



NATIONAL UNIVERSITY OF  
SCIENCE AND TECHNOLOGY



# NUST 2024 ANNUAL REPORT

*Think In Other Terms*



# NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

# CONTENTS



<b>ABOUT US</b> .....	3
<b>Our Vision &amp; Mission</b> .....	4
Chairperson’s Statement .....	5
Vice-Chancellor’s Statement .....	7
NUST Chancellor .....	10
NUST Council .....	12
NUST Principal Officers .....	14
<b>Key Result Areas</b> .....	15
Governance and Administration .....	16
Human Capital Development .....	31
Innovation and Business Development .....	46

**Editor:** *Thabani Mpfu*  
**Design & Layout:** *Mandlenkosi Phulu*  
**Photography:** *Resta Chikomo & Mandlenkosi Phulu*

**Published by:**  
 Department of  
 Communication and Marketing

National University of  
 Science and Technology

P.O. Box AC 939, Ascot,  
 Bulawayo, Zimbabwe

www.nust.ac.zw  
 coma.director@nust.ac.zw  
 +263 292 282842

Facebook: *@NUSTZw*  
 Twitter: *@nustzim*  
 TikTok: *@nustzim*  
 WhatsApp: *@NUST News Channel*  
 LinkedIn: *@National University of Science and Technology*



SCAN TO VISIT  
 OUR WEBSITE



# ABOUT US

GUIDED by its vision, mission and motto, the National University of Science and Technology (NUST) has grown phenomenally since its establishment in terms of student and staff population, faculties, academic programmes on offer and infrastructural development.

Established by an Act of the Zimbabwe Parliament in 1991, NUST opened its doors to the first intake of 270 students on the 8th of April 1991 in three Faculties of Commerce, Applied Science and Industrial Technology.

Currently, the student enrolment stands at 11,410 from eight (8) Faculties of Applied Science, Environmental Science, Engineering (formerly Industrial Technology), Medicine, The Built Environment, Science and Technology Education, Communication and Information Science and Business and Economic Science (formerly Commerce).

There is also an Institute of Development Sciences, a Graduate School of Business Sciences, and a Centre for Continuing Education.

A new Faculty of Agricultural Science and Technology has been launched and will enroll its first intake in August 2025. The new faculty aligns with the Government's vision to incorporate cutting-edge agricultural technologies to improve the country's agricultural productivity. It will produce new critical skills in the agricultural sector in the areas of Sustainable Food Production, Agricultural Engineering, Agricultural Information Technology, Agricultural Genetics and Cell Technology, and Agribusiness, Economics, and Management.

The University has seven (7) affiliate institutions. These are Bulawayo Polytechnic, Harare Polytechnic, Mutare Polytechnic, Kwekwe Polytechnic, TelOne, Africa Leadership and Management Academy and Zimbabwe Institute of Public Administration and Management.

The staff population stands at 1455 with 42% being academic and 58% support staff.

The Vice-Chancellor is Prof Mqhele Enock-Hershal Dlodlo, who was appointed the third Vice-Chancellor of NUST on the 22nd of February 2018.

The late Prof Phinias Mogorosi Makhurane is the

founding vice-chancellor, having been appointed on the 19th of May 1991 until his retirement in 2004.

The late Prof Lindela Roland Ndlovu was the University's second Vice-Chancellor from 2005 to 2015.

From graduating 163 students from three faculties on its inaugural graduation ceremony on the 27th of May 1995, the University graduated 3,201 students from eight (8) faculties in 2024.

Since the installation of its second Chancellor, His Excellency, the President of the Republic of Zimbabwe, Dr Emmerson Dambudzo Mnangagwa on the 9th of November 2018, NUST has experienced significant infrastructural growth.

His Excellency and Chancellor, Dr E.D. Mnangagwa commissioned the NUST Innovation Hub on the 8th of November 2019.

On the 15th of November 2024, His Excellency and Chancellor, Dr E.D. Mnangagwa commissioned the Prof Phinias Mogorosi Makhurane Technovation Centre. This is a state-of-the-art three-story complex, meant to capacitate academics and students to identify problems in communities and develop technology-based solutions to solve them. The Tech Centre supports the University's technology-entrepreneurship curriculum that transforms students into job creators, in line with the Heritage Based Education 5.0.

NUST has embraced the Heritage-based Education 5.0 thrust for the production of goods and services through its Bulawayo Technology Centre, Applied Genetics Testing Centre (AGTC) that houses the DNA testing and apparels and detergents plants. The University is currently constructing factory shells on campus.

The University is also engaged with the transformation of the Joshua Mqabuko Nkomo Ekusileni Hospital into a specialist quinary teaching and research hospital. The operationalisation of the Phase 1 kicked off in 2024 with the purchase of state-of-the-art equipment from China for obstetrics, gynaecology, maternal child health, theatres and Intensive Care Unit. Delivery, installation and opening is expected in 2025.



# NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY



## MISSION | VISION | VALUES



To lead in human capital development for industrial and socio-economic transformation, with a bias towards science, technology, engineering and mathematics (STEM) based solutions.



To be a world-class University in science, technology, innovation, entrepreneurship and business development, spearheading industrialisation locally and beyond.



**In the delivery of value to clients:**

- We pursue academic excellence with integrity, honesty and ethical behaviour.
- We are committed to responsible research and innovation that drives commercialisation and industrialisation.
- We thrive on mutual respect, teamwork and effective partnerships.
- We are driven by a passion to fulfil your dream.

## Motto

*Think In Other Terms*

# Chairperson's Statement

I AM pleased to welcome you all to the 4th Annual General Meeting (AGM) for the National University of Science and Technology (NUST). It is a pleasure to present my Chairperson of NUST Council Report for the year 2024 to our shareholders.

Before I proceed with my presentation, I humbly request that we observe a moment of silence for four (4) students and five (5) staff members who passed away in 2024.

May their dear souls rest in peace! I thank you.

Distinguished shareholders, last year I reported that 2023 was the year for NUST, as we received huge financial support towards infrastructural development projects. The support saw us resume construction of legacy infrastructure, especially our priority project, the Prof Phinias Mogorosi Makhurane Technovation Centre.

In 2024, our target was to finish the building envelope for the Prof Phinias Mogorosi Makhurane Technovation Centre and present it for commissioning by His Excellency and Chancellor during the 2024 Graduation Ceremony. This project was among the Government's 100 Day Cycle of 2024.

I am happy to report that we completed the building envelop and the building was commissioned by His Excellency and Chancellor, President Dr E.D. Mnangagwa during our 2024 Graduation Ceremony.

The family of the late founding Vice-Chancellor of NUST, graced the commissioning ceremony.

May I take this opportunity to express our profound gratitude to His Excellency and Chancellor, President Dr E.D. Mnangagwa, for not only providing financial resources but for also inspiring us to build NUST brick-by-brick with our own hands. Indeed, *Ilizwe lakhiwa ngabanikazi balo!*

I also wish to thank the Honourable Minister of Higher and Tertiary Education, Innovation, Science and Technology Development, Ambassador Dr Frederick Shava and his Ministry team for the support and guidance.

The lessons we learnt in the new model of construction we adopted under your leadership have motivated us to finish all legacy buildings, which have been an eyesore to our campus for the past 24 years. We are ready to resume construction of the Central Library.

On the Factory Shells, the contractor, Masvingo Polytechnic, moved onsite but there was slow progress.

Our 2024 Graduation Ceremony was historic to us in many ways. Firstly, His Excellency and Chancellor



**PROF LINDIWE MAJELE SIBANDA**  
*NUST Chairperson of Council*

commissioned the Prof Phinias Mogorosi Makhurane Technovation Centre, named after the founding Vice-Chancellor of NUST. Prof Makhurane is the brains behind the University motto, "Think in Other Terms" that dovetails with the Heritage-based Education 5.0 philosophy.

Secondly, it was our 30th Graduation Ceremony since the establishment of NUST in 1991. From 162 students from two (2) faculties in 1995, His Excellency and Chancellor, capped 3,201 graduates from 8 faculties.

Thirdly, we graduated the first graduates of the transformative Heritage-based Education 5.0. These graduates are innovative, entrepreneurial and future-ready. They are already making an impact locally, regionally and globally with their problem-solving innovations, as shall be reported by the Vice-Chancellor.

May I thank His Excellency and Chancellor, President Dr E.D. Mnangagwa for sponsoring six graduation prizes.

During the year under review, the University experienced a 13.5% overall growth in the number of academics with PhD qualifications, which increased from 148 in 2023 to 168 in 2024. This reflects positively on the University's efforts to strengthen academic qualifications and research capacity.

A new Faculty of Agricultural Science and Technology, which integrates modern technologies to enhance the country's agricultural sector and boost food security was launched in 2024. It will enrol its first intake of students in August 2025.

The new faculty aligns with the Governments vision to incorporate cutting-edge agricultural

technologies to improve the country's agricultural productivity.

The faculty will produce new critical skills in the agricultural sector through its five (5) degree programmes on Sustainable Food Production, Agricultural Engineering, Agricultural Information Technology, Agricultural Genetics and Cell Technology, and Agribusiness, Economics, and Management.

The operationalisation of the Joshua Mqabuko Nkomo Ekusileni Hospital into a specialist quinary teaching and research institution kicked off with the purchase of state-of-the-art equipment for Phase 1 from China. Delivery and installation of the equipment for obstetrics, gynaecology and maternal child health was expected in the first quarter of 2025.

By the end of the year, preparations for the handover of the hospital to NUST by the National Social Security Authority (NSSA) were at an advanced stage.

Distinguished shareholders, our strategic plans for 2025 are to increase our third income stream through high impact projects; resume construction of the Central Library; finish Phase 1 operationalisation of the JMN Ekusileni Hospital and work on transforming NUST Farm into an agro-industrial park through drawing water from Mananda Dam, seven (7) kilometres away.

As NUST Council, we pledge our commitment to grow and develop NUST. To this end, I wish to express our profound gratitude to the Minister of Higher and Tertiary Education, Innovation, Science and Technology Development, for appointing five additional members of Council during the year under review. The appointments strengthened NUST Council by reducing the workload and ensuring that as Council we deliver on our mandate.

I wish to take this opportunity to thank all our stakeholders for the support and guidance we received during the year under review.

I thank you.



*His Excellency and Chancellor of NUST, President Dr E.D. Mnangagwa commissions the Prof Phinias Mogorosi Makhurane Technovation Centre during the NUST 2024 Graduation Ceremony. Far right is the Minister of Higher and Tertiary Education, Innovation, Science and Technology Development, Amb Dr Fredereck Shava, Minister of Finance and Economic Development, Prof Mithuli Ncube (second from right), Chairperson of NUST Council, Prof Lindiwe Majele Sibanda (third from right), Vice-Chancellor, Prof Mqhele E. Dlodlo (far left) and representative of the Prof P.M. Makhurane family, Eng Mogorosi Makhurane (second from left).*

# Vice-Chancellor's Statement

IT is my honour and privilege to present the Vice-Chancellor's Statement for the year 2024. The statement is a summary of the operational performance of the University, highlights of achievements, milestone events and outlook for the future.

## Commissioning of Prof Phinias Mogorosi Makhurane Technovation Centre

The major highlight of the year under review is the commissioning of the Prof Phinias Mogorosi Makhurane Technovation Centre by His Excellency and Chancellor, President Dr E.D. Mnangagwa. The milestone is a testament to His Excellency and Chancellor's mantra, *Ilizwe lakhiwa ngabanikazi balo!* As NUST, we are witnesses to His Excellency and Chancellor's philosophy of not living anyone and any place behind.

The tech centre, which was completed by NUST as the main contractor, will be the springboard for science and technology-based innovations that will transform the lives of the people.

On behalf of NUST Community and indeed on my own behalf, I wish to thank His Excellency and Chancellor for the financial resources and inspiration for us to use our own hands to complete legacy infrastructural projects.

I also wish to thank the Ministry of Higher and Tertiary Education, Innovation, Science and Technology Development for the support and guidance.

During the year under review, other infrastructural projects that were underway are the construction of factory shells by Masvingo Polytechnic.

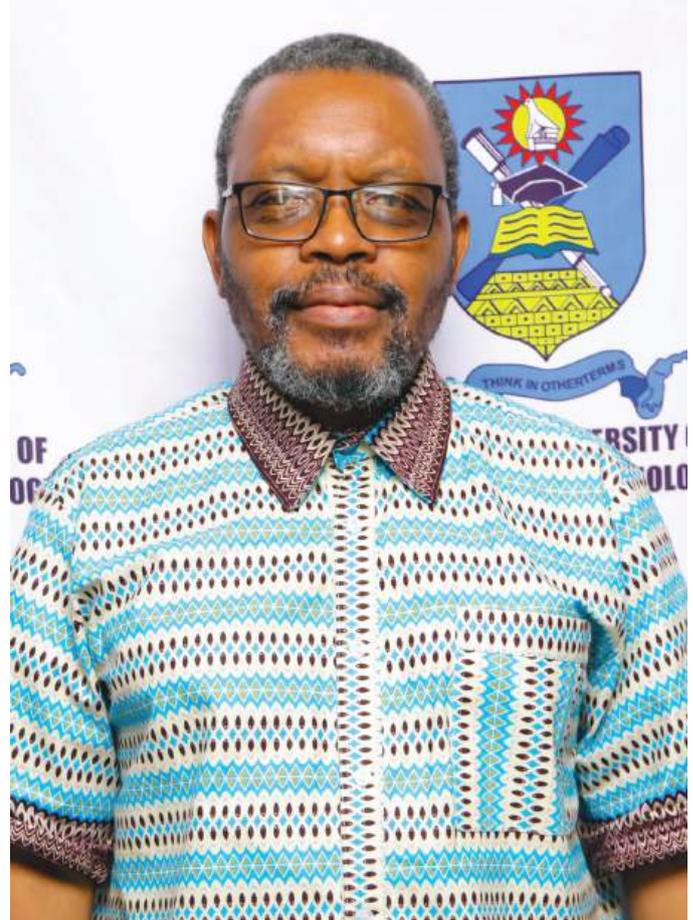
Once completed, the factory shells will anchor the University's industrialisation thrust. Already, we are involved in plastic container production, fruit jam and honey processing and training of small-to-medium enterprises (SMEs), among other services. These products and services will be fully commercialised and housed at the factory shells under the Bulawayo Technology Centre.

Indeed, the Heritage-Based Education 5.0 is creating industries.

## Research and Innovation Achievements

NUST has fully aligned with the National Development Strategy 1 (NDS 1) and Vision 2030 of an upper-middle income economy through the implementation of the Heritage-based Education 5.0.

As part of our vision of leading in human capital development for industrial and socio-economic transformation with a bias towards science, technology, engineering and mathematics-based



## PROF. ENG. MQHELE E. DLODLO *Vice-Chancellor*

solutions, NUST undertook research and produced innovations to drive economic development.

During the year under review, our students produced 14 innovations that received recognition and awards national, regional and global.

### 2<sup>nd</sup> Presidential Innovators Fair

The University won five prizes at the 2<sup>nd</sup> Presidential Innovators Fair. Through our Applied Genetic Testing Centre (AGTC), which is the country's centre of excellence in DNA Testing, NUST was the 2<sup>nd</sup> Runner-up in the Grand Presidential Innovation Award of the Year 2024. We were also judged as the 2<sup>nd</sup> Runner-up in the Best Innovating University category. Our AGTC has expanded its services from human DNA profiling and paternity testing to animal DNA testing, GMO identification, solving cases of stock theft, murder and sexual assault, and HIV viral load testing.

NUST also won the Best Young Innovator of the Year award through its electrode paste innovation for procession iron ore. Another mining innovation, Smart Helmet was the 1<sup>st</sup> Runner-up in the Best Innovation in the Mining category.

## 2024 Enactus World Cup

Our students raised the country's flag high in Kazakhstan where they won the 2024 Enactus World Cup Championship with their innovation that turns plastic waste into fuel. For the first time in the history of Zimbabwe and Africa, the students brought home the Enactus World Cup floating shield, out-competing students from the United Kingdom and Brazil in the finals.

## Oxford Africa Innovation Seed Fund

Another group of all-female First Year students studying computer science, won the 1st Prize in the Oxford Africa Innovation Seed Fund competition with their Smart Irrigation System for Sustainable Agriculture innovation. The innovation aims to implement advanced technology solutions to optimise water usage in agriculture. It involves the installation of sensor-based irrigation systems that monitor soil moisture levels, weather conditions, and crop water requirements.

## Hackathon for Sub-Saharan Africa

At regional level, two students studying Electronic Engineering and Computer Science, won the Llama 3.1 impact Hackathon for Sub-Saharan Africa in aid of Artificial intelligence innovation for social impact issues across Africa.

## Lithium-ion battery production

The University is heavily involved in research and innovation in lithium-ion battery production. The University is researching on using locally produced graphite from Lynx Mine in Karoi, to produce lithium-ion batteries, which are used in cell phones, laptops, electric motor vehicle and solar power backups.

The innovation received a major boost when the lead researcher a Doctor of Philosophy candidate, received awards at the 13th Zimbabwe International Research Symposium. She won the grand prize, the Robert Gabriel Mugabe Award to an individual for outstanding research and the Presidential Award to a female researcher for outstanding research. We can only attribute such recognition to the full implementation of Your Excellency and Chancellor's Heritage-Based Education 5.0.

## Operationalisation of JMN Nkomo Ekusileni Hospital

The operationalisation of the Joshua Mqabuko Nkomo Ekusileni Hospital as a quinary hospital moved a gear up. The University, with financial support from the Ministry of Higher and Tertiary Education, Innovation, Science and Technology Development, purchased equipment for the Phase 1 units – gynaecology, paediatrics and post-natal care.

Delivery and installation of the equipment is expected in 2025.

Specialists have been identified and are ready to start offering services, as soon as specialist equipment is installed.

The National Social Security Authority (NSSA) is expected to formally handover the hospital to NUST in 2025.

## Improvement of Campus Life

The University continues to improve on the campus life and experience of students. A state-of-the-art 75-seater bus and an ambulance were purchased. Plans are in place to further increase the fleet of our buses in 2025.

The University also invested in 400 desktops for student laboratories and 400 laptops for academics, to strengthen our mandate as a science University.

A solar system was installed to power the campus radio, NUST FM. The campus radio has proven to be critical to students' learning and campus life experience. I invite you to tune in to 101.1 and Feel the Vibe.

## Launch of New Faculty and Programmes

NUST is growing and maturing academically, as a STEM-oriented university. From three (3) Faculties in 1991, the University now boasts of nine (9), seven of them STEM-oriented.

During the year, the Faculty of Commerce was stematised to Faculty of Business and Economics Sciences. Programmes under this Faculty are to be fully stematised by the end of 2025.

A new Faculty of Agricultural Science and Technology was launched. The new Faculty is envisioned to support His Excellency and Chancellor, President Dr E.D. Mnangagwa's drive on agricultural modernisation and mechanisation for increased productivity and production towards the achievement of Vision 2030.

The new and unique Faculty seeks to close the skills gap and create new critical competencies in the agricultural sector.

The new Faculty is expected to enrol its first students in August 2025 under five new degree programmes. These are BSc Honours Degrees in:

- Agricultural Information Technology,
- Agricultural Engineering,
- Agricultural Genetics and Cell Technology,
- Agribusiness, Economics and Management, and
- Sustainable Food Production.

In addition, the University introduced 24 new degree programmes across Faculties, as we seek to

offer programmes that fit into the Heritage-Based Education 5.0 and contribute to national development.

To sustain our academic growth and maturity, we are happy to report that the number of professors has increased to 44 while several of our academics are holders of Doctor of Philosophy degrees and others are in the process of acquiring PhDs.

### **Highlights of 2024 Graduation Ceremony**

The 30th Graduation Ceremony ran under the theme “Celebrating Innovative, Future-Ready First Graduates of Heritage-based Education 5.0”.

The theme was apt as it described a new type of human capital critical to the fulfilment of Zimbabwe’s Vision 2030 of an upper-middle income economy. It also demonstrated that NUST has fully embraced your Heritage-Based Education 5.0.

The graduates were trained to provide the essential knowledge and skills needed for production of quality goods and services for the modernisation and industrialisation of our nation.

His Excellency and Chancellor, President Dr E.D. Mnangagwa capped 3,201, a 7% increase from 2023.

The University continues to experience an increase in the number of STEM graduates. For a STEM-oriented University, the high percentage of female STEM graduates standing at 48% is encouraging, as it means more female engineers, scientists, IT experts, architecture and construction experts among other male-dominated fields. This affirms that NUST is closer to reaching the 50-50 gender parity goal, towards the achievement of Sustainable Development Goal number five (5).

Three students graduated with Doctor of Philosophy degrees while one graduating with a Master of Philosophy.

A total of 248 students are graduated with First Class and Distinctions.

54 international students from Botswana, Zambia and Equatorial Guinea graduated.

Sadly, one student graduated posthumously.

Five programmes, which were conceived at the introduction of the Heritage-Based Education 5.0 philosophy, graduated students for the first time.

These are Bachelor of Science Honours Degrees in:

- Information Management and Technology,
- Architectural Studies,
- Fiscal Studies in collaboration with Ba Isago University from Botswana,
- Master of Medicine in Family Medicine,
- Master of Science in Applied Geographical Information Science and Remote Sensing.

### **Recipients of the Chancellor’s Award**

Six (6) students received the prestigious Emmerson Dambudzo Mnangagwa Chancellor’s Awards. These are:

- Kundai Chikaura who is graduating with a Bachelor of Science Honours Degree in Operations Research and Statistics.
- Passmore Jeke, who is graduating with a Bachelor of Science Education Honours Degree in Mathematics.
- Proud Ganye, who is graduating with a Bachelor of Science Honours Degree in Operations Research and Statistics.
- Lisa Chiwawa, who is graduating with a Bachelor of Engineering Honours Degree in Fibre and Polymer Materials Engineering.
- Stephen Kumbanga and Kudzai Maphosa, who are both graduating with Bachelor of Engineering Honours Degrees in Chemical Engineering.

