

Enrollment, Registration, Change of Program and Joining instructions by Solomon Agum

Examination Management by Raymond Amanya

Dr. Jonathan Murungi: A shining MUST alumnus makes global impact

- April 3, 2025

Restoring dignity, one village at a time: The Story of Dr. Musa Kayondo

MUST Equips Students with Life-Saving Surgical Skills in Intensive Training Program

- April 1, 2025

Uganda's Pride: MUST Heads to Kano

Expanding Horizons: UAB and MUST Deepen Partnership for Future Growth

- March 24, 2025

Building Bridges: A New Era for Medical Laboratory Students

- March 23, 2025

Vice Chancellor engages with Faculty of Business and Management Science on Strategic Goals and Challenges

MEGASTARS:: MUST-FAST CROWNED & CHARGING TO AFRICAN STAGE

## **Call for applications – August 2025 Intake**

- March 19, 2025

## **A Legacy Revisited: MUST’s Present Leaders Connect with Past Vision**

### **Shape your future with Innovation at MUST!**

- March 16, 2025

### **MUST News Portal**

- MUST Website
- Newsletters

# Centre for Innovations and Technology Transfer - Mbarara University of Science and Technology

Home»Centre for Innovations and Technology Transfer

**Dr. Medard Twinamatsiko**

## Director's Message

Welcome to the Centre for Innovations and Technology Transfer hereafter referred to as CITT- a home for Innovations, Skilling and Technology Transfer at Mbarara University of Science and Technology (MUST). The Centre for Innovations and Technology Transfer is the latest unit to be established at MUST. The Centre was approved by the 68thsitting of the University Council in February 2018 and is mandated to coordinate, nurture and steer innovations capacity at MUST and beyond. The Centre brings together all Faculty-based innovation hubs, students innovation clubs and innovation projects operating at MUST. In executing its mandate by the University Council and in response to the MUST strategic plan and community needs, the Centre premises on enhancing the potentiality of University students and staff to innovate, co-create and generate commercially viable innovations that provide solutions to the challenges faced by the local, national and global communities. Furthermore, CITT is here to respond to the labour market demands, the skilling gap among the youths and the need for contextualizing new innovative and sustainable approaches to solving national, regional, and international challenges....Show more

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## Center for Innovation and Technology Transfer

- Innovations Strands at MUST
- Testimonies
- Seed Grant Winners

## ABOUT CENTRE FOR INNOVATIONS & TECHNOLOGY TRANSFER

Set up by the 68th University Council in February 2018, Centre for Innovations and Technology Transfer (CITT) is a one stop co-ordination point for all innovations, skilling initiatives and technology transfer at Mbarara University of Science and Technology. It was set up to satisfy the need to co-ordinate all University innovations, skilling and technology transfer from all faculties and students. The Centre provides overall coordination for innovations and mentors, Faculties and other academic and research units in the innovation, skilling and technology transfer ecosystem within the University.

In implementing its mandate, CITT uses a uniquely designed CITT model to support innovators from the brainstorming/prototyping stage to the technology transfer phase where the innovations are produced to physical tangible products that have market value.

## CITT MODEL

Research /Innovation Training Production

## MISSION STATEMENT

To create a multidisciplinary ecosystem to inspire, nurture and promote the conversion of innovative ideas into commercially viable and sustainable products and businesses.

## VISION

To be a global Centre of excellence in affordable technology innovation and commercialization, skills development and entrepreneurship.

## CITT CORE VALUES

- Professionalization
- Teamwork
- Creativity
- Applicability

## Aim

To respond to the demands of the labor market, the need for contextualized new innovative approaches to solving regional, national and international challenges. We aim at retooling and producing graduates that have knowledge and practical skills to get absorbed in the fast-expanding industries and or with entrepreneurial skills to set up their own sustainable businesses.

## Key functions / Strategic objectives

CITT carries out multiple functions born out of the mandate handed out by Council. These functions are born out of the strategic objectives CITT aims to achieve.

- To provide additional training to less skilled and unskilled graduates and prepare them to apply knowledge to experience with new skills, new attitudes and or new ways of thinking.
- To develop capacity and nurture the spirit of innovation, entrepreneurship and technology transfer among MUST Staff, Students and the community.
- To source for funding towards innovation, technology transfer, retooling and skills development activities at MUST.
- To develop partnerships between academia and industry that will accelerate innovation, technology transfer and commercialization.
- To cultivate capabilities suiting emerging job markets and build entrepreneurship spirit and business management competencies among employable groups to create employment for themselves and others.

- To establish a job recruitment and selection center for different institutions, organizations and agencies.

#### Activities of CITT

In order to fulfil its key functions / objectives, CITT runs a plethora of activities namely;

Activities for Objective 1: To provide additional training to the unskilled graduates and prepare them apply knowledge to experience with new skills, new attitudes or new ways of thinking

- Carrying out Training Needs Assessment (TNA) to identify skills gaps and interests of different parties
- Developing Innovation curriculum and guidelines for implementation
- Inviting the potential learners by advertising in newspapers, and reaching them through the alumni
- Identifying key result areas, tasks and competence requirements
- Retraining of the less-skilled graduates in skills and apprenticeship
- Link the retrained graduates to job market opportunities

Activities for Objective 2: To develop the capacity and nurture a culture of innovation, entrepreneurship and technology transfer among staff, student and community

- Enhancing staff capacity in grant writing, problem identification and human centered design as key ingredients for impactful innovation.
- Organizing business planning and entrepreneurship boot camps for innovators developing different products and services.
- Providing technical and practical help in the launch and commercialization of student and staff products and services.

Activities for Objective 3: To source for funding towards innovation and technology transfer activities at MUST

- CITT leads the championing of resources mobilization for innovations and technology transfer at MUST through grant writing, corporate agreements, memoranda of understanding and partnerships.
- Creating a competitive fund to support innovations with greatest promise for impact, commercial viability and technical feasibility.
- Developing and overseeing the development and implementation of a strategic and business plan for the CITT

Activities for Objective 4: To develop partnerships between academia and industry that will accelerate innovation, technology transfer and commercialization

- Linking academia to challenges affecting industry players to increase the relevance of academic research to industry through bilateral dialogue.
- Leading the translation of academic research into commercially viable companies and or products
- Linking academic research to industry for licensure, venture capital funding and investment

Activities for Objective 5: To cultivate capabilities suiting emerging job markets and build entrepreneurship spirit and business management competence among employable groups to create employment for themselves and others

- Conducting market needs assessment
- Facilitating apprenticeship and industrial attachment for the trainees
- Organizing academic-job forums and sessions that engage private sector proprietors, prospective employees, and managers

Activities for Objective 6: To establish a job recruitment and selection center for different institutions, organizations and agencies

- Setting up infrastructure for technology incubation centers
- Creating a database for graduates and other competent skilled staff
- Creating awareness and engagement of both public and private sector on potential skilled employees
- Providing consultancy services to public and private sector

#### Departments

Currently, CITT is comprised of three departments. The work of these departments is super specialized in as much as they work in close collaboration to support innovations from the ideation phase to the technology transfer phase.

##### 1. Department of prototyping and technology development

The department leads the processes of problem / challenge validation, ideation, prototype development and validation testing to attain proof of concept. This proof of concept development is conducted in close collaboration and oversight from the industrialization and commercialization officer and IP officer. These officers ensure design for manufacture right from the prototype development phase and timely IP protection respectively.

##### 2. Department of experiential learning and practical skills training

This department is dedicated to offering practical skills-based short courses to: 1) Youth and other unskilled prospective participants who require further relevant skills. The department will also focus on retooling and reskilling graduates who require practical skills relevant to the current job needs and demands. 2) Employees in the formal sector with focus on Micro, Small and Medium enterprises, and 3) Self-employed workers and apprentices in the informal sector, master artisans and cooperatives.

