

VICE CHANCELLOR'S NEW YEAR MESSAGE



Eng. Q.C Kanhukamwe
Vice Chancellor

On behalf of the Institute Board, and the Senior Management, I would like to take this opportunity to wish you all a Happy New Year.

The New Year always brings a sense of renewal, optimism and hope for the new lease of life bestowed upon us, and it is an opportunity for us to once again re-dedicate ourselves towards the continued development of this great University.

I would like to thank all staff and students for their dedication and commitment towards the achievement of our mandate throughout 2016. We were mandated by Government to develop, incubate, transfer and commercialise technology for Zimbabwe's rapid industrialisation, - and it is our responsibility to take that lead role as we contribute to Zimbabwe's overall development.

We begin the New Year on a high note with credible achievements in the core areas of our mandate. We were bestowed with various accolades by internationally accredited bodies and research institutes worldwide, - in recognition of our role in driving innovation and technopreneurship in Zimbabwe. We commend our students and staff who worked tirelessly towards raising our local and global profile.

We should remain cognisant of the fact that if we are to remain at the forefront of research and

innovation; we need to invest our time and energy in profitable initiatives. We need to engage in robust research, and to publish our own journals as we push the frontiers of knowledge in the areas of our enterprise – Science, Technology, Engineering and Technology.

We also need to consolidate our efforts with regards to industry partnerships to ensure that all our research and teaching outcomes are in sync with current trends and practice. Furthermore, the creation of sustainable and mutually beneficial partnerships is important for the continued growth of the University.

Another important area which I would like to mention is the area of resource mobilisation. I cannot over-emphasize the importance of this aspect and as we embark into this New Year, let us renew our focus on resource mobilisation as we court new partners and bid for grants and consultancies in the areas of our expertise.

I am confident that 2017 will be another great year for the Institute, as we build on the accomplishments of the previous year.

I wish you every success in all your endeavours and may God richly bless you.

Eng. Q.C. Kanhukamwe
Vice Chancellor

Contents

Vice Chancellor's New Year Message..	1
Dr Maxwell Chanakira Appointed HIT Pro-Vice Chancellor.....	2
Basic Communication and Counselling Training Workshop.....	3
Empowerd Student Leadership.....	4
HIT Enters into MoU with Gachon University of South Korea.....	5
HIT in the News.....	5
HIT Participates at 2nd International Conference on Pesticidal Plants.....	6
HIT Academics @ 11th Zimbabwe International Research Symposium....	7
Library hosts ZULC Workshop.....	8
Indian Embassy Celebrates ITEC Day On HIT Campus.....	9
Mangeni & Karekwaivenani Remembered.....	10

INNOVATION

LEADERSHIP

INTEGRITY

COMMITMENT

PROFESSIONALISM

DR MAXWELL CHANAKIRA APPOINTED HIT PRO VICE CHANCELLOR

Dr M. Chanakira
Pro-Vice Chancellor

His Excellency the President of the Republic of Zimbabwe and Chancellor of the Harare Institute of Technology, Cde R.G. Mugabe has approved the appointment of Dr Maxwell Chanakira as the Pro Vice Chancellor of the Harare Institute of Technology. The appointment is effective 1 January 2017.

Prior to his appointment, he served as the Acting Director of the Technopreneurship Development Centre at HIT.

Dr. Chanakira is an Electrical Engineer, holding the City and Guilds (London) Full Technological Certificate in Telecommunications,

a B. Tech degree in Electrical Engineering and a Post Graduate Certificate in Digital Telecommunications Technology, (AOTS, Japan). He also earned an MBA from the Management College of Southern Africa, South Africa in 2005 and a Doctor of Technology degree in Organisational Leadership from the Tshwane University of Technology, South Africa, which he attained in 2009.