On behalf of Council, Management, Staff, Students and Alumni, I wish to take this opportunity to express our gratitude to His Excellency and Chancellor, President Dr E.D. Mnangagwa for the sponsorship of the awards, which have inspired our students to excel.

### **Challenges**

Attracting and retaining critical staff remained a major challenge. The University lost 24 academics and 25 support staff, negatively affecting achievement of strategic goals.

### **Conclusion**

I wish to take this opportunity to express our gratitude to His Excellency and Chancellor, President Dr E.D. Mnangagwa for availing resources for infrastructural development, innovations and students’ awards and recognition.

I also wish to acknowledge the support and guidance we received from our Ministry of Higher and Tertiary Education, Innovation, Science and Technology Development during the year under review.

Let me also acknowledge our partners, sponsors, stakeholders and sister institutions who worked with us throughout the year. Let us continue working together for the development of our beautiful nation.

I Thank You!

# THE UNIVERSITY CHANCELLOR



## HIS EXCELLENCY AND CHANCELLOR, PRESIDENT DR EMMERSON DAMBUDZO MNANGAGWA

LLB (University of London), Hon. PhD (NUST), Hon. LLD (MSU),  
Hon. DPIR (GZU), Hon. LLD (UZ), Hon. D. Eng. (CUT), Hon PhD (NDU),  
LLD, LLB, LPI (University of Zambia), Hon PhD (BUSE).

# MINISTRY OF HIGHER AND TERTIARY EDUCATION, INNOVATION, SCIENCE AND TECHNOLOGY DEVELOPMENT



**Ambassador Dr Frederick Shava**  
**Minister of Higher and Tertiary Education, Innovation,  
Science and Technology Development.**

*PhD International Relations and Diplomacy (UK), MPhil in Parasitology (Royal Holloway College, UK), MSc in Nematology (Imperial College, UK), BSc in Biology (UNZA).*



**Hon. Simelisizwe Sibanda**  
**Deputy Minister of Higher and Tertiary Education, Innovation, Science  
and Technology Development.**

*MSc in Disaster Mgt (NUST), MSc in Peace, Leadership and Conflict Resolution (ZOU), MSc in Ecotourism and Biodiversity Conservation (NUST), BSc in Agric Mgt (ZOU), Dip. In Agric (Esigodini Agric College), Dip. In Development and Disaster Mgt (NUST), Dip. In Emergency and Disaster Mgt (IDS), Cert. in HIV/AIDS Care and Counselling (UNISA).*



**Prof dr. Fanuel Tagwira**  
**Permanent Secretary for Ministry of Higher and Tertiary  
Education, Innovation, Science and Technology Development.**  
*DPhil in Soil Chemistry and Fertility (UZ), MSc in Soil Chemistry (Reading University, UK), BSc in Biology and Chemistry (National University of Lesotho)*

# MEMBERS OF NUST COUNCIL



**Prof Lindiwe Majele Sibanda**  
*Chairperson*

*PhD in Animal Physiology and Nutrition (University of Reading, U.K), MSc in Animal Science (University of Reading, U.K) and BSc in Animal Science (University of Alexandria, Egypt).*



**Mr Collence Chirume**  
*Deputy Chairperson*

*BA (Hons) in Accounting and Finance (University of Derby), Association of Chartered Certified Accountant (ACCA), Executive Masters of Business Administration (NUST), Certificate Theory in Accounting (Institute of Chartered Accountants in Zimbabwe) and an Advanced Diploma in Taxation (Zimbabwe Revenue Authority).*



**Prof Norman Takaidza**

*D.Ed, PhD, MPhil, MSc, MBA, M.Ed, B.Ed, Dip Ed, C.E, Dip Comp, Certif in Assessment, Certif in Moderation of Assessments*



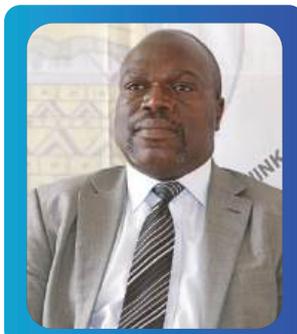
**Ms Siphathisiwe Maisiri-Mguni**

*Master's in Business Administration (NUST), Corporate Management Diploma (IAC), & Postgraduate Diploma in Management (NUST).*



**Eng Irene Kamutero-Goto**

*Diploma in Project Management, ND in Mechanical Engineering Draughting & Design Technology (Harare Poly), BSc Hons in Mechanical Engineering Systems & Operations Management (UZ).*



**Dr Edwin Sibanda Mzingwane**

*Bachelor of Medicine Bachelor of Surgery (UZ).*



**Mrs Priscilla Munyeza**

*BSc Hons Degree in Economics (UZ), a Master's Degree in Business Administration (Nottingham Trent University, U.K) & an Institute of Bankers' Diploma*



**Mr Caleb Mutandwa**

*Bachelors of Law Honours Degree (UZ) & Masters in Human Rights Law (University of Ulster)*



**Dr Eng Farai Karonga**

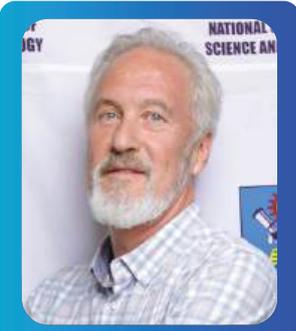
*PhD in Mining Engineering, Masters in Economic and Commerce (both University of North Rhein Westphalia, Germany), BSc (Hons) in Pure Mathematics (University of East Anglia, U.K).*



**Mrs Edith Maziofa-Tapfuma**

*MSc Population Studies (Demography), BSc. Hons Psychology (both UZ), Post Graduate Diploma Public Health Management, Planning & Policy (University of Leeds), HND Human Resources Management (IPMZ), Fellow – Vital Voices Leadership Programme for Women, Corporate Sustainability, Coursera (Bocconi).*

# MEMBERS OF NUST COUNCIL



**Mr Douglas Eduard John Bramsen**  
*Bachelor of Pharmacy (Rhodes University), Diploma in General Management (Institute of Management), Courses on Corporate Governance.*



**Mrs Esther Mupundu**  
*MBA (UZ), Bachelor of Laws (Hons) degree (UZ), Certificate on General Course on Intellectual Property (WIPO), Certificate on Specialised Course on Essentials of Patents (WIPO), Certificate in Commercial Law Training (International Senior Lawyers Project), Certificate of Proficiency in Short and Long Term Insurance (Insurance Institute of Zimbabwe).*



**Mr Upenyu Manyanye**  
*MBA (UZ), Computer Science & Mathematics (UZ)*



**Mr Bernard Gona**  
*BSc Political Science & Administration (UZ), Diploma in Personnel Management (IPMZ), Management Development Program (UNISA), MBA (Nottingham Trent University), Post Graduate Diploma in Management Consultancy (Chartered Management Institute, UK).*



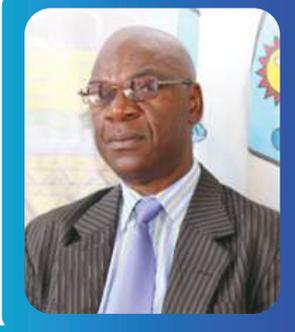
**Dr Thembekile Ncube**  
*(Senate Representative)  
 PhD in Microbiology (University of Limpopo), MSc in Microbiology (University of Fort Hare), BSc Hons in Applied Biology and Biochemistry (NUST), Postgraduate Diploma in Higher Education (NUST).*



**Prof Philimon Nyamugure**  
*(Senate Representative)  
 PhD in Statistics (University of Limpopo, SA), MSc in Operations Research and Statistics (NUST), BSc in Applied Mathematics (NUST), Post Graduate Diploma in Higher Education (NUST)*



**Mr Michael Luphahla**  
*(Workers' Representative)  
 Dip. in Payroll Management (IPTA), Cert in PayDay, Level 1 & 2 Paywell.*



**Mr Readyforward Dube**  
*(Workers' Representative)  
 Certs. in Job Grading, Peer Educator Trainers of Trainers in HIV/ AIDS, African Leadership, Paralegal introduction to Labour Law and Law, Grievance Handling and Disciplinary Hearing, Cert of Proficiency in Retirement Fund Trusteeship, HRP, M&E in the Public Sector.*



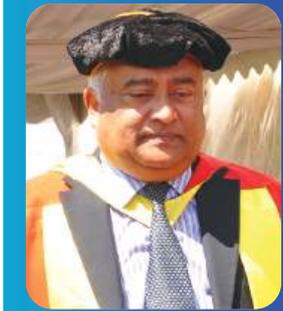
**Mr Wardle Gombingo**  
*Student Representative Council President*

# PRINCIPAL OFFICERS OF NUST



**Prof. Eng. Mqhele E. Dlodlo**  
*Vice-Chancellor*

*Doctor (TU Delft), M.S.E.E. (Kansas State University), B.S. (Independent), B.S.E.E. (Geneva College).*



**Prof. Yogeshkumar Naik**  
**Pro-Vice Chancellor,**  
**Research and Academic Affairs**  
*PhD Bio-Chemistry (UZ),  
MSc Bio-Chemistry (Bombay),  
BSc Chemistry (Bombay)*



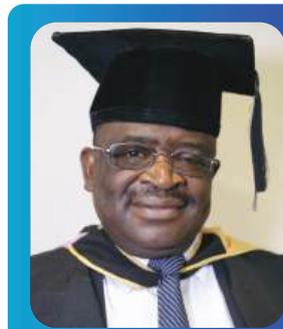
**Prof. Eng William Goriwondo**  
**Pro-Vice Chancellor,**

**Innovation and Business Development**  
*PhD in Business Administration (NUST), MSc in  
Manufacturing Systems & Operations Management (UZ),  
B.Eng Hons in Industrial Engineering (NUST), Post  
Graduate Diploma in Higher Education (NUST)*



**Mr Biggy Ngwenya**  
**Registrar**

*MSc in HRM (GZU), MBA (NUST), BSc  
Hons in Sociology (UZ), Diploma in  
Training Management (IPMZ), Certificate in  
Education (Hillside Teacher's College),  
Higher Certificate in Motivation (IPMZ),  
Higher Certificate in Research Methods  
(IPMZ).*



**Mr Stanford Ndlovu**  
**Bursar**

*BTech Hons Degree in Accountancy (UZ);  
Chartered Institute of Management  
Accountant. (CIMA).*



**Ms Ethel Pedzisai Kawome**  
**Acting Librarian**

*MSc in Library and Information Science (NUST),  
BSc in Library and Information Science (NUST),  
National Diploma in Library and Information  
Science (Harare Polytechnic).*



# **KEY RESULTS AREAS**

**GOVERNANCE AND ADMINISTRATION**

**HUMAN CAPITAL DEVELOPMENT**

**INNOVATION AND BUSINESS DEVELOPMENT**

# GOVERNANCE AND ADMINISTRATION

## HUMAN RESOURCES

The Section is mandated with ensuring that the University has relevant human skills to efficiently and effectively meet its goals. The Human Resources Section was involved in several employee resourcing activities, including recruitment and selection, promotions and tenure, employee relations, leave management, training and staff development.

Several activities were undertaken during the year under review, including aligning human resource policies and procedures to national legislation and University policies; attracting, motivating and retaining competent employees; training and staff development, as well as staff wellness programmes.

## Council

In 2024, five (5) new additional Council Members were appointed to enrich the role and responsibility of Council. These are Mr Douglas E.J. Bramsen, Mr Upenyu Manyanye, Mr Bernard Gona, Mrs Eddith Maziofa-Tapfuma and Mrs Esther Mupundu. This brings to 14 the NUST Council Members. Table 1 below shows council members' attendance to council meetings.

Table 1: Council and Council Committees Attendance Register (Jan-Dec 2024)

		COUNCIL MEETING		EXCO		FINANCE COMMITTEE		AUDIT COMMITTEE		RISK MANAGEMENT COMMITTEE		INVESTMENT COMMITTEE		SALARIES AND CONDITION OF SERVICES COMMITTEE		CAMPUS DEVELOPMENT COMMITTEE		ACADEMIC STAFF PROMOTIONS		FEES REVISION COMMITTEE		RESEARCH AND DEVELOPMENT BOARD COMMITTEE	
		Meetings held	Meetings attended	Meetings held	Meetings attended	Meetings held	Meetings attended	Meetings held	Meetings attended	Meetings held	Meetings attended	Meetings held	Meetings attended	Meetings held	Meetings attended	Meetings held	Meetings attended	Meetings held	Meetings attended	Meetings held	Meetings attended	Meetings held	Meetings attended
1	Professor L M Sibanda (Chairperson)	4	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Mr C Chirume (Deputy Chairperson)	4	3	4	1	3	3	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
3	Prof N Takaidza	4	3	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3	-	-
4	Engineer I Kamutero	4	4	4	3	-	-	-	-	-	-	3	3	1	1	3	3	-	-	4	3	-	-
5	Dr Eng F Karonga	4	4	4	4	3	3	-	-	3	3	1	0	-	-	1	1	-	-	-	-	3	3
6	Ms S Mguni-Maisiri	4	2	4	3	1	1	6	4	-	-	-	-	2	2	-	-	-	-	-	-	-	-
7	Mr C Mutandwa	4	3	4	4	3	3	-	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-
8	Dr E Sibanda-Mzingwane	4	3	-	-	-	-	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Mrs P Munyeza	4	1	4	3	4	3	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-
10	Mr D Bramsen	4	3	4	3	-	-	5	5	-	-	-	-	-	-	2	2	-	-	-	-	-	-
11	MR U Manyanye	4	4	-	-	-	-	-	-	3	2	2	1	-	-	2	2	-	-	-	-	-	-
12	Mrs E Mupundu	4	4	-	-	-	-	5	5	-	-	2	2	-	-	2	2	-	-	-	-	-	-
13	Mrs E Tapfuma	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Mr B Gona	4	4	-	-	-	-	-	-	3	3	-	-	-	-	-	-	1	1	-	-	-	-

**Staff establishment**

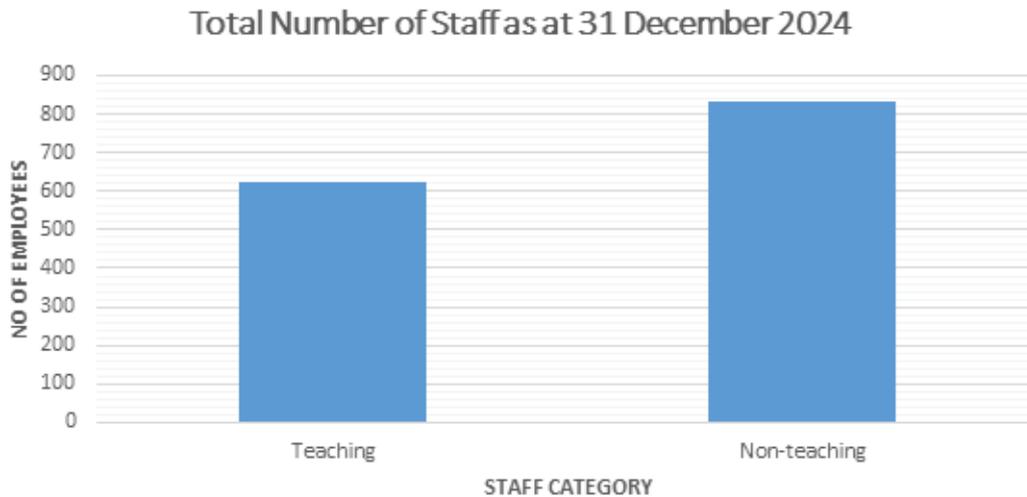
There was a decrease of 5.9% in the vacancy rate compared to the previous year. Table 2 below shows the required total staff establishments versus the total number of staff that were in post as at 31 December 2024.

Table 2: Staff establishment

Category	Total Establishment	In post	Vacancies	Vacancy rate%
Teaching	792	624	168	21.2
Non-teaching	986	831	155	15.7
Total	1778	1455	323	18.2

Figure 1 below shows teaching versus non-teaching staff in post in 2024.

Figure 1: Teaching vs non-teaching staff in post



In terms of gender profile, 41% are female staff and 59% are male staff. In the teaching staff category, 32% are female and 68% are male, while in the non-teaching staff, 47% are female and 53% are male, as shown in Table 3 and Figures 1 and 2.

Table 3: Gender profile of staff

Gender	Teaching Staff	Non-teaching staff	Grand Total
Male	427	437	864
Female	197	394	591
<b>Total</b>	<b>624</b>	<b>831</b>	<b>1455</b>

Figure 2: Teaching staff gender profile

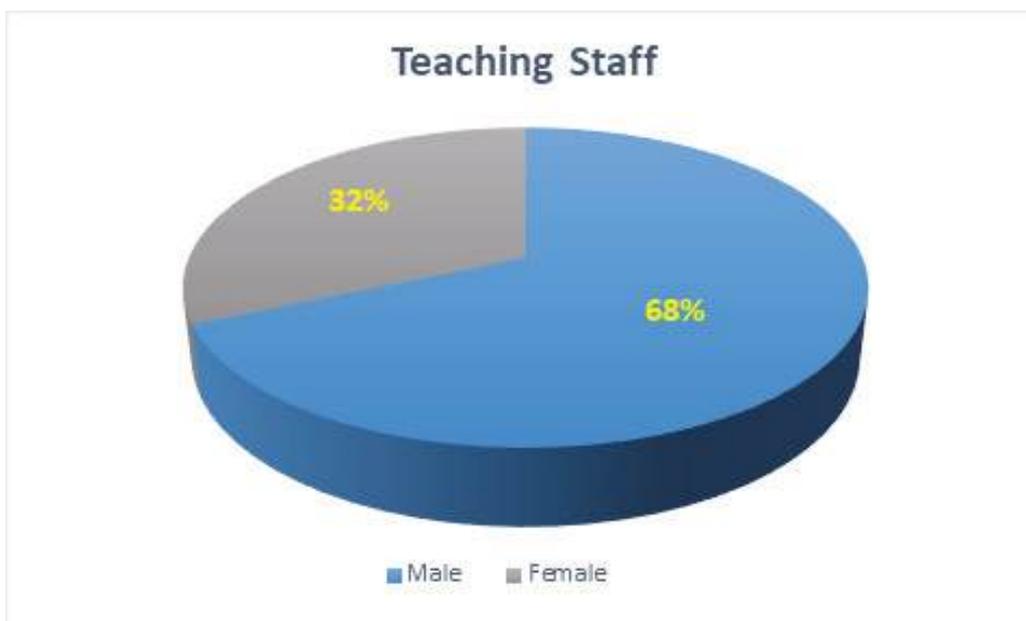
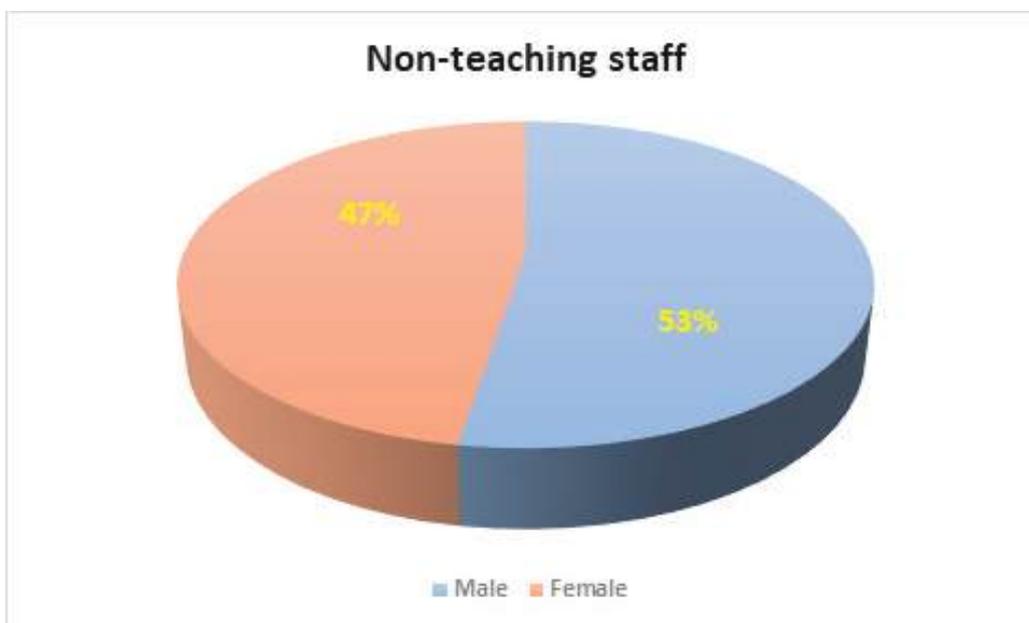


Figure 3: Non-teaching staff gender profile



### Breakdown of Teaching Staff

Table 4 below shows the breakdown of teaching staff into Professors, Associate Professors and Senior lecturers, as well as their gender distribution.

Table 4: Senior Teaching Staff

Designation	Male	Female	Total
Professor	19	4	23
Associate Professor	16	5	21
Senior Lecturer	49	25	74
Grand Total	84	34	118

Out of a total of 118 senior academic staff members, 84 were male and 34 were female, indicating a significant gender disparity in favour of males across all positions.

- At the Professor level, there were 19 males and only 4 females, making up a total of 23. That meant that females constituted approximately 17.4% of Professors.
- Among Associate Professors, 16 were male and 5 were female, out of a total of 21, with females representing about 23.8%.
- The Senior Lecturer category had the highest number of staff, totalling 74, of which 49 were male and 25 were female, indicating that 33.8% of Senior Lecturers were female.