Innovation hubs. These are hubs housed within the different faculties that foster innovation work within the faculties. For example, , the Software Incubation Centre in the Faculty of Computing and Informatics and the Business Incubation Centre in the Faculty of Business and Management Studies.

Innovation Projects.CITT coordinates a multitude of innovation projects that are at different stages in their innovation lifecycles. Some of the Innovation Projects are at the proof of the concept phase, others at the prototype phase and some of the rest have gone on to become spin off companies. Such Projects include; Consortium for Affordable Medical Technologies (CAMPTECH) PHARMBIOTRAC, Simulation for Life, i-SOFT to mention but a few.

Innovation Clubs.CITT, being a centre of innovation at the University, values students as major stakeholders in the Innovation ecosystem. Consequentially, CITT takes on and curates a plethora of student clubs and associations that are focused on enhancing Innovation capabilities amongst the student body. Clubs under CITT at the moment are the i-SOFT Club and StartHub Club MUST.

#### MUST Innovation labs

In fostering and supporting innovators, MUST has a myriad of Innovation laboratories and demonstration sites at campus that illustrate innovators' ideas, provide them a working space for development of their ideas and collaboration as well as providing the necessary resources for prototype development. Some of the innovation hubs are mentioned here below;

- CAMPTECH Co-creation Lab

The CAMPTECH Co-creation lab is located at town campus next to the Ophthalmology Ward. The CAMPTECH Co-creation lab is run by CAMPTECH, one of the Innovation projects under CITT. The CAMPTECH Co-Creation lab accepts innovators from all disciplines that have identified gaps in technology and their communities that they are

working to solve. The Innovators are supported with Scientific Writing Workshops, Acceleration programs, collaborations and seed grants. This hub is an ideal place for young innovators to meet and connect.

- The i-SOFT Demonstration Site

The i-SOFT Demonstration Site is located at MUST Main Campus in Kihumuro. The i-SOFT Demonstration Site mainly supports innovations that fall within the agricultural economy. It is a centre for learning and training farmers and students in areas of modern farming techniques such as applications of organic fertilizers and organic pesticides. The Site also demonstrates a circular economy of converting biowaste from biomass into energy and protein that sustain the biomass in a circular sustainable manner. The Demonstration Site also produces bio gas and this presents potential to innovators interested in renewable energy to innovate around the areas of biogas and greenhouse impact.

The i-SOFT innovation project is titled "Linking sustainable bio-organic farming techniques to youth employability and product value addition in South Western Uganda" It practically trained 192 farmers and 93 students in 4 districts of South Western Uganda (Mbarara, Isingiro, Sheema and Kiruhura)

The i-SOFT innovation focuses on transforming bio-wastes into commercialisable and value-added sustainable bio-organic products- biogas and biofertilizer. For the first time, a 3 in 1 Organic NPK fertilizer has been developed and was launched by the Minister of Agriculture, Animal Industry and Fisheries, Uganda Hon. Frank Tumwebaze. NPK stands for Nitrogen, Phosphorous and Potassium. This fertilizer is a high quality, user friendly, cheap, and environmental acceptable bio-fertilizer that combine solid bio-slurry and phosphorous-rich Tithonia (*Tithonia diversifolia*) and bio-char (3 in 1 bio-fertilizer) that is hoped to be rolled out to farmers and graduates in Uganda's Agro-ecological Zones. This technology/product is unique and the first of its kind in Uganda. As part of scaling up the innovation to address farmers' challenges and youth unemployment, so far 192 farmers and 125 youths/students have been trained. The innovation also generates biogas which is already utilized by the rural communities. The innovation has been piloted and rolled out to farmers for its development and uptake.

Key Achievements/Results of i-SOFT at outcome and impact levels include;

- 192 farmers and 125 students have already acquired hands-on skills and practical knowledge
- 70% of the youths/farmers have now started making their own businesses as entrepreneurs and see a bright future ahead.
- Has addressed the skills gap in Uganda, address soil depletion challenges and increase agriculture productivity.
- The i-SOFT curriculum on bio-organic farming techniques has been developed and is yet to be accredited by the Directorate of Industrial Training, Ministry of Education and Sports, Government of Uganda.
- Eleven (11) bio-digesters constructed and operationalized at MUST, MBAZARDI and selected community sites
- Four (4) outreach satellite Centres for bio-fertilizer production established
- Twelve (48) community champions (23 men and 23 women) produced by MUST, MBAZARDI and BSU.
- One (1) mobile iSOFT App fully developed and 317 beneficiaries trained in its use

Key Lessons learnt FROM i-SOFT project implementation are;

- Increased knowledge and practical skills in iSOFT technology development and transfer is key for the youths
- The integration of ICT has improved appreciation and adaptation of the agriculture value chain by youths
- Start businesses through business incubation and entrepreneurship sessions has a potential to address unemployment and employability
- The cottage industry model has a strong multiplier effect

Linkages/Partnerships/collaborations out of SDF project

- National Agricultural Research Organisation (NARO)- Jointly implementing training and grant writing. Jointly implementing the VLIR-UOS MUST IUC project
- Bishop Stuart University- Have an MoU and now jointly implementing another project by VLIR-UOS, Belgium
- Biogas Solutions Uganda Limited- Still working together on biogas installations and uptake
- UNESCO-China Funds in Trust Phase III- Got some additional funding from UNESCO-CFIT which is supporting some components of the i-SOFT project

Next Steps/Going Forward for the i-SOFT project;

- We already have an i-SOFT 3 in 1 Bio-organic fertilizer (both in liquid and solid forms) ready for commercialization
- We have applied for a trade mark and certification by UNBS after which we will hit the market
- We have trained 192 farmers and 125 students and hope to scale-up and roll the i-SOFT concept to other regions of Uganda basing on soil analysis. This will increase skills and uptake.
- We are making laboratory analyses for the biogas for proper packaging and commercialization
- We are working on the i-SOFT certificate course to be accredited by the Directorate of Industrial Training
- PHARMBIOTRAC Product Development Laboratories

The Africa Centre of Excellence for Pharm-Biotechnology and Traditional Medicine (PHARMBIOTRAC) is based at the Mbarara University of Science and Technology (MUST) a public university located in Western Uganda about 286 Km from the Kampala the capital city of Uganda.

PHARMBIOTRAC always invites applications from highly motivated, talented, research-focused and qualified candidates for admission in the Study Programmes MSc and PhD (by Coursework and Dissertation) in Pharm-Biotechnology and Traditional Medicine. At PHARMBIOTRAC our goal is not just academic excellence but also development of healthcare professionals, products and services that transform societies.

Mbarara University of Science and Technology (MUST), is the second oldest public University in Uganda established by an Act of Parliament of the Republic of Uganda in 1989. The Pharm-Biotechnology and Traditional Medicine Centre (PHARMBIOTRAC) at MUST is providing a regional platform for innovative drug development, including exploring the use of traditional medicine in the region.

The goal of PHARMBIOTRAC is to build a critical mass of specialized and skilled human resource that can advance traditional medicine and Pharm-Biotechnology for socio-economic development of Africa

The unit envisages becoming a leading African centre of excellence for training and research in traditional medicine and pharm-biotechnology

The mission is to contribute to documentation, validation and value chain development of traditional medicine and biotechnology products for use in pharmaceutical and nutraceuticals industries in the region through training, research and community services for sustainable development

#### **INDUSTRIAL VALUE CHAIN ECONOMIES**

Currently, CITT is in the process of streamlining innovations at the University by integrating a variety of economies under which these innovations belong. For a start, we are integrating;

- The Pathogen economy

The Pathogen economy will be a classification of innovations under CITT that aim to improve the treatment of diseases. They include medicine and hospital equipment to mention but a few.

- The Digital economy

The digital Economy is an area of innovation with special emphasis on application of digital tools like mobile and computer applications to solve the daily challenges faced by communities. Under this, CITT will be offering the necessary support to digital innovators to grow and nurture their innovations at MUST.