A proven industry practitioner and academic in the areas of Telecommunications Engineering, Organizational Leadership and Strategy, Dr. Chanakira's career spans over

thirty years. His first appointment was in 1985; with the Zimbabwe Posts and Telecommunications Corporation as a Telecommunications Technician. He rose through the ranks becoming a Chief Telecommunications Technician, Area Manager and was later appointed Manager - Access Network CBD East Harare,- a post equivalent to that of Regional Manager. After leaving the PTC, Dr. Chanakira became the Project Manager for the Telecommunications Network Rehabilitation in Lesotho. In 2005, Dr. Chanakira was appointed a Lecturer in Strategic Management, MIS and Operations Management at the Management College of Southern Africa,- with subsequent appointments at the Regent Business School and Tshwane University of Technology Business School.

In March 2010, Dr. Chanakira joined the Harare Institute of Technology as a Lecturer. He has taught courses in the areas of Technopreneurship, Innovation, Business Leadership and Strategy. He has published and presented over 25 papers in the areas of strategy, innovation, incubation, and commercialisation of technology, including five book chapters. He has also reviewed several international journals in Europe and the United States and is an external examiner of PhD theses for several local institutions.

He has distinguished himself in institutional advancement and has garnered financial support and partnerships for the Institute over the years. In the area of community service, Dr Chanakira has served on local boards in varying capacities. He was a Deputy Board Chairman of the Advisory Council of the Msasa Industrial and Training College (MITC). He also serves as Chairperson of the National Manpower Advisory Council (NAMACO) Technical Committee on Public Private Partnerships.

Dr Chanakira was born on 9 October 1967 and is married to Edinah,- with three sons: Benedict, Victor and Wisdom.

Congratulations, Makorokoto, Amhlope!



Lorraine Chikomo Congrats Doc...

Like · Reply · Message · 1 February at 13:56



Nicholas Rukweza Congrats Dr

Like · Reply · Message · 31 January at 23:44



Kenosi Sefenyang Congrats Doc

Like · Reply · Message · 2 February at 07:26



Rodreck Theophilous Mutimhodyo MAKOROKOTO

Like · Reply · Message · 1 February at 10:43



Webster Rukweza Dhokotera

Like · Reply · Message · 2 February at 11:47



Darlas Mandaza Congratulations Dr Chanakira, proud to have you at HIT

Like · Reply · Message · 3 February at 10:02



Gerald Marisa Congrats Chiremba

Like · Reply · Message · 1 February at 10:12

BASIC COMMUNICATION AND COUNSELLING SKILLS WORKSHOP



**Mrs M. Samupindi
Registrar**

A Basic Communication and Counselling Skills Training Workshop was held by the Registry Department (Human Resources) from 23–27 January on Campus.

The workshop was facilitated by CONNECT (Zimbabwe Institute of Systematic Therapy). Participants were drawn from the academic, administrative and service staff.

Speaking at the official opening of the workshop, the Registrar Mrs M. Samupindi said participants should be able to demonstrate deeper understanding of individual communication skills and counseling techniques to increase positive impacts among other staff members and students. “At the end of this workshop, participants should be able to apply the skills, tools and techniques they have learnt to communicate effectively and to strengthen relationships to achieve positive results.”



EMPOWERED STUDENT LEADERSHIP



Dean Of Students

The Dean of Students Division is at the centre of coordinating all student programmes and activities; with an approach based on empowerment and leadership development. The division facilitates the holistic development of students and the realisation of their full potential, within a conducive learning environment.

The Division designs activities that endow students with skills and knowledge to meet the challenges of campus life and the wider world, and promotes and coordinates programmes and activities that strengthen faculty associations, clubs, and societies on campus in liaison with the School Offices and Student Representative Council. Students are viewed as the

key stakeholder within the Institute Community.

“We don't control students,” says Dean of Students Joshua Chandauka. “We help them to grow. We empower them to grow and we create a conducive learning environment so that they can see themselves and navigate the environment,” he says.