Overall, the data reflected a trend of underrepresentation of females, particularly in the higher academic ranks, with their proportion increasing slightly at the Senior Lecturer level. That might suggest the need for targeted gender equity interventions by the University in academic career progression.

Figure 4: Gender profile of senior academic staff members

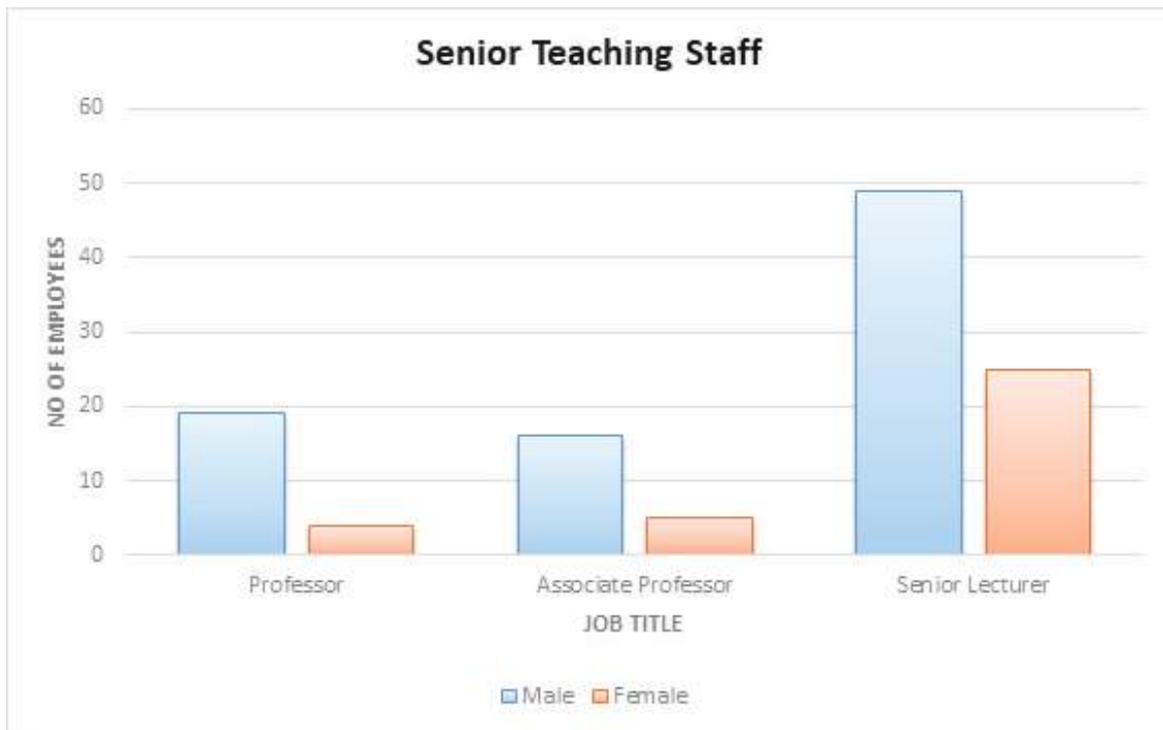


Figure 4 above clearly shows that males outnumbered females in all categories, with the greatest disparity at the Professor level.

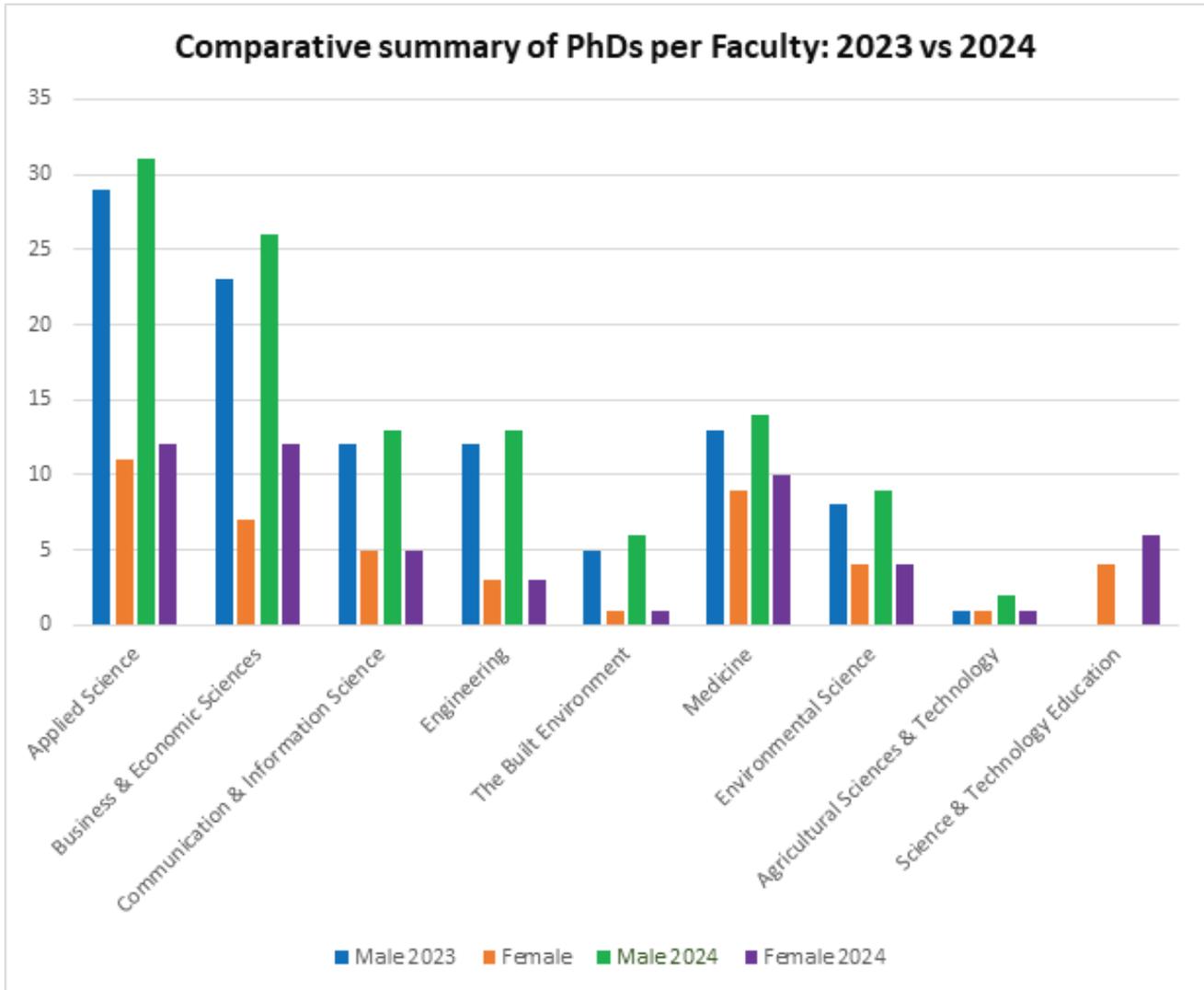
### Attainment of Doctorate Degrees

During the period under review, eight (8) members of staff attained doctoral degrees. That brought the total number of doctorate degree holders for the University to 168. Table 5 illustrates the distribution of new doctorate holders, while Figure 5 gives a comparative summary of PhD holders per Faculty.

Table 5: Number of PhDs acquired in 2024

FACULTY	NUMBER OF PHDS ACQUIRED IN 2024
Applied Science	1
Medicine	2
Business and Economic Sciences	1
Communication and Information Science	1
The Built Environment	1
Engineering	1
Science and Technology Education	1
<b>Total</b>	<b>8</b>

Figure 5: Comparative summary of PhD per Faculty



The total number of PhD holders across all Faculties increased from 148 in 2023 to 168 in 2024, representing a 13.5% overall growth. That reflected positively on the University’s efforts to strengthen academic qualifications and research capacity. The number of male PhD holders rose from 103 to 114, while female PhD holders increased from 45 to 54. Female representation improved slightly, rising from 30.4% in 2023 to 32.1% in 2024, indicating gradual progress toward gender equity in academic qualifications. Despite overall growth, the gender gap remained wide, particularly in STEM Faculties like Engineering, The Built Environment and Applied Science, where male PhD holders continued to dominate.

**Recruitment**

During the period under review, the University prioritised strategic recruitment and selection processes to ensure that the departments were adequately staffed to deliver their academic and administrative mandates.

**Appointments to Senior Positions**

The University appointed five (5) senior officers in 2024. These are Chief Risk Officer (01 October 2024), Systems Manager (01 September 2024), Business Automation Manager (01 September 2024), Executive Dean, Faculty of Environmental Science (01 October 2024), and Catering Services Manager (01 October 2024).

**Academic Staff Appointments**

By 31 December 2024, a total of sixty-seven (67) full-time academic members of staff were appointed. Sixty (60) were appointed at Lecturer grade, four (4) were appointed at Senior Lecturer Grade, one (1) was appointed at Associate Professor Grade, one (1) was appointed at full Professor Grade and one (1) was appointed as a Research Fellow.

**Non-Teaching Staff Appointments**

Ninety-nine (99) members of staff were appointed during 2024 to fill vacant positions across various non-teaching departments and forty-five (45) of them were promotions from within the University.

**Promotions and Tenure**

The Academic Staff Promotions Committee sat once in 2024 to consider applications for promotion. The Committee was guided by the provisions of Ordinance 28 and the ZIMCHE guidelines.

**Applications for promotions**

- **Application to Full Professor Grade:** The Committee received ten (10) applications for promotion to full Professor grade and eight (8) of those were successful and only 2 applications failed to meet the criteria for promotion.
- **Application to Associate Professor grade:** The Committee received thirteen (13) applications for promotion to Associate Professor grade and nine of those were successful and 4 of them failed to meet the promotion criteria.
- **Application to Senior Lecturer Grade:** The Committee considered fourteen (14) applications for promotion to Senior Lecturer Grade and all of them were successful.

**Applications for Tenure**

A total of twenty-four (24) applications were confirmed for tenure. There was a significant increase in number of applications as compared to 2023 where only six (6) applications were confirmed for tenure.

Table 6: Staff attrition

Type of attrition	2023			2024		
	Teaching	Non-teaching	TOTAL	Teaching	Non-teaching	TOTAL
Resignation	38	39	77	24	25	49
Dismissal	0	3	3	0	2	2
Retirement	6	8	14	3	6	9
Deceased	0	2	2	3	1	4
Expiry of contract	2	0	2	4	0	4
<b>Grand Total</b>	<b>46</b>	<b>52</b>	<b>98</b>	<b>34</b>	<b>34</b>	<b>68</b>

**Leave Management**

**Contact Leave**

A total of seventeen (17) members went on Contact Leave. Nine (9) of them were members from the teaching staff while eight (8) were senior administrative staff.

**Sabbatical Leave**

None of the members from the teaching staff applied for Sabbatical Leave for the year under review.

**University Leave Liability**

As at 31 December 2024, 36% of the employees had accumulated leave days up to the maximum limit. There was a slight decrease of 2.8% from the same period in 2023, which indicated better leave management practices. The HR section will continue to encourage staff to take their leave in order to help reduce the University’s leave liability.

**Staff attrition**

During the year 2024, the University lost a total of sixty-eight (68) employees through various forms of attrition compared to ninety-eight (98) employees in the previous year. The details are indicated in Table 6 and Figure 6.

Figure 6: Comparison of staff attrition – 2023 vs 2024

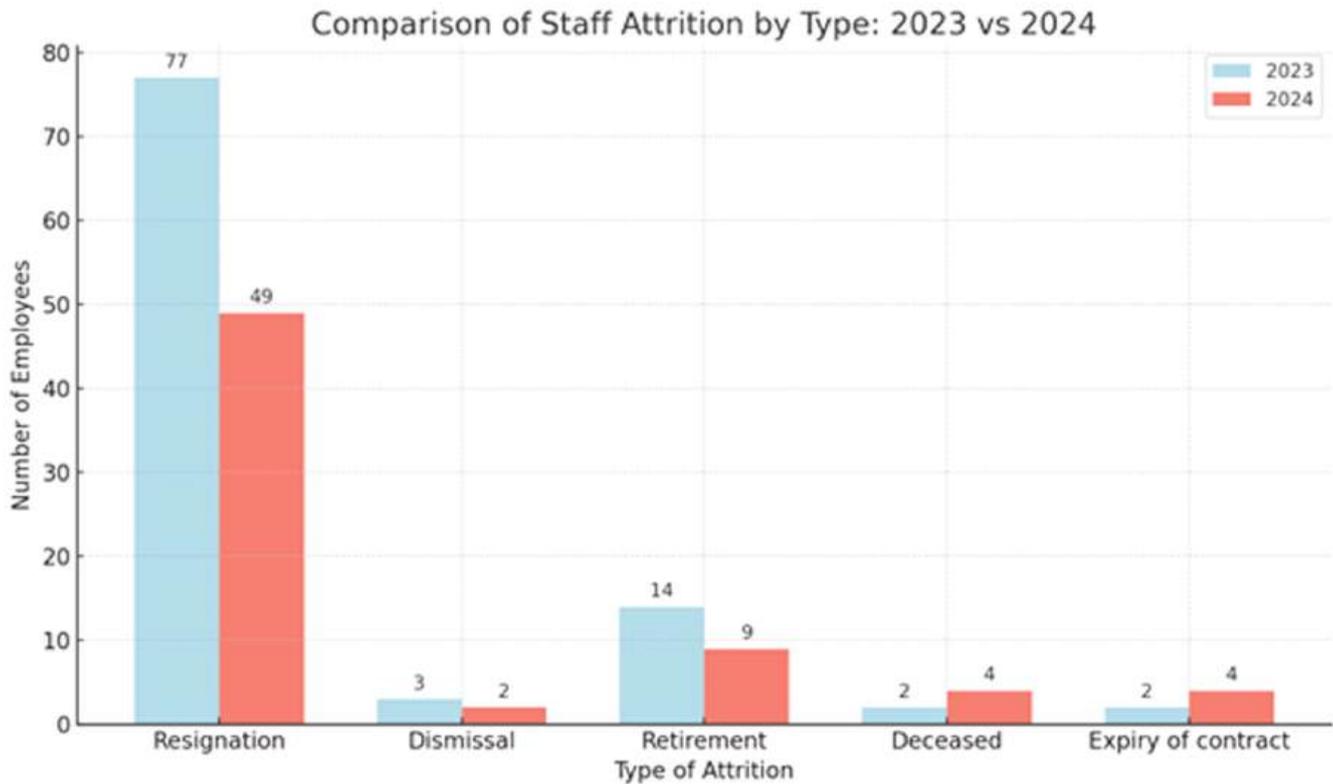
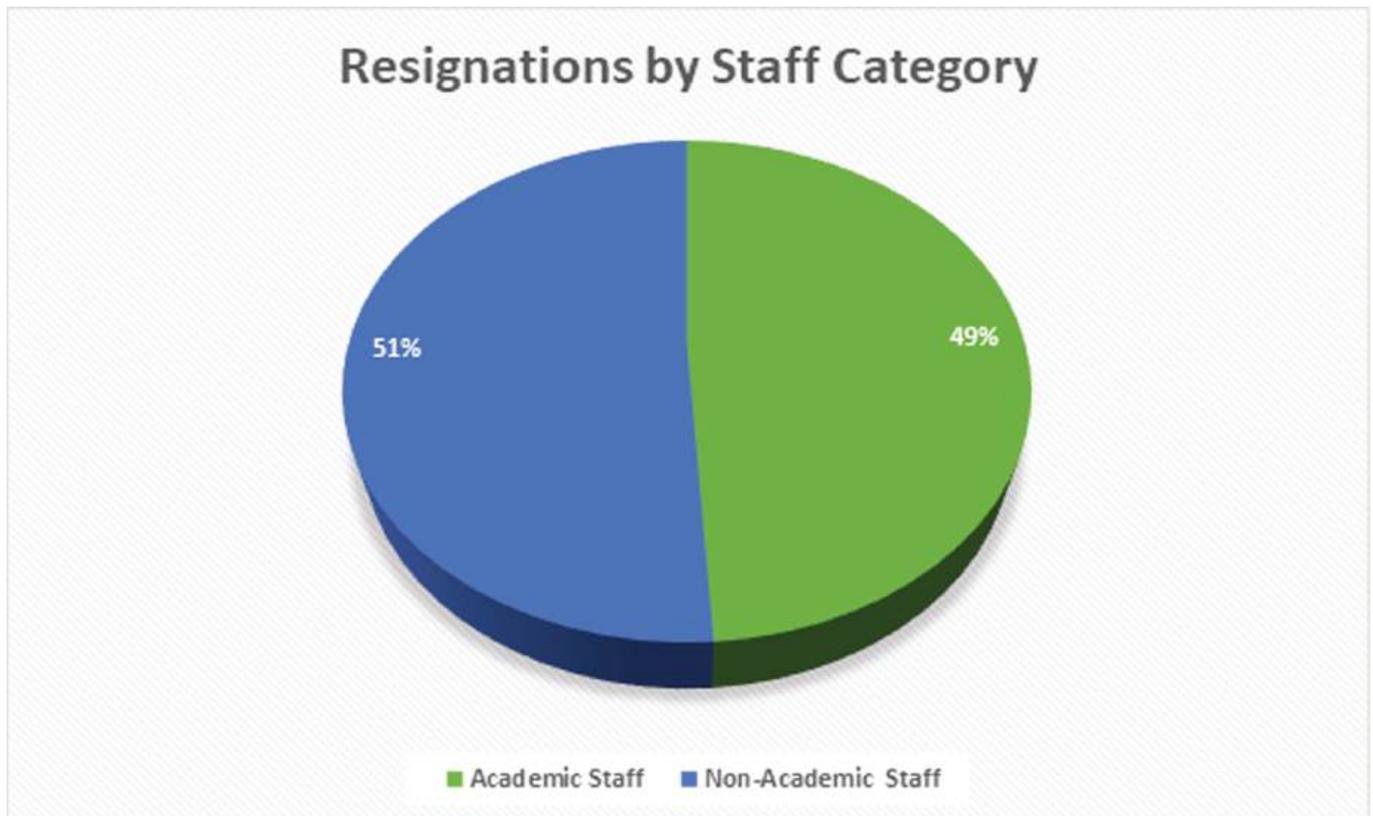


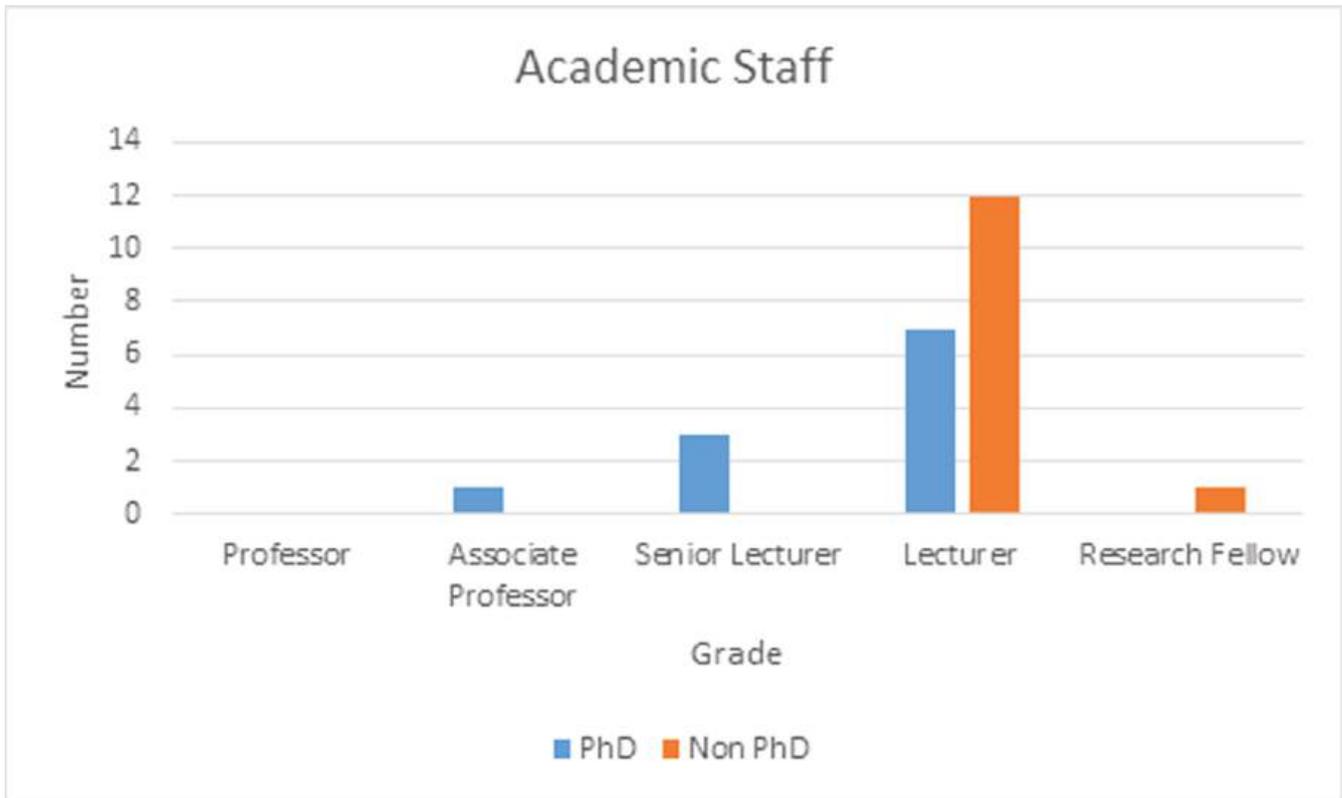
Figure 6 illustrates the comparison of staff attrition by type between the years 2023 and 2024. There was a notable decline in resignations and retirements in 2024, while attrition due to death and expiry of contracts increased slightly. Further analysis shows that 24 (49%) academic staff resigned compared to 25 (51%) non-academic, as shown in Figure 7.