- The Agricultural economy

Agriculture being the backbone of Uganda's economy, CITT is working to ensure that necessary support is availed to students and staff working to innovate smart Agricultural practices in the agricultural value chain. Thus, the Agriculture Economy will be another area of focus for CITT.

- Energy Economy

As the world transitions to smart and clean energy, it is important that innovators working towards creating smart and cheap energy and energy consumption methods are accorded the necessary support. In this regard, CITT is preparing herself to work and collaborate with innovators working around the fields of clean energy.

- Information and Communication Economy

The Information and Communication sector connects the world every single day. Millions of bytes of data are generated daily. Innovations in the ICT sector that optimize data, provide faster connections and open up the world to newer ideas are on the priority list for support under CITT.

- Transport and Logistics Economy

Innovators in and around the area of transport and logistics are highly welcome for support under CITT. The Centre of Innovation and Technology Transfer is open to innovations that intend to produce safer means of transport, faster transport or even cheaper transport.

#### The beginnings of Innovative Sustainable Organic Farming Techniques(I SOFT)

The i-SOFT innovation project has been a multi-stakeholder and inter-institutional project supported by the farmer-student twinning model blended with the i-SOFT technology. The training was conducted at MUST, MBAZARDI, BSU and selected community sites using a student-farmer twinning model and experiential learning. Twinning involved pairing graduates with farmers at MUST, MBAZARDI and selected community sites under the guidance of the technical team. The technical team involved staff of MUST, NARO, Biogas Solutions Uganda and Bishop Stuart University as well as consultants in the field of biodigester systems, fertilizer production, fertilizer packaging and branding and mobile Application development. This training approach has enabled trainees learn from each other for collective outputs. Experiential learning involved a see and do model. Training was implemented in four phases guided by the training components outlined in the curriculum/manual. The training phases were approached at two levels. The first (a) trainer of trainees approach; (b) training of selected farmers and graduates/students rolled out as champions for the iSOFT innovation. In addition to the skills acquired, the qualified champions have been awarded certificates of completion. The non-qualifying trainees will be given an opportunity to retrain. The second level of training has tasked the trained participants to train more farm families in the SWAEZ.

#### Achievements

The i-SOFT project has achieved substantial results since its inception. Farmers and students have been equipped with knowledge and skills that are vital in improving their crop productivity and addressing the skills gap in the agriculture sector. The initial community entry meetings in the districts of Sheema, Kiruhura, Mbarara and Isingiro generated a greater understanding of the i-SOFT project concept by the selected farmers/participants; the approach and methodology of engagement of Local Government leaders; validation of the listed trainees, nomination and election of site coordinators; discussion and agreement on the training schedule and creating strategies for sustainability. This section is sectionalized according to the key project objectives/deliverables as articulated in the contract.

Development of a curriculum manual on bio-organic fertilizer technology development and application

In February 2021, an i-SOFT training manual was developed and it covered the all the four training components that include; Product development and application for students/graduates, potential farmers and implementing institutions/organizations using a University Community twinning model; Business incubation and entrepreneurship for the trainees to demonstrate the potential for technology usage and application; ICT uptake and usage for marketing and information access and; Value addition and micro agro-industrialization. The manual has a section introducing the training and the training approach and methodology. The manual will aid the subsequent training in the University and will get national approval from the Directorate of Industrial Training. The funding also equipped MUST capacity to implement the developed manual.

A drying shade has been put up at MUST Kihumuro Campus where continuous training of staff and students in bio-organic farming techniques will continue to take place. The shade contains different sections of a teaching area, a drying area, a store and office. The drying shade is connected with a water harvesting system that will support the established demonstration plots. This area is the central operational site for i-SOFT and will be supported by the other six satellite centres in Kiruhura, Sheema, Mbarara and Isingiro. Agriculture and biology students will continue to benefit from this area with more practical lessons undertaken here to prepare students with adequate skills needed in the labour market.

#### Development of a Bio-organic Fertilizer and Roll it out to Farmers

A 3 in 1 bio-organic fertilizer was developed, tested and adopted. The fertilizer is in both liquid and solid form and is now used by farmers to boost their agricultural productivity. Making a liquid and solid bio-organic fertilizer using local materials. Trainees learnt to make a bio-organic fertilizer using Bioslurry (generated from the biodigester), Tithonia Diversifolia and Biochar or wood ash. Trainees were also trained to generate the 3 in 1 fertilizer using a locally made tank- system for those unable to construct a biodigester system. The 3 in 1 fertilizer is a highly competitive fertilizer that contains high levels of Nitrogen (N), Phosphorous (P) and Potassium (K). The new fertilizer is an organic NPK which provides locally needed solutions to the soil depletion challenges, environmental degradation and reduced crop productivity among farmer communities. The making of the 3 in 1 fertilizer is also a solution to youth unemployment and employability question since it presents the youths with self-employment opportunities.

#### 1.5.3 Training in Bio-fertilizerInnovation Technology Development and Application

A total of 192 farmers and students were trained in bio-organic fertilizer making and its application. Under this training component, the following aspects of training were achieved; Construction of a biodigester and its affluent separator systems, making liquid and solid bio-organic fertilizer using local materials and the application and absorption of the fertilizer.

##### a) Training in Biodigester Technology, Effluent Separator Systems and Installations

In February and March 2021, farmers and students were trained in biodigester technology, effluent separator systems and installations. This training was led by Biogas Solutions Uganda Limited. Trainees learnt how to construct both a fixed dome and PVC using the available local materials. This training covered the trainees in Mbarara (Ibaare, Kakoba, Kakiika), Isingiro (Masha, Isingiro Town Council and Kyeera), Kiruhura (Kashongi and Byanamira) and Sheema (Masheruka Sub County and Masheruka Town Council). As an output, eleven biodigesters that include 8 fixed dome biodigesters (01 for 15 cubic metres and 07 for 6 cubic metres) and 03 Polyethylene (PVC) bag digesters were installed at the selected sites as illustrated in Table 1 below.

The first phase of training focused on equipping trainees with innovative organic sustainable farming techniques and engaged 173 farmers and students in various domains of training. These components of training included;

- Introduction of i-SOFT innovation in the agriculture sector
- Basic guidelines for i-SOFT innovation and application
- Introduction of the bio-fertilizer technology
- Introduction of the biodigester and effluent separator construction technologies

The number of trainees exceeded the initial targeted number of 160. This is attributed to the great enthusiasm and interest that community members (farmers and students) have for the i-SOFT intervention. Indeed, the i-SOFT concept has been well received by various stakeholders such as Local Government, farmers and students. The plates below illustrate the ongoing training activities in the community.

- Making a liquid and solid bio-organic fertilizer using local materials

Trainees learnt to make a bio-organic fertilizer using bioslurry (generated from the biogester), Tithonia Diversifolia and Biochar or wood ash. Trainees were also trained to generate the 3 in 1 fertilizer using a locally made tank- system for those unable to construct a biogester system.

From April, we conducted professional testing for the i-SOFT fertilizer both at National Water and Sewerage Corporation and Makerere University. This process of testing was successful and yielded good results which confirmed that our raw materials contained high levels of Nitrogen, Phosphorous and Potassium

- Application and absorption of the fertilizer

One hundred and sixty-five farmers (168) trainees gained knowledge and skills on applying the 3 in 1 bio-organic fertilizer and as a result there has been a pool of success stories coming in from farmers and students who are already using the fertilizer (see the i-SOFT online video shared during the national science week).

#### 1.4.4 Training Farmers in Business Incubation and Entrepreneurship Development

The initial target number for this training was 48 participants. Due to increased need and interest however, a total of 168 participants (99 males and 69 females) benefited from the business incubation and entrepreneurship training. The main goal of training module two was to generate a pool of agro-entrepreneurs with business ideas and skills to apply the bio-fertilizer technology and 'harvest money'. Participants were identified and hosted at CITT-MUST and MBAZARDI to incubate their agro-business ideas. Some demonstration and experimental plots were put up at 3 sites – MUST, NARO-MBAZARDI and BSU. Participants will be allocated 15 blocks space where their ideas have been incubated and developed into business products in an agricultural value chain. We also established four community-based business incubation satellite Centres that will keep monitored by the implementing Institutions. These Satellite Centres are managed by trained champions and monitored by the agriculture extension workers in the operating Sub-Counties. The training covered areas of group dynamics, marketing agro-products, pricing and costing, managing our business, savings and business sustainability and becoming good entrepreneurs.