The Division engages in a wide range of activities and programmes; the most recent being the

The Division hosted the Students' Leadership Development Seminar in December 2016 to train students on self-awareness, individual leadership strengths and style to increase positive impacts on and off campus. The workshop was held under the theme “Inspire to Change Lives.”

Students were drawn from the Student Representative Council (SRC), Class Representatives and other students who hold influential positions on campus.

Speaking after the completion of the Students' Leadership Development Seminar, Mr Chandauka said participants should be able to demonstrate deeper self-awareness of individual leadership strengths and style to increase positive impacts among other students. “They will also apply the skills, tools and techniques they have learnt to communicate effectively and to build collaborative relationships to achieve positive results. The students will also use the knowledge and skills to manage their resources, systems and practices to implement effective leadership

Mr Chandauka also echoed the Vice Chancellor's sentiments that apart from promoting the establishment of discipline-based clubs at HIT, the Division should encourage the HIT student body to take centre stage in serving communities they hail from.



HIT ENTERS INTO MOU WITH GACHON UNIVERSITY OF SOUTH KOREA



The Harare Institute of Technology has entered into a Memorandum of Understanding on the exchange of faculty, scholars, students, academic information and materials with Gachon University of South Korea, effective from 12 December 2016.

The Memorandum of Understanding will run for an initial five-year period and will be automatically renewed on an annual basis thereafter, unless terminated or replaced with a new agreement.

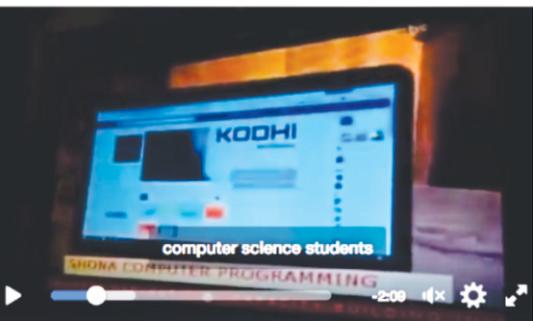
This MoU is focused on enhancing mutual understanding between the two institutions' faculties/Schools, scholars and students through the promotion of exchange of scholars, lecturers, researchers or staff, undergraduate and postgraduate students, academic information and materials, periodic exchange of academic publications, organisation of joint research, joint conferences and other academic exchanges agreed by both universities.

Gachon University is officially acknowledged as the "university with the greatest potential for growth in South Korea. It is an ambitious and exuberant university teeming with relentlessly challenging spirits. It is a magnet for outstanding high school graduates from around the country and it has been producing many outstanding academic papers written by young professors. The University has also been the birthplace of countless patents, both applied and registered in South Korea and overseas, and has won a succession of research projects.

Gachon University is located on the outskirts of Seoul. The University incubates and nurtures challenging leaders who are full of knowledge, thinking skills, adventurous spirits, curiosity, big hearts, and positive energy. It is one of world's prestigious global educational institutes.

The current structure of Gachon University is the result of a merger between four existing universities. Gachon University of Medicine and Science and Gachon-gil College merged in 2007, Kyungwon University and Kyungwon College merged in 2007, and Gachon University of Medicine and Science and Kyungwon University merged in 2012. It has three campuses for undergraduates, the Global Campus located in Seongnam, satellite campuses on Ganghwa Island and in Yeonsu-dong, and the School of Medicine in Guwol-dong, Namdong-gu, Incheon, South Korea. Gachon University signed a strategic partnership with Hawaii Pacific to allow students to study abroad.

HIT IN THE NEWS



Harare Institute of Technology's Computer Science student Tapiwanashe Matangira was featured on the ZBC TV 8pm Sunday Main News Programme in the Science and Technology segment for his Shona Computer Programming Project codenamed KODHI DzaTaps on 22 January 2017.