Figure 7: Academic vs non-academic staff resignations



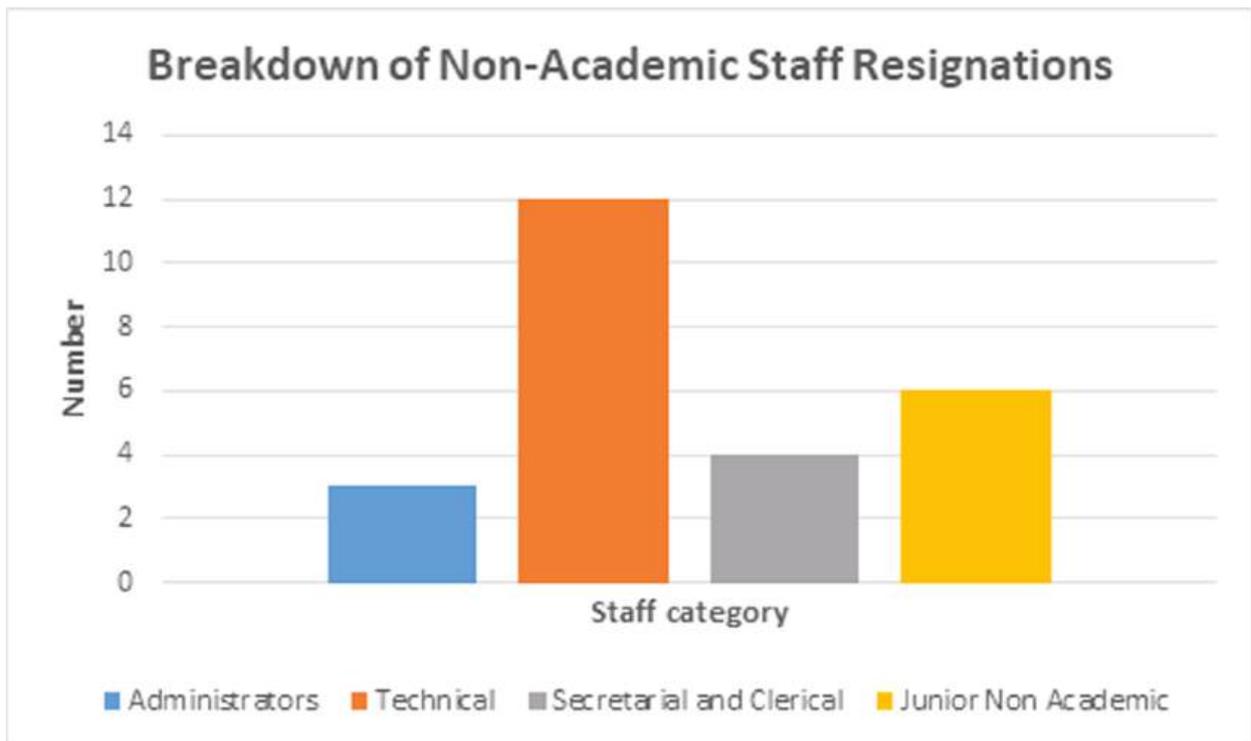
Further analysis of the academic staff resignation statistics reveals that 19 (79%) lecturers, 12 of them PhD holders resigned followed by Senior Lecturers at 3 (12.5%) and only one Associate Professor and one Research Fellow resigned. No full Professor resigned during the year under review, as shown in Figure 8.

Figure 8: Resignation Summary of academics by Job Categories



Out of 25 non-academic staff resignations, the University experience highest number of resignations of technical staff at 12 (48%), followed by 6 (24%) junior staff, 4 (16%) secretarial and clerical and 3 (12%) administrators. Figure 9 illustrates breakdown of non-academic staff resignations.

Figure 9: Breakdown of non-academic staff resignations



## Staff relations

### Discipline Management

During the year under review, two (2) members of staff appeared before the Staff Disciplinary Committee charged with various acts of misconduct in terms of Statutory Instrument 15 of 2006. Both of them were members from the non-teaching staff and had their contracts terminated as per the resolutions of the Committee.

### Training and Staff Development

In order to continuously improve the performance of the employees, the University encouraged its members from various sections to pursue studies on different areas of interest. That was done in order to give employees a better understanding of their responsibilities and the knowledge and skills they needed to perform. The University conducted a series of training programmes focused on key areas aimed at enhancing employee well-being and workplace safety. These included:

- **Wellness Initiatives:** Implemented in collaboration with First Mutual Life Health, these initiatives provided services such as cervical cancer screening, dental care, and optometry. Additionally, VIVAT Clinic supported the programme by issuing 50 free vouchers for prostate cancer screening, benefiting all male employees aged 40 and above.
- **Occupational Health and Safety Awareness:** Aimed at strengthening safety standards across the workplace through targeted education and engagement.
- **Drug and Substance Abuse Awareness Campaign:** A video series was launched to educate employees on the risks and consequences of substance abuse, aiming to foster a healthier and more supportive work environment. The campaign featured informative content such as the NUST Drug and Substance Abuse Awareness Campaign, which introduced the topic and laid the foundation for further discussions.
- **Gender, Inclusivity, and Wellness Campaign:** Hosted on campus, this campaign focused on fostering awareness around gender equality, inclusivity, and holistic employee wellness.

### Staff Development

A total of 86 academics were at different levels of their studies. Of these, eight (8) completed their PhDs and seven (7) were on full-time PhD studies while 24 were on split-site PhD studies. Table 6 shows distribution of academics on studies according to their Faculties. For non-teaching staff, 12 were studying MSc programmes and 2 were studying PhD programmes.

Table 7: Academic staff on studies

PROGRAMMES	FACULTIES							
	Applied Science	Engineering	Built Environment	Medicine	Science and Technology Education	Business and Economic Sciences	Environmental Science	Communication & Information Science
Completed PhD studies	1	0	1	1	1	2	0	0
Full-time PhD studies	3	1	0	0	1	1	0	0
PhD split-site	7	5	2	2	0	3	0	5
Full-time post-doctoral studies	0	0	0	0	0	0	1	0
Split-site post-doctoral	4	2	0	0	0	5	0	4
MSc split site	0	1	1	0	0	0	0	0

**Challenges**

- The University continued losing critical staff due to resignations, and that negatively impacted on the attainment of the strategic objectives.
- Attracting and retention of critical staff became a challenge because of the low salaries.
- The University did not raise enough revenue from third income streams, which could be used to augment employees’ salaries.

**ADMISSIONS AND STUDENT RECORDS**

**Introduction**

The Admissions and Student Records Section, continues to play a central role in facilitating access to higher education through transparent and efficient admission processes, while maintaining accurate and secure student records throughout the academic lifecycle. This report presents the activities, achievements, challenges, and forward-looking priorities for the 2024/2025 academic year.

**Core Functions**

- Processing Undergraduate and Postgraduate applications.
- Verifying academic qualifications and documentation.
- Maintaining accurate and secure student records.
- Issuing academic transcripts, certificates, and confirmation letters.
- Supporting examination clearance and graduation processes.
- Coordinating with Faculties on admissions and student progress.

Table 8: Student Enrolment in 2024

FACULTY	Undergraduates			Postgraduates		
	Male	Female	Total	Male	Female	Total
APPLIED SCIENCES	1112	774	<b>1886</b>	165	133	<b>298</b>
ENGINEERING	1363	487	<b>1850</b>	70	18	<b>88</b>
ENVIRONMENTAL SCIENCE	247	299	<b>546</b>	52	32	<b>84</b>
THE BUILT ENVIRONMENT	930	483	<b>1413</b>	110	52	<b>162</b>
SCIENCE AND TECHNOLOGY EDUCATION	224	205	<b>429</b>	148	109	<b>257</b>
MEDICINE	134	132	<b>266</b>	1	9	<b>10</b>
COMMERCE	934	1108	<b>2042</b>	606	477	<b>1083</b>
COMMUNICATION AND INFORMATION	179	316	<b>495</b>	60	84	<b>144</b>
<b>Overall Totals</b>	<b>5123</b>	<b>3804</b>	<b>8927</b>	<b>1212</b>	<b>914</b>	<b>2126</b>

In 2024, the student enrolment stood at 11,053 of which 42.7% were female and 57.3% were male. Out of the total enrolment, 65.9% were in STEM programmes and 34.1% were in none STEM programmes.

**Digitisation Progress**

Online application system successfully piloted and integrated with EduRole. Academic transcript processing and printing is 99% automated, ensuring efficiency, accuracy, and timely delivery with minimal manual intervention.

**CATERING SERVICES UNIT**

**Introduction**

The Catering Services continued to grow and increase its revenue generation. The unit hosted several events including high profile ones that featured Government Ministers and business leaders.

**Revenue generated**

In the year 2024 the catering unit generated a total of USD\$369,587 in revenue from the major catering income streams namely residential students’ income, over the counter sales, functions and meetings.

## Future Plans

The Catering Unit has set objectives for the coming year 2025 and the major activities are outlined as follows:

- Improving food quality
- Improved menu variety
- Efficiency of service
- Automation of catering systems
- Decongesting kitchens
- Refresher trainings
- Expanding catering services and products

## DIVISION OF STUDENT AFFAIRS

### Introduction

The Division of Student Affairs (DSA) remained committed to the holistic welfare and development of our students. In 2024, the Division broadened its reach through expanded health promotion programmes, vibrant co-curricular activities, strengthened student leadership initiatives, and continued financial, spiritual, counselling, and accommodation support. These efforts were delivered in a year of tight resources and acute staff shortages, yet staff and students alike rose to the challenge with resilience, creativity, and a strong sense of community.

### Student Work for Fees Programme

The Student Work for Fees Programme is a social safety net initiative designed to assist academically deserving but financially disadvantaged students at risk of dropping out due to financial constraints. The programme targets vulnerable groups, including orphans, students from child-headed households, and students whose parents are infirm or incapacitated. It provides tuition relief by placing students in supervised, campus-based work positions and ensures accountability by monitoring both the hours worked and academic performance of each participant. By December 2024, a total of 178 students were enrolled in the programme. Of these, 19 (10.7%) students successfully completed their studies and were removed from the register. Two female students who are beneficiaries of the programme, graduated with Honours Degrees in Chemical Engineering.

### Student Development & Community Services

This department is responsible for registering and mentoring clubs and societies, facilitating student innovations, career and entrepreneurship programmes, and coordinating community engagement projects.

Some of the highlights and achievements include:

- In 2024, six students from the ENACTUS Club represented Zimbabwe at the 2024 ENACTUS World Cup – Early-Stage Competition in Astana, Kazakhstan, and brought home the Championship Trophy.
- Three male student leaders from the Youth Mappers secured a US\$4,600 grant from the Bulawayo City Council for a GIS-based solid waste project.
- Thirteen members of the same club mapped Nembudziya, Gokwe, producing open-source spatial data for local planners.
- Thirteen members of the OMEGA LEOS attended the Annual General Assembly in Kariba, which helped strengthen leadership, service learning, and collaboration with the Lions International networks.
- In environmental efforts, 40 students from the NUST Forestry Environmental and Wildlife Society (FEWS) won the “Future of the Environment” quiz and debate.
- Another 40 students from the NUST Environmental Society led a clean-up campaign at the Hillside Dams.
- Academic and career-focused events were also held, including Scholastica @ ZITF, which drew 160 students from five Faculties. The Choice Champions Club organised a quiz and debate tournament attended by 70 students on campus.

### Health Services

The Health Services Section is mandated to provide primary healthcare to students, promote wellness, and prevent disease through structured health education campaigns. The Section also ensures that complex medical cases are referred promptly to external specialists to maintain continuity and quality of care. Some of the highlights of this section include:

- In 2024, the Section delivered comprehensive healthcare services and expanded its health promotion initiatives.
- The campus clinic attended to 1,278 students presenting with minor ailments such as colds, headaches, and coughs, particularly during the winter season. Of these, 33 students were referred to the United Bulawayo Hospitals (UBH) for specialist care.
- Health education and outreach activities were strengthened during the year. A total of 30 students successfully completed a UNESCO-facilitated three-day training workshop covering HIV and STIs, mental health, and substance abuse. These trained peer educators have since taken a leading role in raising awareness across campus. In addition, health staff participated in the Choice Champions TB campaign, which was attended by 40 students.

- The Section also led a campus-wide drug and substance abuse awareness campaign, which engaged 278 students through interactive sessions, exhibitions, and peer dialogue. These efforts reflect the Section's commitment to creating a healthy, informed, and supportive student environment.

### **Counselling Services**

Counselling Services is responsible for providing individual and group counselling, facilitating psycho-educational workshops, and training peer counsellors to support students' emotional, psychological, and social well-being. Some of the highlights and achievements were:

- In 2024, the Section faced a significant challenge, operating without a professional counsellor for the entire year due to staffing constraints. Despite this limitation, the Chaplaincy Unit provided essential support through walk-in sessions, particularly during high-stress periods such as examinations.
- To mitigate the gap in service provision, Collaborative Wellness Circles were introduced in partnership with Peer Educators. These sessions reached approximately 90 students and created a safe space for peer-to-peer mental health support.
- Additionally, the Health Services Section contributed by delivering stress management sessions during first-year orientation, benefiting a large number of new students. These initiatives reflect the Division's commitment to supporting student mental health despite resource limitations.

### **Sports and Recreation Services**

In 2024, a total of 468 athletes participated in the Zimbabwe Universities Sports Association (ZUSA) Cluster 1, 2 and 3 Games, competing in 20 different sporting disciplines including, cricket, golf, karate, taekwondo, swimming, table tennis and hockey. They won 118 medals.

In addition, 159 students participated in the Zimbabwe Tertiary Sports Union (ZTISU) Games and won 28 medals.

At the regional level, 13 students participated in the Confederation of University and College Sports Association (CUCSA) Games in Pretoria, South Africa, and brought home 4 medals.

Sports trainers collaborated with Health Services to organise weekly "Move NUST" fun runs during the 2nd Semester, with over 200 students participating per run.

### **Campus Security Services**

Crime on Campus remained reasonably suppressed, except for assault and theft from motor vehicles, which increased from 12 cases reported on campus in 2023 to 27 cases in 2024. The awareness campaigns on examinations conduct by security personnel contributed to the reduction of examination-related cases from 53 in 2023 to 14 in 2024. The unit plans to conduct more crime awareness campaigns on campus to manage the image of NUST as a safe campus.

# MOUs Signed in 2024

No.	CONTRACT NAME	DEPARTMENT	DATE SIGNED	DESCRIPTION
1	Gr2A Partnership Agreement: EU-Mobility NDICI MOBAF Project	Informatics and Analytics	30 January 2024	Parties were given a grant under an EU programme on Grow Green Project. NUST is the coordinator of the project and as such responsible for the grant funds disbursements.
2	Mviyo Technologies	Department of Computer Science	11 January 2024	Establishment of collaborative relationship in application of technology solutions.
3	MOA- Ceylon Mechatronics (Pvt) Ltd (EU-ZW 2024-01-04)	Industrial and Manufacturing Engineering	20 February 2024	Development of a specific EU-ZW webpage and Project Management Tool for the external information or communication or disseminating and internal communication of the project progress.
4	MOU- AIDS Health Care Foundation	Faculty of Medicine	14 February 2024	To develop a Diploma in HIV/AIDS management and also research projects.
5	Institute of Bankers in Zimbabwe	Department of Banking	7 February 2024	Cooperation in the provision of distance education and research.
6	Research Council of Zimbabwe- Grant Agreement	RIO	14 March 2024	Grant Agreement for the production of Enzymes. The project was selected for funding under the Science Granting Councils Initiative (SGCI) Phase II Plus.
7	Global Advance Training and Evaluation Trust	IBD & Faculty of Built Environment	2 May 2024	To establish and strengthen the bond between parties in research and capacity exchange objectives.
8	University of Johannesburg and University of Zambia	Department of Banking	14 May 2024	Hosting of the finance and investment conference series 2024 – 2026.
9	MOA- Tshova Mubaiwa	IBD	13 June 2024	Sponsorship Agreement for Tshova Mubaiwa to introduce NUST FM to their Commuter omnibus operators for them to play NUST FM in their cars. In turn Tshova Mubaiwa to participate in shows - content creation for segments relating to Driving Tips and Traffic Updates.
10	Subgrant Agreement- Stellenbosch University	IDS	24 June 2024	NUST is the Sub-grantee in the project entitled “AUDA NEPAD Networks of African Water Centres of Excellence in Water – Phase III (ACEWATER III)”
11	MOA- Esther Maketo	IBD	June 2024	Parties to jointly package and value-add groundnuts for both local and export markets.

## 2024 Annual Report

No.	CONTRACT NAME	DEPARTMENT	DATE SIGNED	DESCRIPTION
12	MOA- Thulani Chauke	IBD	June 2024	Collaboration to mutually develop Expandable Laboratory Kits (Mobile Lab).
13	MOU- Fojo Media Institute (Renewal)	Journalism and Media Studies	12 June 2024	Parties have mutual interests in the field of media development and journalism education and intend to increase their cooperation within the Media Nexus Programme 2022-2025.
14	MOU- Topline Research Solutions (TRS)	Statistics and Operations Research	17 July 2024	Co-operation in the field of research and data analysis.
15	Association of African Business Schools (AABS) Hosting Agreement.	Graduate School of Business	10 July 2024	Hosting of the annual event in 2025
16	Mennonite Central Committee (MCC)	Business Management	10 July 2024	Provision of a financial grant for ZRP training (Conflict Transformation & Leadership – Business Management).
17	MOA –UZ	LIS	18 July 2024	Teaching of Chinese language and culture
18	MCC Central Committee Canada (MCCC)	Business Management	30 August 2024	Collaboration & coordinating with MCC Zimbabwe in the “Locally-led Indigenous Nature-based solutions for Climate change adaptation in Zimbabwe
19	MOU - University of Free State	IDS	August 2024	To develop academic cooperation in various fields.
20	MOA - Archmaster	CCE	8 August 2024	Training and certification
21	MOA- Sub grant Agreement (CIAT)	IDS	29 August 2024	The purpose of the grant is to conduct field work research on climate, fragility and displacement in Tsholotsho, Chimanimani and Tongogara Refugee Camp in Zimbabwe.
22	MOA- Total Energies	Faculty of Engineering	September 2024	Collaboration in offering scholarships, bursaries, industrial attachments/ internship to the NUST students, career opportunities and training
23	World Food Program (Addendum 1)	Institute of Development Studies	5 September 2024	Addendum 1: Bootcamp on training of trainers on ecosystem restoration and regenerative agriculture
24	World Food Program (Addendum 2)	Institute of Development Studies	23 September 2024	Addendum 2: Zimbabwe National Research Symposium
25	MOA- Minerals Marketing Corporation of Zimbabwe (MMCZ)	IBD	25 September 2024	MMCZ seeks to collaborate with NUST in undertaking Research and Development related to minerals mined in Zimbabwe and in particular, Lithium.

## 2024 Annual Report

No.	CONTRACT NAME	DEPARTMENT	DATE SIGNED	DESCRIPTION
26	MOA- Institute of Bankers of Zimbabwe (IOBZ)	CCE	6 September 2024	Collaboration to jointly offer short- and medium-term executive capacity development programs to corporate and individual executives in Zimbabwe and any other regional market in Africa based on the conditions detailed hereunder.
27	MOA- Radiation Protection Authority of Zimbabwe (RPAZ)	Radiography	October 2024	RPAZ to supply and process dosimeters to the NUST to monitor the occupational radiation exposures of the it's students and other representatives as requested.
28	Dandemutande	GSBS	November 2024	Collaboration in different activities, including the establishment of a Master of Business Administration in Digital Innovation and Transformation Science (MBADITS) Degree Programme.
29	Blue Marble Services (s.r.o)	IBD	November 2024	Regarding mutual collaboration of fuel technology



*The Vice-Chancellor, Prof Mqhele E. Dlodlo and the Director of Marble Services, Mr Bukhosi Ncube shake hands after signing an MOU on the development of a fuel additive expected to enhance fuel efficiency and reduce carbon emissions. The innovation will be housed at the Prof Phinias Mogorosi Makhurane Technovation Centre.*

# HUMAN CAPITAL DEVELOPMENT

## Introduction

The report presents achievements of the University on Human Capital Development for 2024. The University focus areas are the pillars of the Heritage-based Education 5.0, that is, teaching and learning, research, community engagement, innovations and industrialisation. Activities on innovations and industrialisation are reported under the Innovation and Business Development.

## Teaching and Learning

The University equipped some laboratories with computers, with plans to further equip the remaining ones in 2025. Modularization was successfully adopted although there were some challenges especially in modules that rely heavily on practicals with students expressing the need for more time in the laboratories before writing examinations.

## New programmes

A total of eighteen (18) new degree programmes were developed and submitted to ZIMCHE for approval. Four (4) are Master's and fourteen (14) are undergraduate. Among them are five (5) programmes for the new Faculty of Agricultural Science and Technology. These programmes are expected to enroll students in 2025. These are:

- BSc (Hons) in Artificial Intelligence and Machine learning
- Bachelor of Engineering (Honours) in Agricultural Engineering
- Bachelor of Science (Honours) degree in Agricultural Information Technology
- Bachelor of Science (Honours) degree in Agricultural Genetics and Cell Technology
- Bachelor of Science (Honours) degree in Agribusiness, Economics and Management
- Bachelor of Science (Honours) degree in Sustainable Food Production
- Bachelor of Science (Honours) degree in Film Technology and Visual Effects
- Bachelor of Science (Honours) degree in Strategic Communication.
- BTech Degree in Mass Communication (Affiliate programme at Harare Polytechnic)
- Bachelor of Engineering in Renewable Energy.
- Bachelor of Science (Honours) degree in Regional and Urban Planning.
- Bachelor of Science (Honours) degree in Construction Management
- Bachelor of Architectural Studies (General) Degree.
- Bachelor of Science Education (Honours) degree in Geography and Environmental Science
- Bachelor of Science (Honours) degree in Health Information Management
- Master of Science degree in Communication for Development and Innovation.
- Master Science degree in Publishing Media and Technology Studies.
- Master of Science degree in Applied Information Science and Technology.
- Master of Science degree in Housing and Infrastructure Development

## Research

A total of 265 publications were produced in 2024. Plans are in place to increase research funding to boost the number of publications in 2025.