As an incubation process and strategy and in order to show case the relevance of i-SOFT fertilizer application, MUST in partnership with NARO, Bishop Stuart University and Bio-gas solution-Uganda Ltd compared the performance of the 3 in 1 bio-fertilizer with other organically applied fertilizers, an experiment was designed with the objective of assessing performance of green dodo (Amaranthus green), common beans and kale (sukuma wiki) on applied soil amendments.

The 3 in 1 solid and liquid bio fertilizers were developed from three organic components: (i) bio slurry, (ii) Tithonia, and (iii) biochar. The experiment was established on station (MUST, NARO and BSU) that were used as replicates and blocks. The soil amendments were applied at the rate of 70 kg N/ha, which indicated that various amounts of soil inputs were used to achieve the same amount of N.

Table 5: Amounts of soil inputs applied to achieve the 70 kgN applied per ha.

Some of the demonstration area established

The results indicate that when a farmer uses a 3 in 1 solid bio fertilizer, he will need only 50 % less by mass (5 ton/ha) of quantity of cattle manure (10 ton/ha) to get the required amounts of N for good harvest of green dodo. Nonetheless, applying only 1.7 ton/ha of leafy tithonia had good herbage that was not significantly different from either cattle manure or developed 3 in 1 bio fertilizers.

Promoting 3 in 1 solid and liquid bio fertilizers will improve crop productivity on poor soils common in smallholder farming systems. In comparison with the commonly applied farmyard manure, 3 in 1 solid bio

fertilizer is easy to apply (not bulky), has higher water and nutrient holding capacity, and it is odorless. These are competitive advantages that justifies why development of i-SOFT 3 in 1 fertilizer is timely.

#### 1.5.5 Training iSOFT ICT Application and usage

The i-SOFT mobile Application (i-SOFT App) has been developed and is now a key platform that links farmers to the trainers for agricultural advisory services and the market. The App is also an interactive platform among farmers in sharing experiences, knowledge and skills in boosting crop production and agro-marketing. The overarching goal for training component was to introduce trainees to new modern Information Communication and Technology (ICT) approaches to agriculture production. Under i-SOFT technology, we introduced a tested software mobile application called i-SOFT App that will facilitate learning and information access for farmers and farmer groups. This simple technology is user friendly and less costly. The App facilitated virtual learning for simple agricultural advisory services and marketing of the generated products. The App is supposed to strengthen the already existing, but less accessed, market information system established by Ministry of Agriculture, Animal Industry and Fisheries (MAAIF).

This training was attended by 168 farmers and students and covered the following areas of;

- Understanding the basic components of the App
- Submitting pertinent queries to the forum
- Composition of messages and uploading collected data from the field
- Uploading data collected from the field using Open Data Kit (ODK)

Seventy-eight farmers and students at training Institutions are already using the Application and it will be rolled out to over 200 users by the end of 2021 using google store. The App links farmers to the business community which will boost agriculture marketing. The App is hosted by a server run by CAMTech co-creating laboratory at Mbarara University of Science and Technology.

#### 1.5.6 Training in product value addition and micro-agro-industrialization

Between September and October, we conducted two trainings in product value addition, fertilizer branding and packaging, certification and standardization. This training enabled 168 farmers and students to gain skills and knowledge on how to package, brand and market the bio-organic fertilizer. Most farmers now have knowledge and skills related to value addition, commercialization and micro-industrialization that are currently being touted as a basis for economic development in Uganda. This training component focused on understanding the value chains at all levels of bio-fertilizer production. These areas are prerequisites for current and future agro-industrialization. The trainees were twinned at MUST and MBAZARDI for experiential learning and gained hands-on experience of the bio-product development cycle to be able to implement their own bio-organic projects. Our trainees are now mobilized to initiate collaborative bio-businesses (as associations, cooperatives/SACCOs, and groups) that form a larger force for increased commercial production, industrialization and access to bigger markets and could acquire finances to enhance their production. This is going to supplement the enormous potential of adding value to the country's sizeable agricultural output as a means of enhancing inclusive growth and creating productive employment across the country which the Government of Uganda is aggressively promoting at macro level.

Four community i-SOFT satellite centres and site coordinators have been established in Sheema, Mbarara, Kiruhura and Isingiro. Table 5 shows the satellite centres and attached coordinators/champions.

Table 7: Showing Trainees in Fertilizer development

#### 1.5.8 Other key achievements outside the project deliverables

- Laboratory support and Demonstration Plots

Equipping the MUST and MBAZARDI laboratories with tool kits that will support the training of students and farmers. A number of laboratory and office equipment have been procured and will continue to provide a supportive training ground at the implementing institutions. The equipment will be used in the development of the biofertilizer, soil moisture probing and laboratory testing while training learners beyond the project scope. The i-SOFT project has further developed the capacity of MUST, MBAZARDI and BSU staff to further engage communities in community-based solutions to agriculture challenges. The project also built the capacity of two females who were recruited at the start of the Project as the Project Administrative Assistant/Accountant Ms. Annah Amwikirize and a Training Assistant Ms. Sheilla Akampwera. The two staff have helped in supporting the Project Coordinator and Director on the day-to day running of the project activities. Three Research Assistants were recruited to assist in training and data collection. The Research Assistants are; Albert Begumanya Murinzi, Paul Kezimana and Lynette Ndyamuhaki (all students of MUST). These employees have gained advanced knowledge and skills in project management, data collection, training processes and data analysis. Three demonstration sites have been established at MUST-Kihumuro Campus, NARO-Mbarara Zonal Agriculture Research and Development Institute and Bishop Stuart University

- Monitoring Visits by Private Sector Foundation- Uganda

On March 02, 2021, a team from Private Sector Foundation-Skills Development Facility visited MUST and some of its satellite centres to monitor the project progress. The team led by Ms. Mary Kajumba met MUST i-SOFT team and its partners, conducted field monitoring site visits at MUST, Ibaare-Nyakayojo and Bishop Stuart University. Some observations were made by the Monitoring team leader on how to sustain what has been established and planned. This visit enriched i-SOFT project implementation. Another PSF-U minotoring visit by the Board was done in June 2021 led by Eng. Kasekende. We also participated in the meeting organized by Private Sector Foundation and attended by World Bank officials and we presented project progress

- National Science Week and i-SOFT Exhibitions

The i-SOFT project was nominated by the Vice Chancellor of MUST to participate in the National Science week (November 02-09, 2021) and World Science day (November 10, 2021). Together with our partners and Private Sector Foundation-Uganda, we exhibited the biofertilizer development technology at Kololo independence grounds. The Minister of Science, Technology and Innovation (MoSTI) and the President H.E Yoweri Kaguta Museveni appreciated the innovation tailored to transform farmer communities and contribute to the Parish Development Model (PMD). We were informed by the Minister and Ministry officials that there is a need for discussion with the implementers of the PMD for linkages to achieve project sustainability.

#### CITT is the Best Opportunity for the Innovative Minds

The society is not a static object, and so, it evolves as the human needs are in a continuous and dynamic motion. Every other day, new needs, problems and issues arise that demand for our urgent attention. Therefore, it is all upon our shoulders to devise new approaches to our daily challenges lest we face an existential threat.

Maintaining traditional and rudimentary approaches to our challenges is as risky as climbing a tree while pocketing.

As Steve Jobs said, “Innovation is the ability to see change as an opportunity – not a threat”. Therefore, in such times when the world is at a faster acceleration, it is only appropriate that institutions of learning like universities create platforms and directorates mandated with facilitating the innovative solutions to our challenges.