@263 Chat (blogger)



263Chat with Tapiwanashe Matangira and 14 others. 29 January · €

This is the touching story of Clive Nyapokoto, a rural boy from Svosve Village in Marondera who has managed to defy the odds and walked against all forms of adversities to bring technology home where he is now doing smart organic farming to enhance food production in his communal land. Clive is now a final year Software Engineering student at the Harare Institute of Technology and here is his inspiring story through an interview with our Tech Analyst - Shingie Chelsea Muringi. Story By Joseph Munda

22k Views

 **Chronicle**
<http://www.chronicle.co.zw/president-challenges-scientists/>
 18/02/2017

 **The Herald**
<http://www.herald.co.zw/president-challenges-scientists/>
 18/02/2017

HIT PARTICIPATES AT 2ND INTERNATIONAL CONFERENCE ON PESTICIDAL PLANTS



Professor M Gundidza
Department of Pharmaceutical Technology- Chairperson

The Chairperson in the department of Pharmaceutical Technology, Professor Mazuru Gundidza; together with Lab. Technician Mazuru Pomerai and Pharmacy student, Kudzai Muchandibaya attended the Second International Conference on Pesticidal Plants which was held at the Elephant Hills Resort in Victoria Falls from 6-9 February. Prof. Gundidza was the Chairman of the Official Opening Ceremony held on Monday 6 February in which the Minister of Agriculture, Mechanisation and Irrigation Development, Dr Joseph Made was Guest of Honour. Professor Murray Isman of the University of British Columbia, Canada gave the keynote address on "Bridging the gap: moving botanical insecticides from the laboratory to the farm."

The conference was attended by distinguished scientists and technologists in the fields of natural resource management, pharmacy, as well as experts from research and development institutes. It was held under the theme, "Harnessing pesticidal plant technologies for improved livelihoods, and was comprised of seven symposia under the following themes: Field Pest Management, Postharvest Pest Management, Plant Disease and Weed Control, Livestock and Human

Diseases Vectors, Soil Invertebrate Pests, Biofertilisers and Bio pesticides Technologies, Propagation and Conservation and Commercialisation, Policy and Sustainability.

The delegation from the Pharmaceutical department presented the following papers at the Conference:

Formulation of a herbal cream incorporating *Pterocarpus angolenses*, *Adansonia digitata* and *Bulbinella frutescens* extracts to alleviate impetigo Phabey Chaitzoi, Mazuru Gundidza and Mazuru Pomerai

Physicochemical characterisation and essential fatty acid profiling of a fixed oil extracted from *Bridelia mollis* seed Mazuru Gundidza, Mazuru Pomerai

Preliminary Study on the extraction and anti-microbial activity of *Phytolaca dioica* seed oils Ronald Mutangi, Aljean Muzvidziwa, Munatsirei R. Mudhara, Linda Mukozhiwa, Elson Morgan, Timothy Njekete, Kudzai J. Muchandibaya, Mazuru Pomerai and Mazuru B. Gundidza

Professor Gundidza was part of the National Organising Committee and expressed his satisfaction at the HIT performance at the conference. He also added that the conference had provided a platform for the formation of viable relationships with various key stakeholders.



HIT ACADEMICS @ 11TH ZIMBABWE INTERNATIONAL RESEARCH SYMPOSIUM

Twelve papers were presented by HIT academics at the 11th Zimbabwe International Research Symposium held at the Harare International Conference Centre from 16 to 17 February. The symposium was held under the theme "Research for Unlocking Entrepreneurship: Bridging the Gap."