## Community Engagements

A number of community engagement projects were conducted during the year 2024. Some highlights of the community engagement projects done included:

- The Department of Computer Science worked with Mviyo Technologies to develop a livestock tracking system. The Department also carried out Digital Literacy consultancy at Gwanda High School.
- The Department of Applied Mathematics, working with the Christian Brothers College, PPC Zimbabwe and the Ministry of Primary and Secondary Education, launched the Mathematics Olympiad Programme, to cultivate a passion for mathematics, enhance problem-solving skills, and foster critical thinking among high school pupils. The Department was also mobilizing resources to resuscitate the NUST Schools Enrichment Programme (NUSTSEP), a programme designed to equip secondary pupils with practical skills and knowledge

relevant to science, technology, and mathematics, potentially bridging the gap between secondary education and higher education or the workforce.

- The Department of Environmental Health staff and students visited Delta Corp, Bulawayo, to study pollution types, causes and effects.
- The Department of Environmental Science conducted community education on Climate Change with Catholic Commission for Justice and Peace and one staff member is a member of the Zimbabwe Women Rights Commission.
- The Department of Forest Resources and Wildlife Management led Training of Trainers course on Ecosystem Restoration and Regenerative Agriculture adapted to arid and semi-arid regions in Rushinga district.
- The Department of Geospatial Science participated in the FAO Farm boundary digitization programme.
- Staff from the Faculty of Engineering participated in the 2023-2027 Austria sponsored Soltran.
- Staff from the Faculty of Engineering participated in the Engineers without Borders (Denmark and Netherlands) and Zimbabwe Engineers without Borders (NUST and LSU) project on Lupane Schools Water Supply to the community.
- Academics and technicians from the Faculty of Engineering trained ZETDC Technicians and Engineers on PV Installations
- Staff from the Faculty of Engineering also participated in the Ace Water III project, Wetskills workshop, Lupane Abattoir project and Minerals Marketing Zimbabwe (MMZ) Lithium Project.
- The Faculty of The Built Environment was involved in Mabale Skills Hub Project in Hwange; Gwayi Primary School Renovations, Mberengwa; Amagugu Cultural Heritage Centre, Matopo; Adjudication in the Ministry of Housing and Social Amenities' Rural housing design competition; Africa Infrastructure and Built Environment Conference and Exhibition, and National Museums and Arts Programme.
- The Faculty of Science and Technology Education staff participated in International and national facilitation of seasonal livelihood programmes, Community based participatory planning, ZIMSEC item writing, ZIMSEC marking team leader, Paralympics coach and officiating, A-level seminars facilitations and Career guidance outreach programmes.
- Some staff members of The Faculty of Communication and Information Science's department of Library and Information Science facilitated a webinar for members of the Zimbabwe Library Association (ZimLA) on Writing an Abstract for a Conference Paper

• Some staff members of The Department of Library and Information Science conducted a workshop at Sobukhazi High School. The Workshop was the first step in rebuilding the library that had been destroyed by a fire.

- The Department of Journalism and Media Studies undertook extensive outreach activities and hosted several guest lectures in partnership with FOJO Media Institute, ZACRAS, and VMCZ. Notable initiatives included a Data Journalism Guest Lecture for 80 final-year students on investigating environmental crime, facilitated by Oxpeckers from South Africa in February 2024. Students and staff participated in key events such as the VMCZ National Journalism Summer School Conference, the World Press Freedom Day Symposium at CITEZW and a guest lecture on media sustainability by veteran journalist Bashar Jarrar. Additionally, departmental members attended FOJO workshops on investigative journalism and virtual training on editorial writing to strengthen student mentorship for the online newsletter Intatheli.
- The Faculty of Communication and Information Science also participated in the ZITF Media Indaba, where lecturers and students led panel discussions on developments in Zimbabwe's media landscape, and involvement in the launch of the Zimbabwe Journalism Educators Network (ZIJEN) at Great Zimbabwe University.
- The Department of Journalism and Media Studies also engaged high school learners through the launch of a Media Club at Lobengula Secondary School to promote journalism as a career. International exposure was enhanced through participation in the International Visitor Leadership Program (IVLP) in the United States, while a student, Mitchell Duma secured sponsorship to attend the 25th WaterNet/WARFSA/GWPSA Symposium in Lesotho.

### **Collaborations**

The University continued to strengthen its collaborations with local and international partners. Some of the collaborations established during the year include:

- The Faculty of Applied Science through the Department of Applied Biology and Biochemistry collaborated with the Cape Peninsula University of Technology, Department of Zoology, University of Free State.
- The Department of Applied Mathematics collaborated with the Ministry of Health and Child Welfare, National Control Programme, Zimbabwe.
- The Department of Statistics and Operations Research collaborated with the University of the

Witwatersrand’s Statistics and Actuarial Science; Botswana International University of Science and Technology’s Department of Mathematics and Statistical Sciences and Top Line Research Solutions.

- The Department of Forest Resources and Wildlife Management collaborated with Birdlife Zimbabwe focusing on Belief-based use of vultures and conservation efforts and Rangeland Ecology collaborated with Shangani Holistic focusing on inventory and eradication of poisonous plants.
- Other collaborations were with ZETDC on Photovoltaic Installations; Gate Trust Institute, an Indian Institute.
- MMCZ on lithium ore investigations.
- Engineers Without Borders (EWB) of Norway on developing a feasibility study for sanitation systems at the Midlands Children’s Home Centre.
- Collaboration with King George Memorial School for a partnership to develop assistive devices as part of the Engineering Projects in Community Service (EPICS) in IEEE project.

### Conferences held

- The Faculty of Applied Science hosted a conference, Zimbabwe International Conference for ICT in November 2024.
- The Department of Computer Science hosted the Zimbabwe Conference on Information and Communication Technology (ZCICT).
- The Faculty of Science and Technology Education held its 4th Annual Education for Sustainable Development Interdisciplinary Research (Blended) Conference in October 2024.
- The Faculty of Communication and Information Science held its 11th International Conference on Communication and Information Science (ICCIS) in October 2024.

### Operationalisation of JMN Ekusileni Hospital

The operationalisation of the Phase 1 of the Joshua Mqabuko Nkomo Ekusileni Hospital gained momentum with the purchase of state-of-the-art specialist equipment for Obstetrics, Gynaecology and Paediatrics, as well as theatres and Intensive Care Unit from China. The University received USD\$500,000.00 from the Ministry in December 2024. Delivery of all the equipment was expected in the second quarter of 2025.

### CENTRE FOR CONTINUING EDUCATION Introduction

The overall performance for the Centre for Continuing Education (CCE) was slightly below expectations in terms of enrolment numbers. Despite the Key Result Areas of Online Learning, Outreach and Research and Consultancy remaining handicapped, the Professional Development and IT Courses continued on a steady growth. CCE partners did very well with Econet and Highlife Foundation sponsored courses doing remarkably well with 139 participants under the CCL banner. New partners in Nyaradzo Group also kept the CCE afloat with 34 participants converging at the Nyaradzo Depot in Bulawayo for the MDP Programme. NRZ trained 22 Senior Managers in Emotional Intelligence Short Course at their premises.

### Training programmes

A total of 731 participants were trained in 2024. This was a slight decrease of 139 in comparison to last year’s total of 870. The Professional Development courses recorded an increase in figures with 266 trained compared to 190 in 2023. 84 were trained in IT Courses, a small decrease of 8 from the 92 trained in 2023. The year proved to be the most improved year, particularly for the Professional Development Short courses when compared to the near stagnation of the previous year. Figure 1 below illustrates the CCE 2024 course statistics.

Figure 1: CCE 2024 Course Statistics  
Source: CCE Statistics 2024



### Information Technology Courses

The IT courses, particularly Digital Skills License attracted 56 inhouse participants with the weekend class being the most preferred, as it enrolled 33 participants compared to the Morning Class with 23. Both classes ran twice during the course of the year. The Evening Class was not conducted during the year under review, as students raised security and safety concerns, as they travelled to their homes at night. Our out-reach programme at Infohut attracted 84 students in both Digital Skills License and Computer Systems Support. Figure 2 below illustrates enrollment in IT courses.

Figure 2: CCE IT Courses enrollment

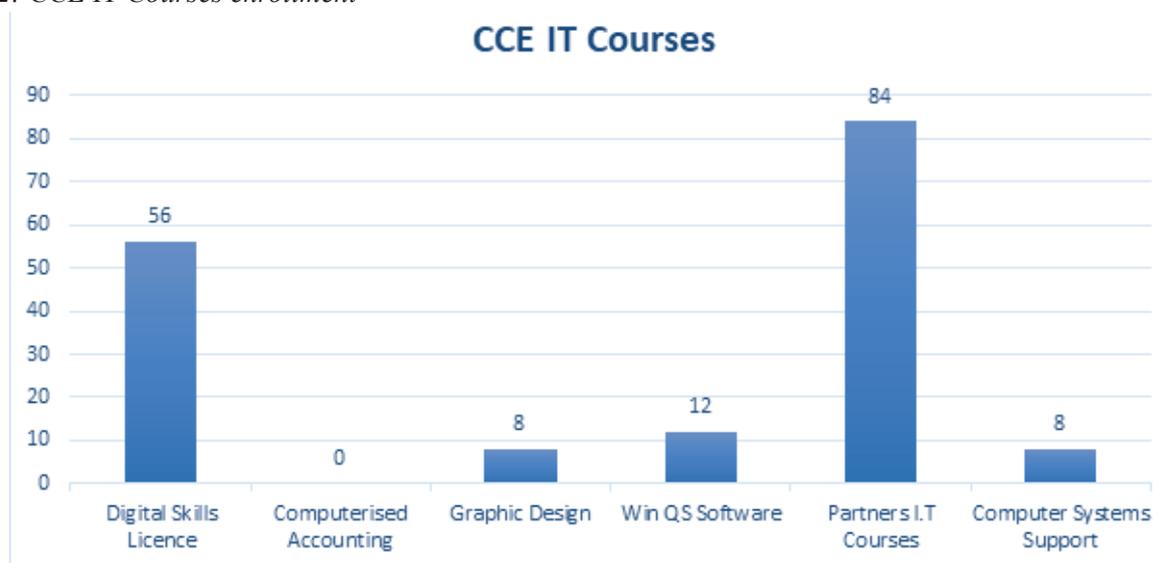


Table 1: Student Enrolment per Course

Course Name	Year 2023	Year 2024	Variance
<b>I.T Courses</b>			
Digital Skills License Morning	17	23	+5
Digital Skills License Evening	19	0	-19
Digital Skills License Weekend	30	33	+5
Computerised Accounting	11	0	-11
Graphic Design	9	8	-1
Win QS Software	0	12	+12
Computer Systems Support	6	8	+2
<b>Total</b>	<b>92</b>	<b>84</b>	<b>-8</b>
<b>Professional Development Courses</b>			
Systemic Counselling	16	16	0
Project Planning and Management/Construction Mgt	16	14	-2
Security Management	49	41	-8
Digital Marketing	0	7	+7
Nurse Aide Intake (Health Care Assistant)	64	11	-53
Leadership and Management (SHEPCO/Nyaradzo)	15	34	+19
ECD (Facilities and Management)	16	31	+15
Economic Journalism	14	0	+14
Basic First Aid (NUST Medical Students)		22	+22
Child Protection		68	+68
Emotional Intelligence (NRZ)		22	+22
<b>Total</b>	<b>190</b>	<b>266</b>	<b>+76</b>

Courses Offered by CCE Partners			
CCL Supervisory Management (Econet)	63	75	+12
CCL Management Development (Highlife Foundation)	24	104	+80
OETC (Aged Care and Support)	30	35	+5
ZAMFI (Micro-Finance and Entrepreneurship)	58	20	-38
INNOTEC (Facilities Management/Public Sector Risk Mgt)	10	0	-10
Infohut Njube (I.T Courses)	44	51	+7
Infohut Shashe and Manama (I.T Courses)	13	13	0
Infohut Vashandiri Gweru (I.T Courses)	14	20	+6
MIT	332	0	-332
Association Of Breast Surgery (ABS)	0	63	+63
<b>Total</b>	<b>588</b>	<b>381</b>	<b>-207</b>

Table 1 above shows a clear description of the enrolment numbers per course. The courses were classified into three categories, which are IT courses, Professional Development Courses and lastly the courses offered by our partners (CCE Partners). A positive variance implies there was an increase in the number of students by that number. A negative variance implies that there was a decrease in the number of students by the number after the negative sign.

### Professional Development Short Courses

Enrollment for the Professional Development Courses showed a slight improvement from the previous year. Total trained stood at 266 compared to 190 in 2023, as shown in Figure 3. The new course, Certificate in Child Protection and Support, was well subscribed with a total of 68 participants. The course used a blended teaching method, both face-to-face and online hence it attracted a number of students both outside Bulawayo and beyond the borders as well.

The Certificate in Security Management courses continued to be a good course for those in the security field, as it experienced 20 intakes since inception. Participants lobbied for a diploma programme, which came to fruition, thanks to the Institute of Research and Quality Management (IRQM). Another new Course, Early Childhood Development, had a significant increase in registrations, with two groups, bringing in a total of 31 participants.

Figure 3: Professional Development Short Courses. Sources: CCE 2024 Statistics.



## Courses offered by CCE Partners

The CCE Partners performed well with a total of 179 participants in the Supervisory Management course run by Econet Zimbabwe and the Management Development Programme by Higher Life Foundation. ZAMFI had a total of 20 participants and should be encouraged to do better in the coming year. The MIT partnership came to an end at the beginning of the year.

## Challenges

Power outages and intermittent internet connectivity affected the department's operations. Another perennial challenge is that of vendors who are now plying their trade directly in front of CCE premises and along the corridors of the building. Their presence scares away potential clients.

## INSTITUTIONAL RESEARCH AND QUALITY MANAGEMENT (IRQM)

### Introduction

This report covers the period January to December 2024. The year saw the Institutional Research and Quality Management (IRQM) unit, entering its 5th year of existence, as it continues to make inroads into the institution's routine and adhoc activities and functions. At the same time, joint missions and undertakings occasioned by, and executed in conjunction with, the Zimbabwe Council for Higher Education (ZIMCHE) took deeper root. Progress was made, although slowly, in pushing for the establishment of the institution's data management systems, enabling the efficiency of delivering targets for the annual strategic goals under the 2021-2025 NUST Strategic Plan.

### Institutional Research and Internal Data Management

Table 2 below shows some of the major achievements in the key result area of responding to the client needs of creating research and disseminating the outcomes.

Table 2: Surveys Conducted

Activity	Area	Output
Survey	Employee Satisfaction (Bursar)	Preliminary Results
Survey	Employee Satisfaction (Librarian)	Report
Survey	Employee Satisfaction (Registry)	Report

### Quality Management, Training and Compliance

The Quality Management Committee was established and it held two meetings in the reporting year. The significant guidelines of the Committee included the development of a quality assurance manual for the University. Physical assessment of learning facilities took place in the Faculty of Business and Economic Sciences.

The unit supervised the preparations for the ZIMCHE Academic and Institutional Audit, which did not take place in 2024 as planned, but was postponed to 2025.

The Times Higher Education (THE) Sub-Saharan Ranking surveys were completed and the information was provided towards the THE impact Rankings. The University of Indonesia Green Metric survey was also completed and submitted.

### Policies and Operational Documents

Apart from the Quality Management Policy refinements, the following key documents were drafted and were to be finalized and adopted in 2025:

- Teaching and learning standard operating procedures
- Guidelines for new academic staff
- Assessment standards and process
- Infrastructure inventories and numerical data
- Storage and disposal of physical assets and equipment

## Accreditation of Programmes

During the year under review, IRQM submitted programmes for accreditation with ZIMCHE and worked on others with Faculties for accreditation in 2025.

### Programmes Accredited

A total of ten (10) programmes were submitted to ZIMCHE for accreditation and four (4) were successfully accredited, while the other two were conditionally accredited on the 6th of November 2024. Four others were still being considered by ZIMCHE. Table 2 below shows programmes that were accredited.

Table 3: Programmes Accredited

Faculty	Department	Programme	Accreditation Status
Agricultural Sciences and Technology	TBA	BEng Honours Degree in Agricultural Engineering	Fully accredited
	TBA	BSc Honours Degree in Agricultural Genetics and Cell Technology	Fully accredited
	TBA	BSc Honours Degree in Sustainable Food Production	Fully accredited
	TBA	BSc Hons Degree in Agricultural Information Technology	Conditionally accredited
	TBA	BSc Honours Degree in Agricultural Economics and Management	Conditionally accredited
Medicine	Psychiatry, Social and Behavioural Sciences	BSc Honours Degree in Health Information Systems	Fully accredited

Five of the accredited programmes are in the new Faculty of Agricultural Sciences and Technology. Amendments are to be made within six (6) months for two conditionally accredited programmes. Full accreditation is expected in 2025.

### Programmes awaiting ZIMCHE feedback

Table 3 below shows more programmes that were submitted to ZIMCHE in the year 2024 and feedback was still awaited by the end of the year. Programmes in the Faculty of the Built Environment were reviewed from three-year to four-year programmes, with re-instatement of one-year industrial attachment.

Table 4: Programmes awaiting ZIMCHE feedback

Faculty	Department	Programme	Status
Applied Sciences	Radiography	BSc Special Honours Degree in Radiography	Programme review
	Computer Science	BSc Hons Artificial Intelligence and Machine Learning	New programme
Communication and Information Sciences	Library and Information Science	BSc Honours Degree in Information Science and Knowledge Management	Programme review
Built Environment	Whole Faculty	Three-year to four-year programmes to re-instate full-year industrial attachment	Programme review

### Programmes yet to be submitted for accreditation

The following programmes were submitted to IRQM and were, by close of 2024, in various stages of preparation for submission to ZIMCHE for either review or for application for accreditation of new programmes, as shown

in Table 4 below. The Faculty of Commerce was stematised and changed to Faculty of Business and Economic Sciences. All programmes in the faculty were reviewed. A new Faculty of Law is in the pipeline with new programmes being designed.

*Table 5: Programmes to be submitted to ZIMCHE*

Faculty	Department	Programme	Status
Business and Economic Sciences	Whole Faculty	Stematisation of all current Faculty programmes and introducing new ones	Review and accredit new programmes
		Law School	New programme
Communication and Information Sciences	Publishing and Media Studies	MSc in Publishing and Media Technology	New programme
	Library and Information Science	MSc in Applied Information Science and Technology	New programme
Environmental Sciences	Forest Resources and Wildlife Management	MSc in Forestry and Wildlife Conservation	New programme
Medicine	Pathology	BSc Hons Degree in Clinical (Medical) Laboratory Science	New programme
	Nursing Science	BSc Hons Degree in Pediatrics Nursing	New programme
		BSc Hons Degree in Psychiatry and Forensic Nursing	New programme
	Community Medicine	MSc in Occupational Medicine	New programme
Built Environment	Property Studies and Urban Development	BSc Hons Degree in Rural and Urban Planning	New programme
		MSc in Housing and Infrastructure Development	New programme

### Conclusion

The Institutional Research and Quality Management unit realised its scope of spreading into all areas of the University, mainly through the 17 standards of the ZIMCHE Academic and Institutional Audit preparations undertaken in 2024. More efforts will be made in future to involve all departments in self-assessment and peer evaluation at internal level.

## RESEARCH AND INTERNATIONALISATION OFFICE REPORT

### Introduction

At the beginning of 2024, the Research and Internationalisation Office (RIO) had a staff establishment of four (4). The office is headed by a Director, who reports directly to the Vice-Chancellor. The other staff members include a Chief Research Officer, a Research Administrator, a Research Uptake Manager, and a Chief Secretary. During the period under review, the Chief Secretary, Mrs. J. Mabvira, transferred to the Faculty of Agricultural Science & Technology, and the Research Administrator, Dr. C. Dube, transferred to the Faculty of Medicine. Mrs. Mabvira was replaced by Mrs. S. Ncube.

### Training

Research skills capacity building workshops were conducted for academics and Post Graduate Students in 2024. The workshops were held online using the Google Meet Virtual Platform and Microsoft Teams Meeting. RIO hosted 10 workshops for academics and 3 for Post Graduate Students. Most of the presenters were from NUST and 1 from Bindura University of Science Education (BUSE). Table 1 shows workshop conducted during the period under review.