Fortunately, Mbarara University of Science and Technology (MUST) through the Center for Innovation and Technology Transfer (CITT) is doing nothing but perfecting this cardinal responsibility.

I am one of the beneficiaries of the 2022 CITT seed grants. CITT funded my project titled, “P2V Approach: Conversion of Plastic wastes to Fuel Oils”. Working with a group of my students, this grant enabled us to successfully design a locally made pyrolysis reactor to convert a nuisance of plastic waste into a valuable commodity (the fuel oil) in presence of a novel nano-catalyst, Nanopyroxene. We obtained the fuel oils and we are currently undertaking the laboratory stage of fuel characterization that will allow us to obtain scientific data on the chemical nature and identity of the derived oils.

As a university lecturer and an undergraduate trainer, the CITT funds did not only facilitate this project but also eased my training sessions. I was able to integrate a couple of my students into this project, something I ideally wouldn't have been able to do without these funds. The students did not only acquire the skills but also appreciated the relevance and future of engineering innovations in addressing our day-to-day challenges.

More still, CITT is not simply a funding body, but a training venue too. It is not just about the innovation as the end in itself, CITT sustains the means to the end. It offers a platform for everyone to convene and acquire the skills in scientific writing and presentation. A week-long scientific writing workshop fine-tunes an individual's idea into a quality worth any funding. This training provides an opportunity for innovation groups to critique themselves and ultimately perfect the art and skill of not only having the clarity of the mind but also acquire the best presentation and idea pitching skills.

CITT is a merit-based platform that has the potential to further leverage MUST's innovative success. Once facilitated with more resources, I am convinced that the low-laying innovations in our university shall come to life. Consequently, universities shall comfortably claim their cardinal role of being centers for teaching, research, and most importantly the think-tanks for innovative solutions that address our community problems

Writer: Muloogi Derick, 2022 CITT Seed grant Winner.

## More testimonies

### CITT Awards 6 Teams to Develop High-end Products

As part of strengthening multi-disciplinary innovation outputs at MUST, the Centre for Innovation and Technology Transfer (CITT) brought unusual smiles on the faces of 6 innovation teams. The 6 teams emerged as winners of the prestigious Product Development Award of FY 2023/2024 out of the 17 teams that competed for the Award. The teams competed through an administrative review, a product development workshop, and the final Project Qualification Review (PQR) by an independent panel of multidisciplinary judges. The funding is part of the Research and Innovation Funds (RIF) from the Government of Uganda that kickstarted in the 2022/2023 FY and has since seen 4 cohorts get Awards in the form of funding.

This milestone of the awarding ceremony and signing of contracts happened on Friday 20th October 2023 at CITT, Kihumuro Campus, and was presided over by the Director of CITT, Dr. Medard Twinamatsiko. Each of the six teams was awarded a total sum of UGX 16,650,000 (Sixteen million six hundred fifty thousand shillings only) to implement their innovative projects and transform their prototypes into commercially viable products.

While speaking at the awarding ceremony, Dr. Medard Twinamatsiko congratulated the teams and assured them of their unstoppable commitment to providing high-end mentorship and coaching using a new system of coaches and mentors identified within MUST and partnering institutions. He assured them that CITT is doing all it takes to establish an enabling environment for innovators to thrive as opposed to frustrating them. This was demonstrated with the establishment of an institutional innovation co-creation laboratory funded by the MUST-IUC UCoBS project with high-end equipment and facilities, the registration of the MUST holdings limited, and resource mobilization for innovations at MUST.

He further appreciated Top Management and the Government of Uganda for supporting the MUST innovation ecosystem and urged the winning teams to demonstrate value for money and address the most critical societal challenges. The awarded teams appreciated the solid and vibrant leadership at CITT and pledged to work hard and generate tangible products that will put MUST on both the national and international map.

The winning teams for the Quarter One Product Development Grant are;

Computing and Informatics

UNESCO CFIT Project hosts a week-long Agriculture Entrepreneurship boot camp for Mbarara University students.

The UNESCO - China FUNDS In Trust (UNESCO CFIT) Project at Mbarara University hosted a 4-day agri-biotechnology entrepreneurship boot camp for students working on agricultural products. The Boot Camp ran from 24th to 27th October 2023 and was hosted in the Incubation Room in the FAST Building at Kihumuro Campus. The Boot Camp was opened by the Project Coordinator for the MUST UNESCO-China Funds in Trust (CFIT) project - Dr. Medard Twinamatsiko (also the Director of CITT), who introduced the UNESCO CFIT Project concept at MUST and took the participants through a session on refining their problem statement.

The Boot camp focused on students with innovative enterprises in the focal areas of agricultural value addition, agro-business, post-harvest handling technologies, irrigation and water management technologies, soil management systems, digital applications in agriculture, and climate-smart backyard gardening. These thematic areas fit in the UNESCO-CFIT overall goal of improving higher technical education for an innovative workforce in Africa.

Ten student teams were shortlisted out of 65 teams, to participate in the Boot camp which was facilitated by experts from Mbarara University of Science and Technology (MUST) as well as StartHub Africa. The teams were taken through sessions in problem identification (innovating towards addressing community challenges), gathering user feedback, and iterating their products based on the users' feedback, value proposition, and making winning elevator pitches.

The highlight of the training was the 100K challenge where each of the participating teams was given a hundred thousand Uganda shillings to come up with a few samples of their products and sell to the market within twelve hours. The participants reported that the training opened their minds to creative thinking and market penetration models for their products.

The Boot camp was closed with an awarding ceremony where the top five teams, with the most commercially viable products, were awarded a cash prize of 1 million Uganda shillings each to use as their start-up seed capital as they scale their innovative ideas to turn into micro businesses.

The winning teams that were facilitated with one million shillings to start their micro businesses are;

- Crop guard. This team is working on making a purely organic pesticide that is effective compared to the inorganic pesticides on the market.
- Perrisea organic body oil. The team at Perrisea is working to add value addition to cow ghee by packaging ghee and using it to make an organic body oil.
- Lemonade sip. The lemonade sip team is starting a micro business that deals in producing and selling lemonade that contains only natural sweeteners.
- Coffee Cherry Pulp. The students from the Coffee Cherry Pulp are working to transform coffee pulp that goes to waste into flour that can be used for baking.
- Mag feed. The Mag Feed team is working to improve the nutritious value of poultry and other livestock feeds by adding a rich content of protein to the feeds

We are amazed at the brilliant business ideas from the teams and wish them good luck as they start their micro businesses.

#### CITT FACILITATES THIRTY STUDENT INNOVATORS IN SCIENTIFIC WRITING

The Center for Innovations and Technology Transfer facilitated thirty two students in Scientific Writing over a five day Scientific Writing Workshop that started on 24th October 2022 and closed on Friday 28th October. The thirty two students were members from sixteen successful teams from fifty three teams that applied for the CITT Quarter Two seed grant of six million Uganda shillings for Innovators working to produce high tech prototypes.

The five day workshop was officially opened by the Deputy Vice Chancellor for Academic Affairs, Prof Nixon Kamukama. He expressed gratitude to the CITT Director, Dr Medard Twinamatsiko, for diligently leading the innovation unit of the University to engage the students and staff to come up with innovations that keep MUST

shining and in full glory. He urged the innovators to persevere and stay the innovation course if their innovation ideas are to see the light of day.

Dr. Twinamatsiko Medard during the opening urged the participants to utilize all the resources and the multidisciplinary team of facilitators CITT had invited to guide the innovators through the different concepts for competitive Scientific Writing. The Director also introduced Ms Laura Althaus and a team from StartHub Africa, an organization creating a movement of innovative change makers throughout Africa with whom CITT is in advanced stages of forming a partnership with. This partnership, the Director said, is meant to add to the efforts of CITT in improving the entrepreneurial capacities of students and staff at MUST to produce innovators that are ready to break into the market and a generation of graduates that are job creators. The other facilitators at the Workshop were Dr. Williams Wasswa, Dr. Baguma Kule, Mr. Dennis Lukaaya Ms. Laura Althaus and Mr. Mujuni Ivan.