Women Technopreneurs in Zimbabwe: A Framework to Help Boost Sustainable Engineering Business for Zimbabwean Women
L. Masiyazi, W. Mutenhabundo and B. Nyakutsikwa

Production of Food Grade Aliginate from Local Zimbabwean Algae Species
V. Mukamba and A. Musengi

Process Factors Affecting Biocoal Production from Organic Municipal Waste
Dr. Eng. M.M. Manyuchi

Physico-Chemical Monitoring of Industrial Wastewater Quality: Case of Aspindale Oil Plant -National Foods Limited: Zimbabwe
S.M. Chikwanha, A Phiri, L. Pisa and M.T. Tungwarara

Recovery of Water from Central Effluent Treatment Plant using Powdered Activated Carbon/Ultra Filtration (PAC/UF) hybrid System
A.T. Fungura, S. Kiruthika and Dr S. Prabakar

Production of Nicotinic Acid from Tobacco Waste
F.M. Saziya and A. Chidembese

A Pulse Width Modulation Charge Controller for Promoting the Adoption of Renewable Energy for Zimbabwe's Socio-Economic Challenges
T. Zvavashe, L. Hube, T. Chamunorwa and K. Nyachionjeka

Network based remote monitoring system for solar powered LED street lighting
K. Chiteka, T. Zvavashe and L. Rwodzi

Automatic Transfer Switch for Multi-powered Domestic and Industrial Entities
T. Zvavashe, P. Mushapaidzi, P. Musiiwa and V. Kuno

Adoption of Flexible Manufacturing Systems for Industrial Productiveness in Zimbabwe
W. Mutenhabundo, L. Masiyazi and K. Chiteka

Automated Cattle-tracking System for Ranch
V. Kuno, B. Chikwiri, K. Nyachionjeka and R. Duri

An Investigation of Interventions to Accelerate Alcohol Production during Opaque Beer Production
I. Kanganga and A. Musengi



Dr. Eng. M. M. Manyuchi was bestowed with the Presidential award to a Female Researcher for Outstanding Research

LIBRARY HOSTS ZULC WORKSHOP

A two-day workshop of the Zimbabwe Universities Library Consortia (ZULC) aimed at improving organizational effectiveness and nurturing transformational leadership was held at the Harare Institute of Technology from 28 February to 1 March, under the leadership of the Institute Librarian. Mr J.L. Maenzanise.

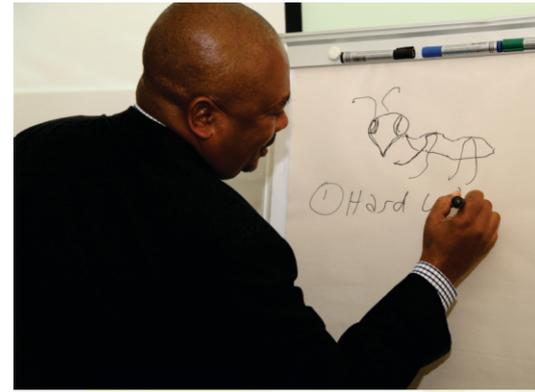
Library staff from local universities and leaders of the Zimbabwe Universities Library Consortia (ZULC) attended the workshop which was facilitated by Caplor Horizons and INASP.

In his welcoming speech, HIT Vice Chancellor Eng. Q.C Kanhukamwe said the workshop will improve ZULC's organizational effectiveness; cultivate and nurture transformational leadership that will be able to carry ZULC well into the future.

The workshop, he said, would also provide the consortia leadership with an opportunity to review and develop robust strategies for a sustainable future.

The International Network for the Availability of Scientific Publications, (INASP) is an international development charity working with a global network of partners in Africa, Latin America and Asia. They work to support individuals and institutions to produce, share and use research and knowledge to transform lives.

Caplor Horizons is a not-for-profit organization, created to help charitable organisations think differently about themselves and the new horizons that they face. It also provides opportunities for those able and willing to contribute their time and expertise for the lasting benefit of society.



INDIAN EMBASSY CELEBRATES ITEC DAY ON HIT CAMPUS

The Indian Ambassador to Zimbabwe, His Excellency Mr Rungsum Masakui has pledged an increased quota for Zimbabweans in the India Technical Economic Cooperation, (ITEC) programme.