Table 6: Workshop conducted by RIO

#	DESCRIPTION OF WORKSHOP	FACILITATOR	DATE
1	Avoiding predatory journals and conferences	RIO	19 January
2	Reviewing journal papers in the social sciences	Prof G. Shava	15 February
3	Research Ethics and Integrity	Dr P. Makoni	21 Feb and 20 May
4	The (mis)use of artificial intelligence in the peer review process	Mr M. Dabengwa	26 March
5	Role of the Principal Investigator	Dr P. Makoni	28 March
6	Choosing a Research Topic	Dr D. Makaza	28 May
7	Data Analysis using SPSS	Dr P. Makoni	12 and 13 June
8	Manuscript Writing	Dr P. Makoni	17 July
9	Research Methodology	Dr P. Makoni	29 September
10	Structured Training for African Researchers (STARS) programme	RIO	April to September

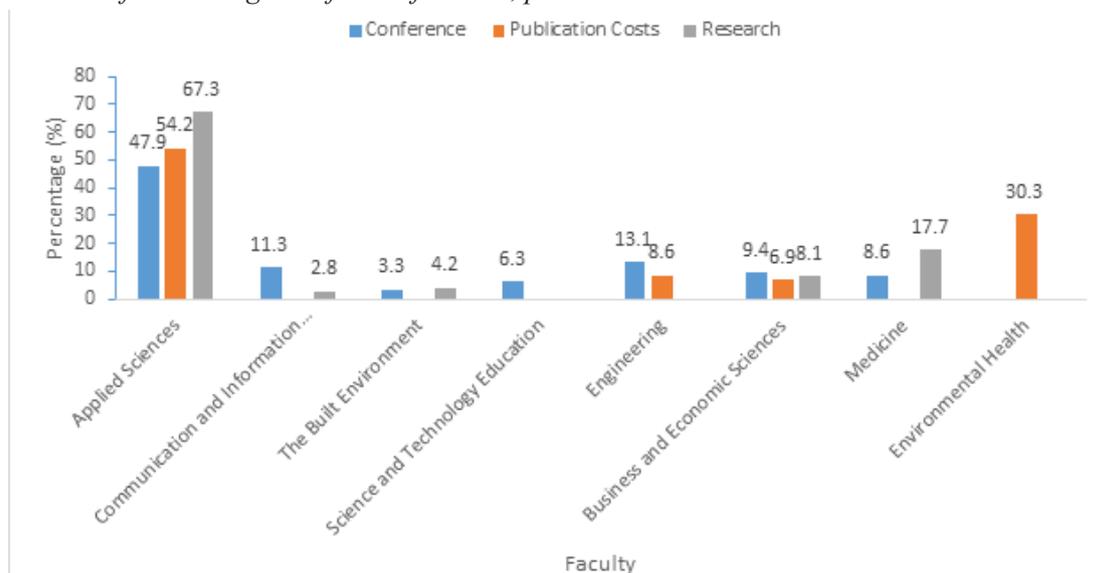
### Research

RIO received more travel grant applications during the year under review compared to the previous year. A total of 13 research grant applications were approved while 10 applications for publication fees were approved.

### Travel Grants

The Research and Development Board approved 31 Travel Grant application compared to 42 in 2023, but more money was disbursed in 2024. The total amount disbursed was USD\$53,092.05 compared to USD\$28,019.71 in 2023. Fourteen of the grantees were females. Twelve of the grantees were from the Applied Sciences, 5 from the Faculty of Communication and Information Science, 4 from Science and Technology Education, 4 from Commerce, 2 from Medicine and 1 from FOBE. The Faculty of Applied Sciences had the highest allocation of funds (47.9%), followed by the Faculty of Engineering at 13.1%, the Faculty of Communication and Information Science was third at 11.3%, Business and Economic Sciences 9.4%, Medicine 8.6%, Science and Technology Education 6.3% and the Built Environment 3.3%.

Figure 4: Allocation of research grants for conferences, publications and research



## Research Grants

The Research and Development Board approved 13 Research Grant applications totaling US\$56,362.27. Four were from female applicants and 9 were from male. The Faculty of Applied Sciences had the highest allocation of funds (67.3%), the Faculty of Medicine got the 2nd highest allocation (17.7%), FOBE got the 3rd highest allocation (4.2%) and Communication and Information Science (2.8%).

## Publication Fees

The Research and Development Board approved 10 applications for Publication fees at a total of US\$5 801 shared across 4 faculties. Four were from female applicants and 6 were from male applicants. The Faculty of Applied Sciences got the highest allocation of funds (54.2%), the Faculty of Environmental Health got the 2nd highest allocation (30.3%) and Engineering got the 3rd highest allocation (8.6%).

## Research Funding

The total funding received from external sources improved from USD\$230,741.39 in 2023 to USD\$1,645,181.93, though the total number of externally funded researches decreased from 12 in 2023 to 7 projects in 2024 (Table 1). The major funders were European Union, European Education and Culture Executive Agency, Internet Society Foundation, World Food Project and Open Society Initiative of Southern Africa.

Table 7: Externally Funded Projects

Faculty	Number of Projects	Total Funding (USD\$)
Applied Sciences	2	1,210,621.02
Business and Economic Sciences	1	45,844.56
Communication and Information Science	1	7,604.00
Engineering	1	299,352.35
Vice Chancellor's Office	1	69,000.00
Registrar	1	12,760.00
<b>Total</b>	<b>7</b>	<b>1,645,181.93</b>

The NUST Institutional Review Board (IRB) is responsible for reviewing and evaluating research conducted by NUST academics as well as research carried out at NUST. In 2024, the IRB reviewed and approved 187 research protocols. The majority of these protocols were for undergraduate studies (42.8%), followed by master's programs (39.6%), academic research (10.3%), PhD studies (4.3%), and a small percentage for diplomas and class projects (2.5%).

## Research Uptake and Outputs

The research work covered several topics including public health and infectious diseases, environmental sustainability and pollution among others.

### Public Health & Infectious Diseases

- HIV/AIDS, TB, and Antimicrobial Resistance (AMR): HIV PrEP uptake, ART support groups, MRSA/ESBL bacteria genomics, pediatric HIV treatments.
- Maternal & Reproductive Health: Postpartum Depression (PPD), cervical cancer screening barriers, midwifery practices.
- COVID-19 & Pandemic Impacts: Effects on SMEs, people with disabilities, education disruptions.

### Environmental Sustainability & Pollution

- Water/Wastewater Treatment: Mycofiltration, bio-coagulants, constructed wetlands, heavy metal removal (Pb, Zn, Cu).
- Mining & Industrial Impacts: Silicosis in miners, tailings dam stability, acid mine drainage.
- Emerging Contaminants: Microplastics in freshwater, pesticide (imidacloprid) effects on snails.

**Technology & Digital Innovation**

- AI/ML for Development: Drought forecasting, cybersecurity, patient safety (prescription error reduction).
- Blockchain & IoT: Mental health patient portals, threat detection in IoT devices.
- Renewable Energy & Waste-to-Value: Torrefaction of biomass, medical waste incineration.

**Socio-Economic Challenges in Zimbabwe**

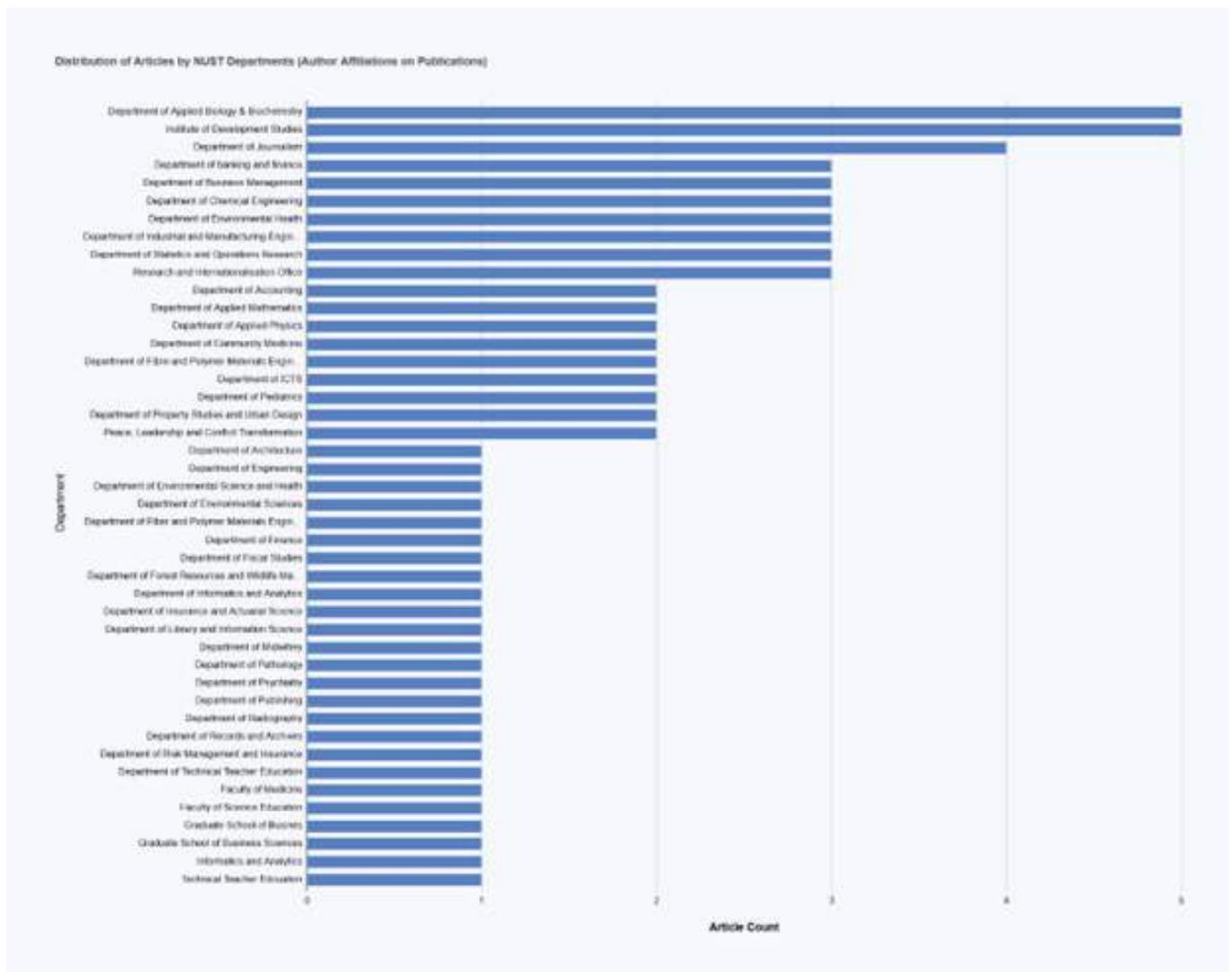
- Economic Resilience: SME survival post-COVID, hyperinflation effects, FDI barriers.
- Gender & Marginalized Groups: Women vendors’ financial inclusion, San minority exclusion.
- Policy & Governance Issues: Disaster legislation gaps, curriculum inconsistencies, transfer pricing exploitation.

**Education & SDG-Driven Research**

- Higher Education’s Role in SDGs: Universities as hubs for sustainability research (e.g., PPPs in state universities).
- Digital Literacy & ICT Adoption: Challenges in integrating tech into education (e.g., libraries, secondary schools).

**Leading Departments**

The Institute of Development Studies and the Department of Applied Biology & Biochemistry are the most active, each with 5 articles. Table 8 below illustrates departments that contribute significantly.



## Community Engagements

The Research and Innovation Office (RIO) coordinated the production of the Zimbabwe Journal of Science and Technology and the Southern Africa Journal of Communication and Information Sciences.

The Southern African Journal of Communication and Information Science published its Vol. 2 No. 1 (2024), which is based on the theme of the International Conference on Communication and Information Science about fake news, disinformation and misinformation.

The Zimbabwe Journal of Science and Technology published the Vol. 18 No. 1 (2023). The production of both journals is on track, with the Research Uptake Manager providing daily support to ensure their smooth operation.

Additionally, RIO continued to offer training to faculties in the process of establishing their own journals. Furthermore, RIO provided technical advice and support to NUST committees organizing conferences, ensuring their successful execution.

## Challenges

- Funds allocated to research activities at NUST were not enough to enable the smooth running of operations of RIO.
- Electricity load shedding and disruptions in internet connectivity had negative effects on the running of online workshops and meetings.

## Conclusion

Looking forward to 2026, RIO will offer more and relevant training to NUST researchers and academics. It will increase the effort in identifying and exploiting alternative sources in 2026.



*His Excellency and Chancellor of NUST, President, Dr E.D. Mnangagwa poses for a photo with the recipients of the E.D. Mnangagwa Chancellor's Award*

# THE HYBRID LIBRARY

## Introduction

In a dynamic educational landscape, our University Library has continued to serve as a vital resource for students, academics and researchers, fostering an environment that promotes academic excellence, research and innovation.

Our commitment to these NUST values is reflected in the access to extensive collections of books, journals, and digital resources that support curriculum development, and in the comprehensive research support services now offered, including researcher profiling, bibliometric analysis, information literacy training, and guidance on reference management tools.

These services empower our user community to navigate the complex information landscape effectively, thereby increasing the visibility and impact of NUST's scholarly output.

We are proud of the strides made and remain committed to continuous improvement, leveraging technology and partnerships to maximise the library's contribution to the university's vision.



*NUST Library Staff at the International Open Access Week.*

## The Library in Numbers

*Below is a table of statistics on resources, service and facilities during the year under review.*

#	Indicator	2021	2022	2023	2024
1.	Level of financial support per student (ZWG)	26410 (US\$94)	9,394.68	10,806.13	2673 (US\$99)
2.	Total Library Holdings (print books)	66596	59 883	61 265	62 884
3.	Total Library holdings per student	5.54	5.98	6.12	6.29
4.	Number of electronic books	103 200	332 344	731 496+	863 000+
5.	Number of electronic databases	64	40	74	38
6.	Number of printed serial titles	10	0	0	0
7.	Number of electronic serial titles	36 500+	230971	328 705+	400 000+
8.	Number of book donations	1880	1790	1 684	4154
9.	Seating Capacity	450	542	421	525
10.	Number of library run WhatsApp groups	27	43	52	57
11.	Number of e-resources training workshops	22	26	25	23
12.	Percentage increase in circulation of print resources	405%	435%	52%	57.2%
13.	Total number of publications in the Institutional Repository	1277	1296	1361	1401

*Table 1: Key Library Statistics on resources, services and facilities in 2024*

## Community Engagement Efforts and Library Highlights

The Library engaged in various activities to improve on its services. These include mental health resources programme, capacity building initiatives, digital transformation and e-resources expansion.

### Mental Health Resources Programme

The Library successfully implemented its Mental Health Resources Programme, supported by a grant from the American Embassy. This included multiple webinars and training sessions, enhancing access to mental health literature and resources. Key activities included training sessions on EBSCO host resources, webinars with international experts (including a neuropsychologist from the USA), and the acquisition of relevant e-resources and equipment. These initiatives aimed to address mental health awareness and support among students and staff.



*Students attend a Mental Health Resource Programme training at the Joshua Mqabuko Nkomo Ekusileni Hospital.*

### Capacity Building Initiatives

Library staff members participated in a wide-range of professional development activities, including international and local workshops on topics such as monitoring and evaluation, persistent identifiers, open-source library management systems (Koha), systematic reviews, data visualisation, customer service, risk management, and the use of artificial intelligence. These efforts enhanced staff expertise and service delivery. Notable events included the ZULC Biennial Conference, which focused on positioning libraries in the 4th Industrial Revolution, and the ZIMLA Annual Conference themed “Positioning the Library and Information Profession in a Knowledge-Driven Economy”.

### Digital Transformation:

The library successfully upgraded its Integrated Library System (Koha) and host server to the latest versions, implemented a robust backup system (including cloud storage), and upgraded the library website. Work also progressed on the Koha-Edurole systems integration. This not only improved performance, stability and security, but improved user experience, increased accessibility and more effective data management.

### E-Resources Expansion

The library expanded its digital resources by subscribing to eBook collections, including, but not limited to, EBSCO Psychology and Behavioural Sciences, which directly support academic programmes in the Faculty of Medicine. Additionally, new Open Educational Resources (OERs) were added, enhancing access to scholarly materials for all students.

### Donor Support

During the year under review, a total of 4,154 print books were donated to the University Library. New Creation was the highest donor of the year, contributing 1,978 books, followed by Book Aid International, which donated 1,705 books. Book Aid International continues to be the most reliable donor, consistently supporting the library’s collection development. Other donors were the Vice-Chancellor, Prof Mqhele E. Dlodlo, Director for Institutional Research and Quality Management, Prof Nduduzo Phuthi, Prof. R.M. Zinyemba, Prof. A. Mutambara, the University of Upssal, Deepali Naik and Millicent Sobantu. Both local and international donors remain the pillars of the library, significantly enhancing and supplementing the acquisition of print and electronic resources at NUST Library.

### Challenges

- Inadequate infrastructure, such as lack of sufficient computers for staff members, led to difficulties in completing work tasks such as cataloging and managing resources.
- The high cost of printed materials, particularly books, resulted in lower acquisitions than targeted for 2024, affecting the quality and comprehensiveness of our library collections.

### The library in pictures



*Dr Shadreck Ndinde, a lecturer in the Department of Library and Information Science, delivers a presentation during the Library Annual Training Week in August 2024*



*Participants pose for a picture at the Official Opening of the International Open Access Week in 2024.*

# Innovation and Business Development

## Overview

There was continued momentum at the University in the adoption and implementation of the Heritage based Education 5.0 in the year 2024. The Innovation and Business Development was mainly driven by coordination of innovations and the innovation pipeline through the Innovation and Technology Transfer office as well as the interface to commercialisation as enabled by the Business Development unit. Projects on innovation, entrepreneurship and generation of third income streams continued under the units namely, Innovation & Technology transfer (ITT), Bulawayo Technology Centre (BTC), Business Development, NUST Farm and NUST Horticulture garden. These units witnessed a number of achievements and milestones as detailed in the sections that follow. The Professor Phinias Mohorosi Makhurane Technovation Centre was commissioned by His Excellency and Chancellor, President Dr Emmerson Dambudzo Mnangagwa and this paved way for a more focussed approach on research and innovation management.



*Prof Phinias M. Makhurane Technovation Centre*

## Innovation & Technology Transfer Division

During the year 2024, a number of innovation disclosures were done. Most of the innovations were in the field of computer science and information systems as shown in Table 1.

Table 1: Notable innovations in the year 2024

Name and Contact	Project Title	Department
Kudzai K Maphosa	Investigating the production of electrode paste from coal tar pitch and carbon black	Chemical Engineering
Priviledge Matewu	Preparation of aerogels from corn cob-derived cellulose nanocrystals for use in paint manufacturing	Chemical Engineering
Bongani Ricky Masuku	Design of a solar powered lever actuation mechanism for automating existing hand powered water pumps.	Industrial & Manufacturing
Tsepo Manganda	Tomato powder	Business & Economic Sciences
Kadeya Benette	Mine Worker Safety Helmet. Bringing IoT to The Mining Industry	Computer Science
Macdonald B Manana Tanyaradwza Mushonga Isheanesu Musengi	Smart Parking Mobile App with Real-Time Availability and Payment	Computer Science
Calton T Nemutenzi	Composite brick Design: Ecobrick	Civil and Water Engineering
Stephen Kumbanga	Maximizing gold recoveries from refractory low grade ores ores by fungi (T.versicolor) through improved bioleaching and passivation of preg robbing matter: Biolixiviant	Chemical Engineering
Sandile Mpinda	IoT-Based Animal Health Monitoring and Tracking System	Informatics
Hillary S Chikwanha	Revolutionizing Lactic Acid Recycling with Innovative Purification Systems	Chemical Engineering

*Kudzai Maphosa: Awarded for the Electrode Paste project*



*Bennet Kadeya: Recognized for the Smart Helmet project*



*Stephen Kumbanga: The proud winner at the POTRAZ Innovation Expo*





The University was once again in the limelight as its innovations won different awards locally and abroad.

Table 2: Innovation Prizes won in 2024

Name	Department	Project title	Event	Category	Prize Money
Kudzai K Maposa	Chemical Engineering	Investigating the production of electrode paste from coal tar pitch and carbon black	2nd Presidential Innovators Fair	Best young/ early career innovator of the year award	US\$2,000
Kadeya Benette	Computer Science	Mine worker safety helmet: Bringing IoT to the mining industry	2nd Presidential Innovators Fair	1st Runner-up: Best Innovation in Mining	US\$1,000
Stephen Kumbanga	Chemical Engineering	Maximising Gold recoveries from refractory low-grade ores by fungi through improved bioleaching and passivation of preg-robbing matter	POTRAZ ICT Innovation Expo 2024	Mining	US\$3,500
Tsepo Manganda/ Mgcini Lunga	Risk & Insurance/ Banking & Investment Management	Developed Tomato Powder	Start-up Challenge: Eight2five hub/ Old Mutual	Emerging Industries category	US\$6,500
Applied Genetic Testing Centre (AGTC)	AGTC Centre	DNA Testing, Bovine Testing	2nd Presidential Innovators Fair	2nd Runner-up: Best Innovative University	US\$20,000
Tanaka M Gudza Tatenda A Murwira	Computer Science	Smart Irrigation Project	Oxford Innovation Fund 2024	1st Prize: Best Student-Led Research	US\$6,000

Hilda Kaitano	Chemical Engineering	Lithium battery cathode	13th Zimbabwe International Research Symposium	1st Prize: Best Female Innovator in Higher & Tertiary sector	USD22,000
---------------	----------------------	-------------------------	--	--	-----------

**Bulawayo Technology Centre (BTC)**

The long awaited operationalisation of the plastic blow moulding section took off the ground. This section of the BTC produces mainly three products, namely 5-litre containers, mugs and bowls. An average of 16,000 units are produced monthly generating revenue of USD\$8,000 per month.



*NUST Staff members working on their stations at the BTC*



*BTC Bowls*



*BTC Jugs*



*BTC 5litre Containers*

*Table 3: BTC production statistics for 2024*

Product	Target	Actual
5litre Containers	60,000	115,839
Bowls & Jugs	6,000	1,176
Honey (500g)	1200	800

**NUST Horticultural Garden**

The NUST horticultural garden produces a variety of vegetables for both the internal and external market. Most of the vegetables are value-added in the NUST canteens and sold to both internal & external customers. This project has proven to be a regular cashflow generator providing the much needed cashflows to other projects within the portfolio. The whole 3.5 hectares was fully utilised in 2024 generating in excess of USD\$27,000.