Of the sixteen participating teams, three teams upon evaluation of the concepts shall be awarded the CITT Seed Grant worth six million Uganda shillings each and shall be inducted into the CITT Incubator program under which they shall receive more mentorship and acceleration for their innovations.

The participating teams were multidisciplinary from the different programs offered at the university and the innovations from each target at solving the different problems faced in society at very cost efficient methods using innovative technologies.

We are excited for the teams and wish them good luck developing their concepts into high tech prototypes and products that shall solve the different challenges faced by communities.

Kibande Steven

Seed grants 2022\_2023 Q1

Seed Grants 2022-2023 Q2

Seed Grants 2022-2023 Q3

# Postgraduate Book of Abstracts - Mbarara University of Science and Technology

Home»Postgraduate Book of Abstracts

# **Directorate of Research and Graduate Training - Mbarara University of Science and Technology**

[Home»](#)[Directorate of Research and Graduate Training](#)

# Research Ethics Committee - Mbarara University of Science and Technology

Home»Research Ethics Committee

## REC Documents

In response to the increasing human subjects' research being conducted in Uganda, The Mbarara University of Science and Technology – Research Ethics Committee (MUST – REC) was formed and works according to internal rules that are described in written Standard Operating Procedures.

It was formed in 2002 and registered on February 11, 2011, both in Uganda and the USA and is fully accredited and certified by the Uganda National Council of Science and Technology (UNCST). It is internationally recognized and registered by the Federal Wide Assurance (FWA). It supports both national and international research protocols.

- Application for Ethical Approval
- Consent for storage of research materials
- Contents for submitted Package form
- Continuing review application form
- Informed Consent Form
- Protocol Amendment Form
- Protocol non Compliance Form
- Serious Adverse Events Form
- Study Report Form
- Translation Attestation Form
- NRIMS Application Form

### Purpose and Scope

The main purpose of the MUST-REC is to review the science and ethics of both national and international proposals/protocols submitted to the Committee, while safeguarding the rights, safety and welfare of the research participants involved.

The MUST- REC has the authority to modify the research proposals/protocols, approve, suspend or terminate any studies, which are found to violate the ethical guidelines and the status of the REC approval, and to oversee the approved studies thereafter.

It is also the duty of this Committee to provide confidential, independent, competent reviews and approvals. In all its activities, it is mandatory that the Committee keeps the UNCST posted on all the REC decisions – a requirement which MUST REC has followed since its inauguration.

### Requirement for submission for initial review

1. Evidence of payment of review fee  
2. MUST REC informed consent form  
3. Protocol Summary Sheet or Memorandum  
4. Signed Protocol and Protocol-Related Documents  
5. Information for subjects  
6. Case report forms (CRF)  
7. Study budget  
8. Updated timeframe  
9. Investigator's brochure  
10. Letter from the Supervisors (in case of students)  
11. MUST REC form for storage of Biological Materials (Where Applicable)  
They are all submitted in twelve (12) copies to the MUST REC Office which is located at Mbarara University Campus, Faculty of Science building.

## Charge Structure

## Amendment of the Protocol

Student researches that lead to an award, are reviewed free of charge. Other researches are charged an initial review fee as attached structure here. The review fee is paid to the University and a receipt of payment presented to the MUST REC secretariat on submission of the protocol to be reviewed.

The following are the account Numbers of MUST REC.  
A/C Name: MUST Institutional Ethics Review Committee  
Account Numbers: 8702808043100 (Dollar account) swift code SCBLUGKALocal  
Account: 0102808043100 Branch: Standard Chartered Bank Mbarara Branch

### Requirement for Amendment of the Protocol

- Fill the MUST RECs protocol amendment form.
- A cover letter explaining the need for the amendment and rationale, and a description of the changes you want effected.
- Amended protocol, study instruments and consent forms with track changes should also be submitted.

The committee is composed of 11 members inclusive community representatives. It has two administrative staff.

# Institutions that MUST has MOUs with - Mbarara University of Science and Technology

Home»Institutions that MUST has MOUs with

Memoranda of Understanding (MoUs) of MUST partnerships

# Contact Us - Mbarara University of Science and Technology

## Contact Us

Home»Contact Us

Support, answer and help, get in touch

Address

P.O BOX 1410, Mbarara, Uganda

Phone Contacts

Email

We are here to help you

Academic Affairs

For more information regarding admissions and academic opportunities, please contact:

Academic Registrar's Department

For general correspondences email the Academic Registrar on;Email:[email protected]

Admissions and Registration (undergraduates)

Email:[email protected]Office: + 256-414-668971Mobile: +256-786-706490

Admissions and Registration (Postgraduates)

Results

## **Academic Documents**

### **Students' Welfare**

For accommodation, meals, medication, wellness and co-curriculum activities:

**Maureen Kahima**

Email:[email protected]Office Line: +256-393225293

### **Public Relations Affairs**

If you would like to speak with someone atMUST, forgeneral inquiriesandcommunications:

**Angella Nakato Muyingo**

Email:[email protected]Office Line: +256-780-199188WhatsApp : +256-707-488634

### **International Relations Affairs**

Your contact for Visa, Insurance, Needed Vaccines, Placements, Exchange Programs:

**Sheila Ninye Twinamatsiko**

Email:[email protected]WhatsApp : +256-782595511

This is your contact for theDirectorate of Research and Graduate Training

**Tugiramasiko Miriam**

Email:[email protected]Office Line:Mobile Phone: +256776-507228

# Faculty of Medicine - Mbarara University of Science and Technology

Home»Faculty of Medicine

Associate Prof. Joseph Ngonzi

I warmly welcome you to the Faculty of Medicine, Mbarara University of Science and Technology (MUST).

We have been admitting students for over 30 years since the foundation of MUST with the Bachelor of Medicine and Bachelor Surgery in 1989. With the establishment of other healthcare professionals' programs, the FoM has nurtured and developed thousands of medical human resources for the present and future. The Faculty is recognized internationally for its quality as well as developing health professionals making a difference locally and globally.

The Faculty is dedicated to training a diverse group of future leaders in academic health professions and clinical practice who will combine clinical medicine with the discovery of new knowledge through research. Currently we have six undergraduate programs: human medicine, nursing, medical laboratory sciences, pharmacy, pharmaceutical sciences and physiotherapy. Students in our programs have access to an extraordinary diversity of 23 different Masters programs: 13 Master of Medicine, 06 Master of Science (biomedical programs), Master of Medical Laboratory Science, Master of Nursing Science, Master of Pharmacy in Clinical Pharmacy, and Master of Public Health, and PhD...Show more

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We have several foundational pillars that guide our programs. Our training is guided by competence-based curricula. We offer our health professional students opportunity to practice interdisciplinary healthcare delivery through community based education, research, and service (COBERS). We have an outstanding cadre of alumni, collaborative research and clinical mentors.

For new students, you have chosen a great time to have an exciting, challenging but a memorable academic journey at MUST FoM. I take the opportunity to congratulate you for making it to one of the best Medical Schools in the East African Region. You will be studying under the guidance, supervision, and mentorship of an exceptionally knowledgeable faculty dedicated to helping you get the most out of your education at MUST.

You are entering the gateway to health sciences education that will prepare you to succeed in an increasingly competitive local and international marketplace. Much of your success in your journey through life will depend on the effort and the choices you make now. No matter what level of education or expertise, here at the FoM, you are going to meet people who will become your lifelong friends and mentors.

We promote teamwork, professionalism, transparency, accountability, and selflessness. We seek out and respect the opinions of others, enjoy the rich variety of activities the university has to offer, and find opportunities to give back to our communities through community based education, research and service (COBERS).