Speaking at the ITEC celebrations held at the HIT campus on Friday 24 February, Mr Masakui also commended the Harare Institute of Technology Staff Development Fellows who returned from India; describing them as an excellent example of successful cooperation between India and Zimbabwe.

"I would like to congratulate the Zimbabwean scholars who went to India for further studies and I can say with a lot of pride that this is an excellent contribution to the relationship between the two countries and I would like to congratulate Eng. Kanhukamwe for this contribution," he said.

The ITEC programme is part of the bilateral ties between India and Zimbabwe, covering areas in ICTs, SMEs, education, power and energy among other disciplines. The Minister of Public Service, Labour and Social

Welfare, Honourable Prisca Mupfumira was the Guest of Honour at the event.

In her speech, Cde Prisca Mupfumira hailed the ITEC programme, -describing it as an excellent model of south-south cooperation. She added that the programme extended the linkages of the two countries; from the historical to technical, cultural and economic ties.

"Our government officials have benefitted immensely from this programme, which has expanded our skills base in the public sector. It has also enabled us to tap from Indian experience and know-how where local expertise has been found lacking. The Indo-Zim relationship has been nurtured on a broad base, with the witnessing of increased cooperation in SMEs. India has become a special partner in this cooperation," she said. She expressed appreciation for the tremendous contributions that India is making in Zimbabwe.

In his welcoming remarks, the Vice Chancellor of the Harare Institute of Technology, Eng. Q.C. Kanhukamwe said he was grateful for the positive outcomes of the HIT SDF programme

which in a large part have been funded by the Government of India. "We have 104 staff members who have benefitted from this cooperation and have successfully undergone training in India. Another important outcome of this programme is our increase in IP registration," he said.

Early this year, the Harare Institute of Technology sent another cohort of over 30 SDFs for doctoral programmes.

Several alumni, who were beneficiaries of the ITEC programme, expressed their gratitude for the opportunity which had improved their professional competencies and skills; while also giving them an appreciation of Indian culture.

The ITEC day celebrations were institutionalised in 1964, and the training programmes have contributed to capacity building and human resource development across the world. Zimbabwe joined the programme in 1985. The day provides a platform for alumni to come together, interact, share and learn from each other's experiences during their training programmes in India.



MANGENI AND "KARE" REMEMBERED

A Memorial Service was held on Campus for the late Tichaona Mangeni and Nicholas Karekwaivenani on Friday 17 February at 1000Hours.

The Memorial Service was organised by the Ecumenical Services department under the Student Affairs Division, and was officiated by the HIT Chaplain, Commissioner S. Mungate. HIT staff, students, parents and relatives of the deceased attended the Service.

Mr Tichaona Mangeni was a lecturer in the Chemical and Process Systems Engineering department, while Mr Nicholas Karekwaivenani was a lecturer in the Information Technology department.

Speakers at the memorial service were drawn from the parents, relatives, workmates and students who all described the two gentlemen as kind, loving and dedicated to their work, as well as improving the lives of other people.

In a speech read on his behalf by the

Pro-Vice Chancellor, Dr Maxwell Chanakira, - the HIT Vice Chancellor, Eng. Q.C. Kanhukamwe said this special day had been set aside to celebrate the lives of the two lecturers who served the Institute diligently.

The Vice Chancellor added that he has no doubt that Tichaona and Nicholas lived their lives to the fullest; leaving behind a lasting legacy. "They leave behind a legacy of sheer hard work and the brilliance. Tichaona did exceptionally well as a teaching assistant in his department, earning himself the privilege of being a staff development fellow in India, - while Nicholas distinguished himself as one of HIT's pioneer student in the South Korea student exchange programme; and subsequently becoming a staff development fellow in India. For this, we are more than grateful that we had the opportunity to be served by two such exceptional academics," he said. I wish to express my sincere gratitude to the Mangeni and Karekwaivenani families for raising such champions for us and for investing in their lives," he concluded.