*NUST workers at the Horticultural Garden*



**NUST Farm**

Capacitation of the NUST farm continued in 2024 with infrastructure development for living quarters, poultry production and mushroom production. Construction of two fowl runs with a capacity of about 6,000 birds was among the the infrastructure development activities. One was successfully completed later in the year while the second capped the year at 75% completion.

The farm faces water shortage challenges and is currently relying on boreholes and sand abstraction.



3,000 capacity fowl run under construction



3,000 capacity fowl run at 87% completion

**Business Development**

Commercilisation of the Tomato Powder project in collaboration with the National Venture Capital Company of Zimbabwe marked a beginning of a break through into post harvest loss management in agriculture. The colourfully branded powder was fully developed and launched as a product with the intention to make it a nationwide industry clearly inscribed. The project will also see the development of contract farmers of specific tomato strains for drying for the export market.

The department also marked its presence in the Consultancy realm, an indication that NUST remains one of the most preferred consultancy provider across all disciplines. The rest of the existing units, Apparels, Detergents and NUST Horticulture garden continued to perform well although Apparels dominated revenue generation.

Figure 1: Contribution to total revenue by units

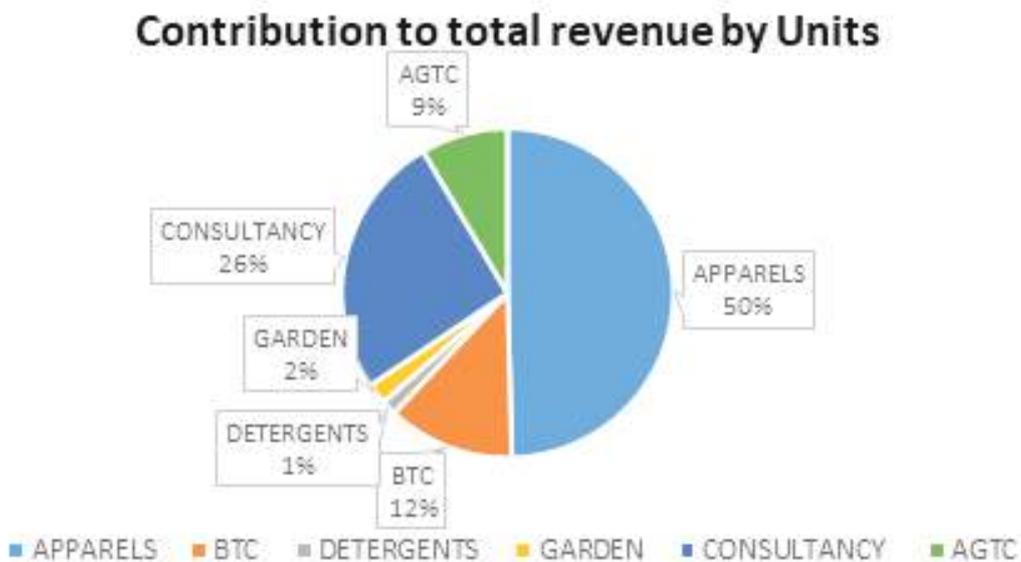
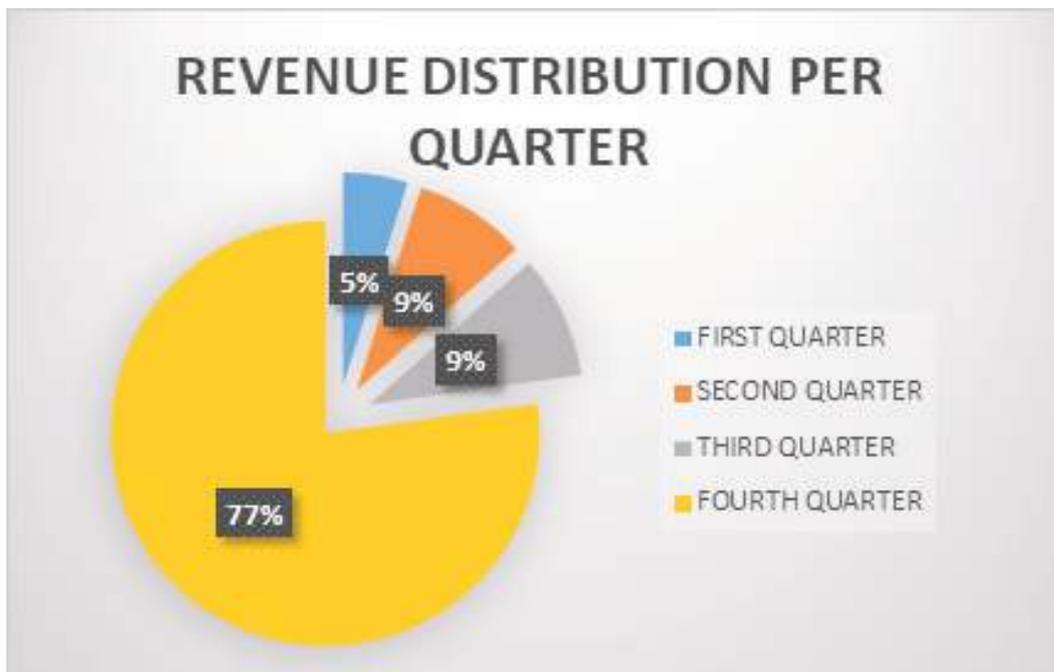


Table 4: Comparative Revenue Generation

REVENUE SOURCE	2023	2024	% Change
Products & Services	231,943.34	339,088.73	46.19
Consultancy	178,000	119,000	(33.15)
<b>Total</b>	<b>409,943.34</b>	<b>458,088.73</b>	<b>11.74</b>

Figure 2: Revenue Distribution per Quarter



**Start-up companies**

The department registered Stay-On-Campus Private Limited, a Special Purpose Vehicle meant to champion the construction of student hostels within the University in collaboration with a leading development bank. JuaCare Private Limited, a start-up company focusing on sunscreen lotions was also successfully registered. PuredAgro-processors Private Limited, which produces Tomatoe Powder, was registered as a start-up company.

**Business Ventures proposed during the year**

The department also handled a number of business proposals for commercialisation. Table 5 shows a list of the projects that were documented for operationalisation in 2025, subject to availability of funding.

Table 5: Proposed projects for 2025

Business Venture	Sector	Funding required (USD\$)
Water purification & bottling	Engineering	245,000
Cannabis	Agriculture/Medical	178,000
Poultry	Agriculture	72,000
Health Imaging	Medical	1,500,000
Health Studio	Medical/Sport	110,000

# STRATEGIC PLANNING AND PERFORMANCE MANAGEMENT UNIT

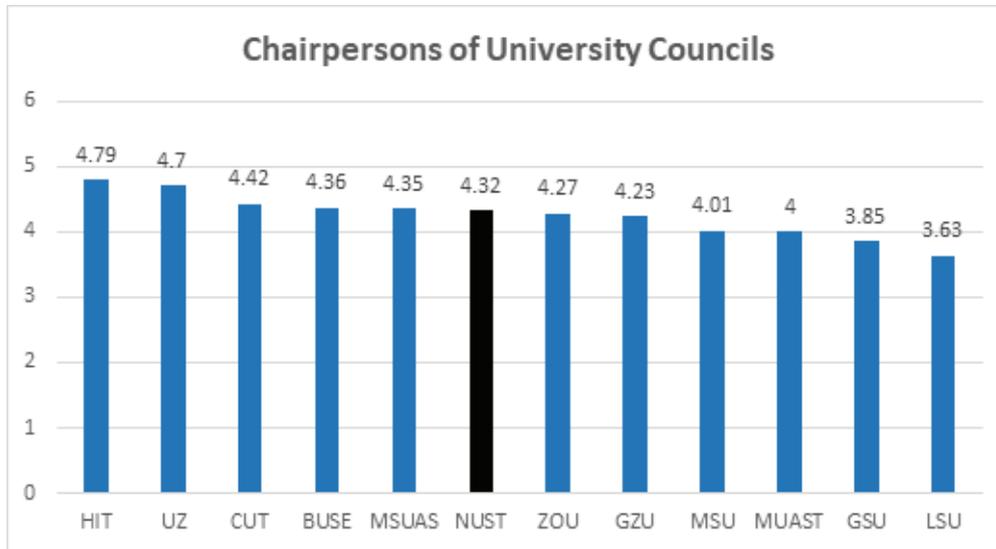
## Introduction

The Strategic Planning and Performance Management Unit, which was set up in August 2023, coordinated the signing of performance contracts and monitored the performance of the University. The unit facilitated the Review of NUST Strategic Plan 2021-2025 and Annual Plan 2024, leading to setting up of targets for 2025.

## Highlights of NUST performance in 2024

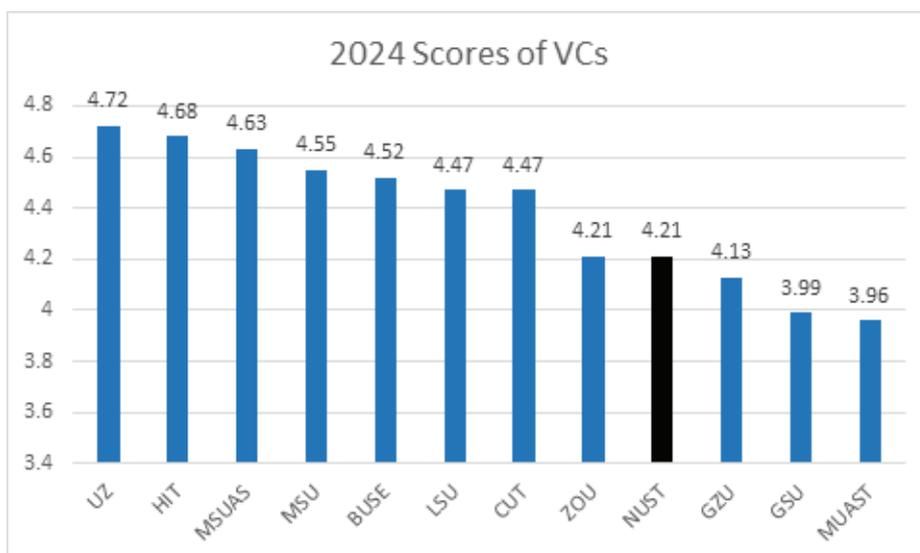
The evaluation of NUST performance revealed that NUST’s performance was generally satisfactory, with a marked improvement in performance throughout 2024. The flagship project, the Professor P.M. Makhurane Technovation Centre was commissioned. A total of 32 strategic partnerships were established against a target of 18, while lack of water at the NUST Mamre Farm was a challenge. There was a need to explore alternative water sources. Table 1 below shows performance of Chairpersons of University Council.

Table 1: Performance of Chairpersons of University Councils



RANKING	
1	HIT
2	UZ
3	CUT
4	BUSE
5	MSUAS
6	NUST
7	ZOU
8	GZU
9	MSU
10	MUAST
11	GSU
12	LSU

Table 2: Performance of VCs



RANKING	
1	UZ
2	HIT
3	MSUAS
4	MSU
5	BUSE
6	LSU
7	CUT
8	ZOU
9	NUST
10	GZU
11	GSU
12	MUAST

### Review of Strategic Plan and Annual Plan for 2024

The Reviewed Strategic Plan and Annual Plan for 2024 were produced and submitted to the Ministry of Higher and Tertiary Education, Innovation, Science and Technology Development, as per the Public Entities Corporate Governance Act of 2018 (PECOG) requirements. The 2024 Annual Plan was monitored through Monthly Performance Review Meetings. M&E reports were submitted quarterly by Heads of Departments under the three programmes: 1). Governance and Administration; 2). Human Capital Development and 3). Innovation and Industrialisation.

### Coordination of Performance Contracts

The unit oversaw the drafting of Performance Contracts, which were signed between the Minister of Higher and Tertiary Education, Innovation, Science and Technology Education (HTEISTD) and the Chairperson of Council; and the Chairperson of Council with the Vice-chancellor. The principal officers in turn signed their performance contracts with the Vice-chancellor.

The Vice-Chancellor's contract was evaluated each quarter through the Best Practices consultant, while the Chairperson of Council was evaluated half-yearly. Principal Officers were evaluated at the end of the year.



*Deputy Minister of Higher and Tertiary Education, Innovation, Science and Technology, Honourable Simelisizwe Sibanda poses for a picture with NUST Council Members, Principal Officers and other senior managers during the 2024 NUST Strategic Plan Review at Hwange Safari Lodge.*

## AWARDS, RECOGNITION AND MAJOR ACHIEVEMENTS

1. NUST received the Best Tertiary Institution Award at the 8th Southern Region Service Excellence Awards organised by the Contact Centre Association of Zimbabwe. NUST won a trophy and a certificate at the national level.
2. Two Computer Science student teams from NUST took 1st and 2nd place in the CBC Innovation Idea Challenge, winning a total of USD\$3,250 in a national tertiary competition.
3. An all-female team of first year students, Tanaka Gudza, Ebenezer Chisare and Tatenda Murwira, won 1st Prize in the Oxford Africa Conference Innovation Seed Fund competition with their smart irrigation system for sustainable agriculture. They received seed funding and certificates.
4. NUST received a Silver Medal and Certificate during the ZITF 2024 competitions in the Education and Training Institutions category.
5. NUST students, Alex Chindundundu, Moline Mutero, Takunda Desouza and Benjamina Niyonsaba-Baranyanga scooped the Best Public Image Engagement certificate at the Rotary District Conference (DISCON) 2024 in the D9210 District.
6. NUST Ladies Chess Team emerged victorious in the highly coveted Zimbabwe Tertiary Institutions Sports Union (ZITISU) competitions. The team was made up of, Rufaro Gwaza, Edith Muyambiri, Samukeliso Dube and Tatenda Mudiwa.
7. Council Chairperson, Prof. Lindiwe Majele Sibanda received the prestigious 3rd MS Swaminathan Global Leadership Award for Sustainable Development in Chennai, India, an international award.
8. Stephen Kumbanga, a final-year Chemical Engineering student, won 3rd place in the POTRAZICT Innovation Expo under the Mining and Emerging Technologies category, earning a trophy in national competitions.
9. Kudzai Maphosa was named Overall Best Young/Early Career Innovator of the Year for an electrode paste innovation, winning USD\$2,000, a trophy and a certificate at the 2nd Presidential Innovators Fair.
10. Benette Kadeya was the 1st Runner-up in the Best Innovation in Mining, receiving USD\$1,000, a certificate and a shield at the 2nd Presidential Innovators Fair.
11. Benette Kadeya also received a trophy, certificate and USD\$1,000 for Best Innovating Higher and Tertiary Education Innovators at the 2nd Presidential Innovators Fair.
12. NUST, through its Applied Genetics Testing Centre, was the 2nd Runner-up in the Grand Prize, His Excellency Dr E.D. Mnangagwa Presidential Innovation of the Year Award and received a certificate, shield and USD\$20,000 at the 2nd Presidential Innovators Fair.
13. NUST was also recognized as the 2nd Best Innovating University with its Applied Genetic Testing Centre project and received a shield, certificate and US\$2,000.
14. Tsepo Manganda won 1st place in the Value Creation Start-up Challenge sponsored by Old Mutual through Eight2Five Hub, securing USD\$6,500 at a national competition.
15. The NUST Enactus Team were crowned champions of the Enactus World Cup in the Early-Stage category, winning a floating trophy in Astana, Kazakhstan.
16. Wellington Gombarume and Kudzaishe Bhuza won the Llama 3.1 Impact Hackathon for Sub-Saharan Africa, focusing on AI solutions for social good. They won US\$12,000.
17. Hilda Kaitano, a PhD candidate, was honoured with both the Robert Gabriel Mugabe Research Award and the Presidential Award for Outstanding Female Researcher, receiving a total of USD\$22,000, a trophy, and a certificate.
18. NUST Enactus Innovation Team won 2nd place in the Delta Beverages & Boost Fellowship's #AboveTheInfluence Smart Drinking and Moderation Innovation Challenge. They received USD\$2,100.
19. Amanda Peresu Moyo (21), studying Industrial and Manufacturing Engineering, was crowned Miss Intercontinental Africa at the 52nd edition of the pageant held in Egypt.
20. Professor Dingani Moyo, a Professor in the Faculty of Medicine, was honoured with the Outstanding Contribution to Occupational Health Research 2024 Award by the Society of Occupational Medicine (SOM).
21. NUST won the Innovation & Technology of the Year Award for the Phinias M. Makhurane Technovation Centre, and Director for PPWE, Eng. Blessed Mketto was named Project Leader of the Year at the 9th Zimbabwe Project Management Achievement Awards.
22. Annie Chirisa, a NUST student, emerged winner, taking 1st position in the Ladies 21km run at the ZB ForYou 1st Half Marathon.



Prof.M.E.Dlodlo receiving the second runner up prize for the Presidential Innovation award of the Year 2024.



Prof Majele Sibanda receiving the 3<sup>rd</sup> MS Swaminathan Global Leadership Award for Sustainable Development, in Chennai, India



Hilda Kaitano receiving an award for winning the Robert Gabriel Mugabe Award for outstanding research & the Presidential Award to a female researcher for outstanding research.



Kudzai Maphosa receiving the award for the Overall Best Young/ Early Career Innovator of the Year for an electrode paste innovation



NUST's Enactus team celebrating for emerging victorious at the Enactus World Cup Championships.



Wellington Gombarume & Kudzaishe Bhuza celebrating for winning the Llama 3.1 impact Hackathon for Sub-Saharan Africa



NUST VC Prof.M.E.Dlodlo with 1st Year Students who won 1stPrize in the Oxford Africa Conference Innovation Seed Fund. Tanaka Gudza, Ebenezer Chisare & Tatenda Murwira invented a Smart Irrigation System for Sustainable Agriculture

# MEDIA COVERAGE OF NUST

DURING the year under review, the Department of Communication and Marketing enhanced the visibility of NUST in the mainstream and social media through sharing press releases, inviting journalists to cover University activities and generating content for the website and institutional social media platforms. Below are snippets of some stories about NUST published in the mainstream media, our website [www.nust.ac.zw](http://www.nust.ac.zw), NUST Facebook @NUST.Zw, Twitter @nustzim and YouTube. The full stories can be accessed from the website section on News & Announcements <https://www.nust.ac.zw/index.php/notices>

20  
AUG 2024

17 promoted to Full Professors and Associate Professors



07  
OCT 2024

NUST ENACTUS wins world Championship Cup



05  
NOV 2024

Center for Continuing education (BEITBRIDGE ADVERT)

**CENTRE FOR CONTINUING EDUCATION**  
SHORT COURSES  
REGISTRATION IS ON!!  
BEITBRIDGE  
CLASSES START ON 25 NOVEMBER 2024

COURSE NAME	DURATION	FEES	VENUE
Digital Skills Licence (Basic Computers)	7 weeks	USD130	Vhembe High School
Graphic Design	2 months	USD160	Vhembe High School

+263 292 887548  
cc@nus.ac.zw

## First group under the transformative Heritage-Based Education 5.0 model graduates at Nust

Chronicle - November 15, 2024 - Q9 Comments



### NUST Career Guidance fair slideshow

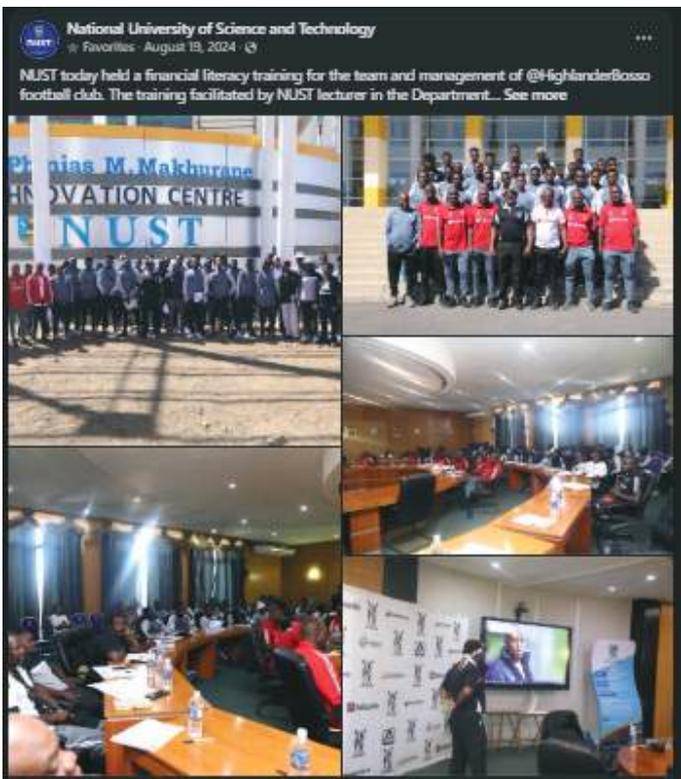
48 views • 1 year ago







# 2024 Annual Report



National University of Science and Technology  
 # Favorites - August 7, 2024

CALL FOR PAPER!!! NUST's Faculty of Communication and Information Science is calling for abstracts on the use of AI within the communication and information science fie... See more

**11th INTERNATIONAL CONFERENCE ON COMMUNICATION AND INFORMATION SCIENCE (ICCS)**

**CALL FOR PAPERS**

**12 - 13 September 2024**

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
 FACULTY OF COMMUNICATION AND INFORMATION SCIENCE  
 VENUE: COUNCIL CHAMBERS  
 (National University of Science and Technology, Bulawayo)

Abstracts should be submitted to: [iccs@must.ac.zw](mailto:iccs@must.ac.zw) with the following information:

- Title of the paper
- Author's name
- Author's affiliation
- Author's contact information
- Abstract text
- Keywords

Abstracts should be submitted in PDF format to the following email address: [iccs@must.ac.zw](mailto:iccs@must.ac.zw)

Abstracts should be submitted by **Friday, 12th September 2024**

For more information, visit the conference website: [www.must.ac.zw/iccs2024](http://www.must.ac.zw/iccs2024)



**National University of Science and Technology**  
 # Favorites · June 29, 2024 · 🌐

Congratulations, Amhlopho, Makorokoto to the winners of the 2024 World Robot Olympiad in Zimbabwe! 🏆 See more

**National University of Science and Technology**  
 # Favorites · June 18, 2024 · 🌐

NUST has launched a set of traditional games as part of the lineup of sporting disciplines to be played for the first time at the ongoing Chancellor of Zimbabwe State U... See more

**National University of Science and Technology**  
 # Favorites · June 8, 2024 · 🌐

NUST recently launched its "Towards a Green Internet Ecosystems Frameworks for Zimbabwe" project in partnership with the Environmental Management Agency (EMA). The proj... See more

The NUST Female Investors Forum hosted Sicelo Dube, @SiceloSTEMLADY over the weekend, at a one-day seminar to inspire forum members to become the next generation of fe... See more

**National University of Science and Technology**  
 # Favorites · April 9, 2024 · 🌐

CONGRATULATIONS to NUST Part 1 students who made it as finalists in the #OxfordAfricaConferenceInnovationSeedFund competitions. The team is made up of Tanaka Gudza (Tea... See more

**National University of Science and Technology**  
 # Favorites · April 9, 2024 · 🌐

NUST was part of the teams offering refreshments to runners at the #PPCCIMor Ultra Marathon held in Bulawayo on Sunday the 7th of April 2024. The #PPCCIMor Ultra Ma... See more

**National University of Science and Technology**  
 # Favorites · March 12, 2024 · 🌐

NUST was part of the institutions of higher learning exhibiting at the second edition of the Zimbabwe Business Expo where the Vice President of the Republic of Zimbabwe... See more



**NUST ZIM** @nustzim · Nov 21, 2024

NUST's Faculty of Medicine today hosted Dr Maria Montoya from the Society of Spanish Researchers in Southern Africa-Africa Centre (Ace) Sur De Africa-Embassy of Spain who delivered a lecture on Global Health Approaches and Viral Immunology.  
 #Thinknothertems  
 #ChooseNUST



**NUST ZIM** @nustzim · Nov 19, 2024

New Partnership Alert!!! @nustzim & @BlueMarbleSvc (BMS) have signed an MoU for mutual collaboration on verifying fuel additives' effectiveness & technology literacy! VC Prof. Mqhele Dlodlo & BMS Dir. Bukhosi Ncube lead the charge towards innovative solutions! #NUSTBMS #ChooseNUST



**NUST ZIM** @nustzim · Nov 16, 2024

Some exceptional students got the standing honour and handshake from his Excellency the President & Chancellor during capping, for graduating with several honours & distinctions or receiving his Excellency's Presidential Award as Best overall or second best Students for 2024.