All of us at the FoM are strongly committed to supporting our students succeed, and mutual partnerships thrive. We pride in individual and collective successes locally and internationally.

If you are looking for a school to prepare and build your career, I welcome you to apply to study at MUST Faculty of Medicine. You are welcome to enter an exciting and substantive career as a health professional, scientist, public health expert, and leader.

We are proud to play a leading role in the various health professions as evidenced by many of our staff and alumni serving on professional bodies, ministerial committees, and heading other schools of health sciences locally and internationally.

We have no other option but to succeed for “Succeed we Must”.

Dr. Joseph Ngonzi (PhD)

DEAN

Visit Faculty of Medicine Website for more details

- Academic Programmes
- Department of Ophthalmology
- Anatomy, Histology and Embryology
- Family Medicine
- Surgery
- Radiology
- Psychiatry
- Physiotherapy
- Physiology
- Pharmacy
- Pharmacology
- Pharmaceutical Sciences
- Pediatrics and Child Health
- Pathology
- Obstetrics and Gynecology
- Nursing
- Microbiology and Parasitology
- Medical Laboratory Science
- Internal Medicine
- Ears, Nose and Throat (ENT)
- Emergency Medicine
- Dermatology
- Dental Surgery

- Community Health
- Anesthesia
- Biochemistry

World Food Programme Delegates visit CITT on site seeing visit

Dr. Edith Wakida wins an NIH to improve community-based dementia care in rural Uganda

Please contact the Faculty Administrator on

Telephone:

Email:[email protected]/[email protected]

# Faculty of Computing and Informatics - Mbarara University of Science and Technology

Home»Faculty of Computing and Informatics

**Dr. Evarist Nabaasa**

Welcome to the Faculty of Computing and Informatics

The Faculty of Computing and Informatics (FCI) is one the faculties at Mbarara University of Science and Technology. FCI is an innovative and market-oriented unit, pursuing inquiry, discovery and application through excellence in teaching and learning, value-added research, cutting edge community outreach and vibrant student life. The year 2016 was a phenomenal one registering historical invent of the University Council upgrading us from an Institute to a faculty level. Similarly the year 2017 is one of the landmarks in that, the start of construction of FCI block at Kihumuro Campus was commissioned, this faculty building is planned to be ready for use by end of August 2019.

The current building and the one under construction will provide the necessary infrastructure for the largest Center of Excellence in Computing and ICT Training, Research and Consultancy services in the whole of western Uganda and Uganda at large. The Faculty is committed to establishing and sustaining high academic and research standards through collaborations with other Institutions across the globe. FCI is strategic and has very...Show more

The current building and the one under construction will provide the necessary infrastructure for the largest Center of Excellence in Computing and ICT Training, Research and Consultancy services in the whole of western Uganda and Uganda at large. The Faculty is committed to establishing and sustaining high academic and research standards through collaborations with other Institutions across the globe. FCI is strategic and has very high potential of attracting a lot of positive attention in terms of collaboration and partnerships from Universities, Private Sector, and Government among others.

The faculty continues to achieve successes, developments and challenges like in other universities across the globe. FCI is always committed to excellent teaching, staff development, research, consultancy and Community engagement among others.

With thanks, I acknowledge the support FCI has received and enjoyed over time from our development partners: Nuffic, SIDA, DAAD, Government of Uganda, MIT-SANA, Google, Cisco Systems, UNFPA, ADB, AuthorAid, RENU, Commonwealth, to mention but a few. I would also like to thank the Mbarara University of Science and Technology Management in a special way for all the support and cooperation. A lot would not have been achieved without the support of FCI staff, FCI students and the general public. In a special I would like to extend special thanks to the whole of the FCI management team for spearheading this faculty to great heights. Thank you all for your support.

‘Succeed We Must’

- Visit Website
- Software Incubation and Innovations
- Department of Computer Engineering
- Department of Information Technology
- Department of Computer Science

The Faculty Administrator

Telephone:+256 701810610

# Faculty of Science - Mbarara University of Science and Technology

Home»Faculty of Science

Prof. Julius Lejju Bunny

The Faculty of Science was established in July 1995 with three departments:

- Educational Foundation and Psychology• Mathematics• Physics

The above departments offer two year masters program by course work and dissertation.In 1998 the departments of Biology and Chemistry were established to complete the entire spectrum of basic sciences.In October, the certificate and diploma in Science Laboratory Technology programs were started. These programs aimed at addressing the critical needs of skills and expertise in general laboratory practice.

Faculty Objectives:

To train science teachers in response to the acute shortage of science teachers country wideTo contribute to the development of technical skills at both national and international level by stimulating interests in the study of science subjectsTo develop relevant human resource for re-awakening and sustaining local interest in scienceTo contribute to knowledge through cutting-edge research projects in basic and applied sciences

Visit Faculty of Science website for more details

- Education Foundations and Psychology
- Science and Laboratory Technology
- Biology
- Physics
- Chemistry
- Mathematics

# Faculty of Business and Management Sciences - Mbarara University of Science and Technology

Home»Faculty of Business and Management Sciences

## Dr. Frederick Nsambu Kijjambu

The Faculty of Business and Management Sciences(FBMS) formally Institute of Management Sciences (IMS) was established in March 2013. FBMS mandate is to serve as a centre of excellence in business management and professional development in Uganda and the region. Some of our students come from neighboring countries of Rwanda, Tanzania, Burundi, Kenya and South Sudan.FBMS seeks to meet Uganda's needs, as a gateway institution both within the East African region and globally. It will serve as a hub for local and global talent, business research, business-university partnerships, global leadership, local entrepreneurship and innovation.

The distinctiveness of FBMS is its focus on meeting the management needs of local and public and private organizations within the dynamic global economy. Building on MUST's core commitment to training, research and outreach programs, the Faculty of Business & Management Sciences at MUST is and strives to be a complete global management hub, educating the world as well as innovating for the world through training and research.

The FBMS's core themes center on interdisciplinary clusters in management, globalization, innovation, agribusiness, food security and entrepreneurship,...Show more

The FBMS's core themes center on interdisciplinary clusters in management, globalization, innovation, agribusiness, food security and entrepreneurship, with focus on specific sectors and issues salient for Africa in particular. The focus of the institute aligns with emerging trends, MUST interests and priorities for growth.

**Vision**To provide quality and relevant management science education at National and International level and its applicability to Sustainable Community Development.

### Objectives

- To offer quality training, knowledge and skills transfer in Management Sciences in line with the labour needs of the country
- To establish a centre for Professional, high quality research and innovations in management sciences
- To enhance knowledge transfer partnerships between the university, community and industry.
- To create an environment that nurtures confidence among the institute graduates through career guidance and internship programs
- To offer tailor-made management training courses to private and public institutions/organizations.

### FoBMS Research Thematic Areas

- Business and Management studies
- Economics studies
- Leadership and Governance
- Organizational studies
- Cultural and Global studies
- Finance and Accounting

## **Core Research Activities**

The core curricular areas of the Faculty of Business and Management Science include Accounting & Finance, Marketing, Economics, Procurement, and Management Accounting and Organizational behavior.

Globalization — Specific areas of current and future research include: global financial flows and markets; globally networked firms; global and regional production networks; global climate change, global social and environmental movements; regional development; government regulation and policy; global non-governmental organizations; cross cultural interactions and transformations.

To enable its students transform theories and concepts learnt in class into practice, Faculty of Business and Management Sciences has Internship and Community Outreaches embedded in their curriculums. The Faculty arranges offsite trainings to students of third year. Also, the Faculty organizes workshops for both its staff and students as a strategy to strengthen their abilities in research.

## **Resources Available**

The Faculty has the following resources to ease learning and Teaching Environment:

- Faculty Resource Centre equipped with good number of computers connected to internet (about 60 computers).
- A well-established University library, one min-library and one Book Bank are always available with enough reading materials.
- Enough Lecture Rooms are available within the Faculty.
- Sufficient teaching aids and instructional materials like 05 projectors, whiteboards, and laptops for some staff members among others.