**NUST ZIM** @nustzim · Nov 16, 2024

After commissioning the #PhiniasMMakhurane Technovation Center, His Excellency and Chancellor Dr E. D. Mhangagwa took time to tour the center and engage students with award winning projects that will be incubated and developed further at the Innovation complex.



**NUST ZIM** @nustzim · Nov 13, 2024

ATTENTION ⚠️⚠️⚠️

NUST 2024 GRADUATION CEREMONY CHANGE OF VENUE ALERT!!! 🚨🚨



**NATIONAL UNIVERSITY OF  
SCIENCE AND TECHNOLOGY**

**NOTICE TO GRADUANDS, INVITED GUESTS, STAKEHOLDERS  
CHANGE OF VENUE**

All graduands, invited guests and stakeholders are hereby notified that due to the current heavy rains forecast to last the entire week, the venue for the National University of Science and Technology (NUST) 2024 Graduation Ceremony has been moved from NUST Sports Field to the **Zimbabwe International Trade Fair (ZITF) Hall 4**.

**Date:** Friday the 15<sup>th</sup> of November 2024.

**Rehearsals:** Thursday, 14 November 2024, 1000 hours, ZITF Hall 4.

**Invitation Cards:** Graduands will collect their invitation cards on the rehearsal day, Thursday the 14<sup>th</sup> of November 2024 at the ZITF. Please bring proof of payment of the Graduation fee.

**Punctuality:** All graduands and guests must be seated by 0830 hours, those who arrive late may not be allowed to attend the ceremony.

**Restricted Items:** Please note that the following items are not allowed into the graduation venue: lipsticks, perfume containers, sharp objects, knives, ballpoint pens and cameras.

We sincerely apologise for any inconvenience caused.

Mr B. Ngwenya,  
REGISTRAR

11/11/2024

**NUST ZIM** @nustzim · Nov 6, 2024

NUST joins the nation in mourning Mr Pathisa Nyathi, a decorated publisher, researcher, historian & culture icon. Nyathi, a prolific writer & biographer, often gave guest lectures & was Guest of Honour at the 2024 Chancellor of Zim Universities Staff Games Culture Night at NUST. MHSRIEP



# 2024 Annual Report

**NUST ZIM @nustzim · Nov 1, 2024**

The Conference hosted during Cyber Security Awareness Month saw lots of digital Prizes including smartphones, ThinkPads & Laptops being won. Minister of ICTPCS Hon. Dr. T. A. Mavtera, urged students to take an active role in shaping Zimbabwe's cybersecurity landscape.



**NUST ZIM @nustzim · Oct 29, 2024**

This year we're "Painting the campus pink!" Join the Breast Cancer Awareness movement to 'Close the Care Gap' to empower those affected by breast cancer on & off campus. Let's break barriers & build bridges to better care!  
 #Pinkinotherterms #BCAM2024 #CloseTheCareGap  
 #ChooseNUST



**NUST ZIM @nustzim · Oct 16, 2024**

Today NUST kickstarted its 4th Education for Sustainable Development Interdisciplinary (ESDI) conference hosted by the Faculty of Science & Technology Education. The conference theme is Exploring innovative approaches and emerging trends in education for sustainable development.



**NUST ZIM @nustzim · Oct 15, 2024**

Congratulations to NUST students, Wellington Gombarume, 4th Yr Electronics Engineering & Kudzaishe Buza, 4th yr Computer Science, for winning the Llama 3.1 impact Hackathon for Sub-Saharan Africa in aid of Artificial intelligence innovation for social impact issues across Africa



**NUST ZIM @nustzim · Dec 13, 2024**

Congratulations to NUST Faculty of Medicine Professor Dingani Moyo, for being awarded the Outstanding Contribution to Occupational Health Research 2024 Award by the Supporting Occupational Health and Wellbeing Professionals (SOM). Amhlophel Makorokoto!  
 #ChooseNUST  
 #StudyatNUST

**Outstanding Contribution to Occupational Health Research 2024**

Winning Professor Dingani Moyo

Occupational health with increased OH research has been transformative. In 2024 alone, he published 17 OH in regional and international peer-reviewed journals, 11 small-scale miners (SSMs), and on OH barriers, OH and health workers' capacity development, OH research papers in the past five years. His work has reached over 4000 citations with an h-index of 12.3.

Each publication, Dingani has collaborated with local, national authors to add significantly to the African OH research. He has carried out extensive OH work in Africa, and authored over 45 OH technical reports, 5 for the African Union Development Agency, 3 Bank, US Agency for International Development, and Southern African Health Community (ESAHS) of Zimbabwe, Lesotho and Malawi.

Others have enriched OH knowledge and, in some national policy changes in southern Africa, especially in government and exemplary in OH activities where leading member of OH groups such as COSA (OH research academic) groups such as ECHO.

Supporting Occupational Health and Wellbeing Professionals (SOM)

**NUST ZIM @nustzim · Sep 27, 2024**

Meet Gilbert R. Taongera, featured as our Alumnus of the week in the weekly #FSF issue.

Are you a trailblazing NUST alumnus, please reach out and share your professional journey to inspire others to #StudyatNUST  
 #ChooseNUST and  
 #Thinkinotherterms

**FORMER STUDENT FRIDAY**

BE YOU #FSF

Series of profiles of achievements national, locally and globally.

NUST ZIM @nustzim

**NUST ZIM @nustzim · Oct 3, 2024**

NUST Alumnus Emmanuel Dube, a graduate in BSc Hon. in Applied Chemistry paid a courtesy visit to VC. Prof. M. E. Dlodlo following his completion of an MSc in Pharmaceutical Chemistry from the National Forensic Sciences University, India under a 2022 Presidential Scholarship Fund.



**NUST ZIM @nustzim · Sep 25, 2024**

Congratulations to team #Siyephambili for winning in Zim's first ever week long #WetskillsChallenge. The event which start last week and ended at the Byo Cityhall yesterday, will see some of the innovative ideas being upscaled to solve Bulawayo's water woes. #Thinkinotherterms



# 2024 Annual Report

**NUST ZIM** @nustzim · Sep 18, 2024  
 1. Congratulations to team NUST for scooping several awards at the #PresidentialInnovationFair at the HICC this afternoon. NUST students and staff delivered ground breaking innovations in the Mining and Applied Genetics fields bringing home a total of 5 prizes. Amhlophe team NUST!



**NUST ZIM** @nustzim · Sep 13, 2024  
 NUST FC remains on top of the @ZIFA Division 2 League log standings with some games in hand. Look out for the NUST boys on the pitch in Pumula North this Saturday where they will be facing Toronto FC at 1500hours #NUSTSports #ChooseNUST #StudyatNUST

ZIFA						
DIVISION TWO LEAGUE TABLE AS AT 09 SEPTEMBER 2024						
CLUB	P	W	D	L	F	A
17	11	5	1	30	8	
17	10	5	2	28	12	
N	17	10	4	3	33	12
17	9	3	3	37	21	
UNDERRERS	17	9	4	4	28	17
ACADEMY	17	9	3	5	28	20
17	8	1	8	26	25	
KS	17	6	6	5	25	18
JZA	17	6	5	6	23	20
RANGERS	17	7	2	8	17	21
PARDS	17	4	9	4	17	17
17	5	5	7	20	34	
ES	17	4	7	6	18	23
17	3	0	14	9	36	
17	1	4	12	8	34	
17	1	1	15	7	46	



**NUST ZIM** @nustzim · Sep 2, 2024  
 1/2 Empowering champions on and off the field! A heartfelt thank you to our donor for supporting our soccer Paralympics team! Your contribution fosters a culture of inclusivity and excellence at our university. #Gratitude #ParalympicSpirit



**NUST ZIM** @nustzim · Dec 13, 2024  
 Congratulations to Amanda Peresu Moyo (21), a model and student at NUST for winning the Miss Intercontinental Africa title at the 52nd edition of the pageant in Egypt. Amanda is studying Industrial and Manufacturing Engineering.

#ChooseNUST  
 #StudyatNUST  
 #Thinkinotherterms



**NUST ZIM** @nustzim · Sep 18, 2024  
 4. NUST's "Applied Genetic Testing Centre (AGTC): A DNA Testing Laboratory" took the 2nd runner up award for Best Innovating University bringing home a shield, certificate & USD2000  
 #ChooseNUST  
 #StudyatNUST.  
 #Thinkinotherterms  
 #PresidentialInnovationfair.



**NUST ZIM** @nustzim · Sep 5, 2024  
 Today is Day 4 of #OrientationWeek and our August 2024 1st year students are slowly getting to know the campus, our services, academic and support staff as well as each other. Do Not Be Left Out!  
 #FreshersWeek  
 #Thinkinotherterms  
 #StudyatNUST  
 #ChooseNUST  
 #TheyChoseNUST



**NUST ZIM** @nustzim · Aug 26, 2024  
 We're out and about at the #ZimAgricShow24. Visit stand #10 Eastend Hall, to register with our Alumni Association or enrol for the August 2024 intake on the spot. Don't miss the opportunity to engage with our innovative students, academics & researchers  
 #ChooseNUST  
 #StudyatNUST



**NUST ZIM** @nustzim · Jun 3, 2024  
 14 Days To Go to the Chancellor of All States Universities Staff Games to be hosted by NUST from 16-23 June  
 #EducationaVehicleToInnovateandIndustrialisetheNation



**NUST ZIM @nustzim · Aug 23, 2024**

Innovative and secure your ideas! NUST hosted an IP awareness seminar, where industry experts highlighting the importance of intellectual property protection in turning creative ideas into community changing realities.

#IPAwareness #CreativityUnleashed  
#ChooseNUST  
#StudyatNUST



**NUST ZIM @nustzim · Aug 15, 2024**

2/2.NUST's ProVC, Prof.Eng.W. Goriwondo welcomed the Gvt delegation &presented NUST products &the students behind them in line with the 44th SADC Summit theme;"Promoting Innovation to Unlock Opportunities for Sustained Economic Growth &Development towards an Industrialised SADC."



**NUST ZIM @nustzim · Aug 2, 2024**

Today in our #FSF we feature Phillip Tinashe Takudzwa Nezandonyi, who's now living his childhood dream, turning his visions into reality using the power of the pencil. Read more about this high-flying Architect,whose academic journey began at NUST. #Choosenust #Thinkinotherterms

## #FORMER STUDENT FRIDAY



**Phillip T. T. Nezandonyi**  
Master of Architecture Studies  
GRADUATED IN 2017

On a journey from Passion to Profession in a world where creativity meets functionality, Phillip Tinashe Takudzwa Nezandonyi stands as a testament to the transformative power of education in our passions. With a pencil in hand and a vision in mind, Phillip's journey began in the lecture theatres of the National University of Science and Technology (NUST), where he turned his childhood dreams and dream into a reality and flourishing career in architecture.

Phillip graduated with a Bachelor of Architectural Studies Hon. Degree in November 2015, in a grand ceremony where he was awarded the NUST Book Prize, in recognition of his dedication and excellence during his academic studies. He continued to expand his horizons, securing a Master of Architecture Studies in November 2017. His choice of study was no accident, it was a culmination of years spent honing his artistic skills, drawing everything from cars to buildings, inspired by the world around him.

"I always had a passion for drawing objects and figures," Phillip recalls. "Architecture felt like the perfect avenue for me to channel that passion into something tangible—designing and creating spaces that people could experience." The programme at NUST not only nurtured his artistic inclinations but also equipped him with the technical skills necessary to thrive in the built environment and construction sector.

Today, as a Registered Professional Architect with the South African Council for the Architectural Profession, Phillip is actively engaged in diverse projects across healthcare, recreational and educational facilities. His work transcends borders, with architectural design and consultancy projects spanning South Africa, Zimbabwe, Australia, and Kenya. Each project reflecting his commitment to creating spaces that are not only functional but also resonate with the community they serve.

In addition to his architectural pursuits, Phillip has continued to build on his academic foundation, earning an Executive Certificate in Project Management from the University of Zimbabwe in 2020. This blend of practical experience and academic knowledge has further sharpened his ability to deliver exceptional results in his field.

Phillip's journey is also guided by the NUST motto, "Think in other terms." This philosophy has inspired him to embrace adaptability and resilience in the face of challenges. "Flexibility and adaptability of the mind are critical to maintaining a 'never give up' attitude," he shares. "After every setback, all it takes is a pause, a re-eval, and the willingness to think differently."

To current and future students at NUST, Phillip offers this advice: "Tertiary education can be tough. You may feel lonely, scared, and overwhelmed, but remember to rest – just not for too long! Invest time and energy into your work, be open to feedback, and collaborate with your peers. Design is a journey best walked with others."

While his time at NUST was primarily focused on his studies, Phillip also embraced the lighter moments, indulging his passion for music as a part-time Jamzoo DJ during late-night design studio sessions. These experiences, both academic and personal, have shaped him into the architect he is today.

Phillip Tinashe Takudzwa Nezandonyi's story is one of passion, perseverance, and the endless possibilities that arise when one chooses to think creatively. His journey from NUST to the architectural world serves as an inspiration for all aspiring architects, reminding them that with dedication and a willingness to adapt, the sky is truly the limit.

#ChooseNUST  
#ThinkInOtherTerms

Twitter: @TinasheNezandonyi  
Facebook: @TinasheNezandonyi  
Website: www.tinashe.co.zw

**NUST ZIM @nustzim · Jul 26, 2024**

Still a hive of activity on day2 of the Namibia SADC Education Expo. Students from over a dozen high schools in Windhoek, Namibia visited our stand to hear about education and career prospects at NUST, Zimbabwe.



**NUST ZIM @nustzim · Jun 22, 2024**

Women's sportsmanship is on full display at the Chancellor of Zimbabwe State Universities Staff Games. Women's teams are competing in soccer, netball, basketball, volleyball, tug-of-war, board and traditional games among many other disciplines. The games come to a close today.



**NUST ZIM @nustzim · Jun 22, 2024**

In Full Swing: the Chancellor of Zimbabwe State Universities Staff Games fundraising Golf Tournament is on-going. Over a dozen teams and companies are competing in this grand event to put a lid on the weeks festivities #thinkinotherterms #choosenust #studatNUST



**NUST ZIM @nustzim · Jun 3, 2024**

2/2 The 3 Students' ground breaking innovation improves on existing irrigation methods by using sensors &algorithms to detect specific water needs for each crop thereby optimising water usage for greater yields. Tanaka Gudza,Ebenezer Chisare,Tatenda Murwira beat 4 other finalists



# 2024 Annual Report

**NUST ZIM** @nustzim · May 28, 2024

NUST Culture Dance Ensemble was also serenading the campus with colourful African songs and dance during lunch hour on Friday 24th and Monday 27th of May #CultureMonth #AfricaDay



**NUST ZIM** @nustzim · Dec 10, 2024

To put the lid on a very successful year, NUST VC, Prof. M.E. Dlodlo honoured sports persons & teams who won various accolades at, national, regional & international levels with medals, trophies & Cash. Most notable is NUST FC who graduated to Division 1. Sithi Amhlophe! Makorokoto!



**NUST ZIM** @nustzim · Apr 27, 2024

OUR LEADERS: The Minister of Higher and Tertiary Education, Science and Technology Development Hon. Amon Murwira and the Chairperson of the NUST Council Prof. Lindiwe Majele Sibanda were at our stand to motivate and engage with students showcasing their projects @ #ZITF2024



**NUST ZIM** @nustzim · Apr 11, 2024

NUST is excited to be participating at this year's @ZITF1. We look forward to showcasing our research, innovations, and our students' skills towards this year's theme which is "Innovation: The Catalyst to Industrialisation & Trade". Visit our stand to learn more about our services.



**NUST ZIM** @nustzim · May 15, 2024

The NUST Female Investors Forum hosted Sicelo Dube, @SiceloSTEMLADY over the weekend, at a one-day seminar to inspire forum members to become the next generation of female leaders who think outside the box. #ThinkinOtherTerms #EmpoweringFemaleLeaders #NUSTInvestorsForum



**NUST ZIM** @nustzim · Apr 27, 2024

Replying to @nustzim  
NUST Council Chairperson Prof. Lindiwe Majele Sibanda & Pro VC for Research & Academic Affairs Prof. Yogi Naik left the students with some words of encouragement as they showcased their innovations to the international community for the first time #Education5.0 #ThinkinOtherTerms



**NUST ZIM** @nustzim · Apr 12, 2024

Today, NUST's Department of Banking and Economic Sciences oriented its esteemed group of advisors to help guide the journey into Heritage 5.0. This forward-thinking approach embodies NUST's #ThinkinOtherTerms motto, ensuring students are well-equipped for the digital era.



**NUST ZIM** @nustzim · Apr 7, 2024

NUST was part of the teams offering refreshments to runners at the #PPC33Miler Ultra Marathon in Bulawayo this morning. #ThinkinOtherTerms #ChooseNUST



# 2024 Annual Report



**NUST ZIM** @nustzim · Mar 25, 2024



Deputy Minister of Higher and Tertiary Education, Innovation and Development, Hon. Simeliszwe Sibanda also visited the NUST Farm to see the progress of projects being undertaken there [#thinkinotherterms](#) [#studyatnust](#)



**NUST ZIM** @nustzim · Dec 4, 2024



The Deputy Minister of Higher and Tertiary Education, Innovation, Science and Technology Development, Hon. Simeliszwe Sibanda, today officially opened the NUST Strategy Review Workshop at Hwange Safari Lodge. [#StudyatNUST](#) [#ChooseNUST](#) [#Thinkinotherterms](#)



**NUST ZIM** @nustzim · Dec 2, 2024



We are spreading joy this holiday season as NUST's Graduate School of Business Sciences (GSB) recently donated toys to Mpilo Children's Hospital. GSB Director, Prof. G. Nani, emphasised the importance of putting smiles on children's faces, especially during the festive season.



**NUST ZIM** @nustzim · Nov 27, 2024



Some of the schools that benefitted from the @icazicaz book donation are Emganwini High Tennyson Hlabangana, Inyanda High, Ihlathi High, Njube High, Mpopoma High, Magwegwe High, Luveve High School, Entumbane High and Sobukhazi High. [#ThinkInOtherTerms](#) [#ChooseNUST](#) [#StudyatNUST](#)



**NUST ZIM** @nustzim · Nov 26, 2024



Today, NUST welcomed students from Sandringham High School in Norton to its campus. As part of their visit, they were provided with an in-depth look at the University's diverse range of academic faculties, programs and facilities.

[#ChooseNUST](#)  
[#StudyatNUST](#)  
[#Thinkinotherterms](#)



**NUST ZIM** @nustzim · Nov 26, 2024



1/3 NUST Enactus Innovation Team has won US\$2100 for coming second in the Delta Beverages and The Boost Fellowship's [#AboveTheInfluence](#) "Smart Drinking and Moderation Innovation Challenge". [#Enactus](#) [#OurstudentsOurPride](#) [#StudyatNUST](#) [#ChooseNUST](#) [#Thinkinotherterms](#)





**NATIONAL UNIVERSITY OF  
SCIENCE AND TECHNOLOGY**

***THINK IN OTHER TERMS***