## **Quality Assurance Mechanisms**

The Faculty has the following Quality assurance Mechanisms to assess the Quality of programmes and courses, Quality of academic staff, Quality of teaching and learning experience, Quality in student assessment, Internal moderation, Quality in support services, Quality of resources and facilities, Quality of research and Quality program review process. These include;

- Research Policy and Post graduate hand book documents
- Curriculum for each programme and course and policies regarding admission and retention of students.
- Examination regulations handbooks for both students and staff to guide on learning, teaching, assessment, student support, marking and examinations, plagiarism, cheating, instructions to examiners.
- Faculty policy documents and codes of practice on curricula, equal opportunities etc.
- The Faculty has Quality Assurance committee to review Curriculum and courses after every five years.
- The Faculty conducts needs Assessment by consulting stakeholders and other relevant parties on the programme/courses under review.

## **Growth and Development of the Faculty**

- The Faculty recorded an increase in access to higher education through introducing relevant programmes applicable to community development which has led to increase in student enrolment in academic year 2018/2019.
- The Faculty has registered an increase in number of staff with appropriate qualifications.
- There has been developments of relevant/demand driven academic programmes like Internship and community outreach programmes

- Number of students enrollment increased by 15% annually as new programmes were introduced to supplement revenue.
- Availability of appropriate learning Resources for students.
- The Faculty has been able to secure some scholarships like ADB etc.
- The Faculty has been able to sign some MoUs with industry and other Institutions of higher learning.
- There has been an increase in number of postgraduate students to graduate every year by 40%.

#### **Collaborating/ Partnership**

The Faculty has been able to collaborate with individuals and organizations in research related to Business and outside Business field. To solve current global challenges, interdisciplinary research approach becomes crucial. Currently, the Faculty has the following collaborations as it is illustrated in the table below:

#### **Innovation**

- Enables students to be job creators through Business Incubation Centre.
- Industry involvement and Community outreach in line with the University mission.
- Offers specializations within certain fields of study.
- Multidisciplinary training.

#### **Future Plans**

The Faculty has the following future plans

- To enhance partnerships and collaborations for improved services through resource mobilization and staff exchange.
- Develop new infrastructure like big computer laboratory and internet for appropriate student facilities.
- Enhance learning management systems
- Increase funding for research and innovation through writing research grants, lobbying for government to increase funds for staff capacity development and also introduce short courses and new programmes to increase our revenues.
- Enforce pedagogical training for Academic staff

#### **Challenges and Mitigation Measures**

##### **Challenges**

- The Faculty is mainly affected by limited Financial resources which has failed its developments
- Inadequate staffing levels
- Inadequate funding

##### **Mitigation Measures**

- The Faculty needs strong support from Government
- The Faculty needs strong management support
- The Faculty needs to introduce new and short courses to generate funds

Finally, we thank MUST management and staff of FoBMS for the work well done in supporting and grooming students for the market and future.

- Department of Economics and Entrepreneurship
- Department of Procurement and Marketing
- Department of Human Resource Management
- Department of Accounting and Finance

Telephone: +256 772965660

# Faculty of Interdisciplinary Studies - Mbarara University of Science and Technology

Home»Faculty of Interdisciplinary Studies

## Dr. Mlahagwa Wendo

The Faculty of Interdisciplinary Studies was established in 2013 by the university council following the restructuring of the faculty of development studies. FIS is comprised of four departments .

- Department of Planning and governance,
- Department of Human Development and Relational Sciences,
- Department of Environment and livelihood support systems,
- Department of Community Engagement and Service Learning

The Faculty provides a platform for interdisciplinary research and training through offering community based academic programs that impart knowledge and skills to interface development realities that challenge the application of science and technology. FIS offers cross cutting development studies service course that is oriented to political economy to undergraduate students at MUST.

- Department of Community Engagement and service learning
- Department of Planning and Governance
- Department of Human Development and relational Sciences
- Department of Environment and livelihood support system

# Maternal Newborn and Child Health Institute - Mbarara University of Science and Technology

Home»Maternal Newborn and Child Health Institute

Prof. Kabakyenga Jerome

The Maternal Newborn and Child Health Intsitute hosts a number of projects in collaboration with Health child Uganda. Among the projects is mama toto for Sexual reproductive health and rights.

## Overview

Scaling up Mama Toto for Sexual Reproductive Health and Rights (SRHR) in Uganda Project also abbreviated as Healthy Adolescents and Young People (HAY!) supports district-led activities and multi-level capacity building to strengthen adolescent and young people-friendly services in southwest Uganda. Through comprehensive sexual and reproductive health and rights (SRHR) programming, HAY! promotes dignified care at health facilities and supports young people in making informed and confident decisions about their health in a safe and respectful environment. The project is under Healthy Child Uganda, Maternal Newborn and Child Health Institute, MUST. It's governed by a steering committee composed of MUST representatives; Mr. Melchior Byaruhanga, University Secretary and Associate Prof. Vincent Batwala, Director of Research and Graduate Training and representatives of University of Calgary International; Dr. Dianne Mosher, Associate Dean, Medicine and Ms. Ria Katsaounis, Manager, Business Operations.

## FUNDERTIMEFRAMEBUDGET

Global Affairs Canada 2020-2023 (3.5 years) \$3.5M Canadian dollars

## PARTNERS

University of Calgary (UC), Mbarara University of Science and Technology (MUST), Districts (Bushenyi, Rubirizi,

Ntungamo), Ministry of Health Uganda (MOH)

For more information please download thisdocument here

# Institute of Tropical Forest Conservation - Mbarara University of Science and Technology

Home»Institute of Tropical Forest Conservation

The Institute of Tropical Forest Conservation (ITFC) is a leading Ugandan research institution working primarily for biodiversity conservation and the sustainable management of natural resources in the protected areas of the Albertine Rift ecoregion – a global biodiversity hotspot.

ITFC was established in 1991 as a semi-autonomous research institution and field station of Mbarara University of Science and Technology (MUST) to carry out ecological and sociological research, monitoring and training. We are located on the Eastern border of Bwindi Impenetrable National Park in Ruhija, Rubanda District in Southwestern Uganda.

ITFC has built a highly creditable track record of conservation achievements that are of a global, national and local significance. The growing human pressures on the natural resources in the Albertine rift ecoregion has only served to further enhance the value of our work in conservation.

Our staff is made up of people with many years of experience and great passion for conservation – who work with the highest integrity to deliver the highest quality of timely and evidence-based research results. This is in line with our mission “to be a leading...Show more

Our staff is made up of people with many years of experience and great passion for conservation – who work with the highest integrity to deliver the highest quality of timely and evidence-based research results. This is in line with our mission “to be a leading institution that supports ecological and sociological research, monitoring and training in the Albertine Rift ecoregion”.

Since our establishment in 1991, ITFC has disseminated most of its research to a wider national and international audience in form of publications (more than 200) and workshops. Some of our prominent publications have been showcased in high impact journals such as Science, Biotropica, Conservation Biology and Forest Ecology among many others.

Being a research institution focused on biodiversity conservation, ITFC’s efforts heavily rely on sponsorships by several donors and partners. Even with the current financial support that we appreciate to no end, long term financial security remains a challenge. Therefore, continuing support is required and donations to support and keep our work going are greatly appreciated.

# Frequently Asked Questions - Mbarara University of Science and Technology

## Frequently Asked Questions

[Home](#)»[Frequently Asked Questions](#)

What health and wellness services are available to students?

How do I access the university's Wi-Fi network?

## How do I access the university's Wi-Fi network? - Mbarara University of Science and Technology

- Technology and IT Support

To access the university's Wi-Fi network, you need to use your student credentials to log in. The Wi-Fi network is available throughout the campus, including in classrooms, libraries, and common areas. Detailed instructions for connecting to the Wi-Fi network can be found on our IT support page.

Share this

Other FAQs