



MARCH 2012

## ANOTHER MILESTONE AGREEMENT WITH INDIAN VARSITY



*Done deal...Engineer Kanhukamwe exchanges signed MoU with Jawarharlal Nehru Technological University Hyderabad Vice Chancellor in India.*

The Harare Institute of Technology has signed yet another milestone Memorandum of Understanding with the Jawarharlal Nehru Technological University Hyderabad, India.

The MoU was signed during a recent visit to India by a HIT delegation led by the Vice Chancellor, Engineer Kanhukamwe. The delegation also visited the Dehli Technological University.

The main objectives of the visit were to discover what Indian Universities offer in their TVET approach to tertiary education, to learn how they arrived at their present day TVET model, and to arrive at a win-win model of mutual benefit.

The Universities agreed that by August 2012, Harare

Institute of Technology will send approximately 28 Teaching Assistants to study Master of Technology degrees in various disciplines.

Jawaharlal Nehru Technological University, Hyderabad (JNTU Hyderabad) is a university, primarily focused on engineering, located in Hyderabad, India. Founded in 1965 as the Nagarjuna Sagar Engineering College, it was established as a university in 1972

The university is situated in the heart of the city at Kukatpally. It has 'A' grade accreditation by the (National Assessment and Accreditation Council) NAAC. It has an intake of about 1000 students.

## FINANCIAL ENGINEERING STUDENTS VISIT THE ZSE



The Harare Institute of Technology Financial Engineering students recently visited the Zimbabwe Stock Exchange for an orientation on the local bourse.

The students were first briefed by an official from the ZSE on its role,

mandate, ownership, trading, counters, stock and capital flows as well as index calculations, before observing the actual trading which lasted for about an hour with most counters trading on the local bourse.

The students were also given an

opportunity to ask some questions relating to what they observed during trading as well as other issues related to the Zimbabwe Stock Exchange, capital and stock trading.

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INNOVATION

LEADERSHIP

COMMITMENT

INTEGRITY

PROFESSIONALISM

## HIT STUDENTS, SUPPORT STAFF GET COUNSELLING SKILLS



Students and Staff members who participated in the counselling workshop holding their certificates.

More than 15 students and HIT support staff were recently awarded certificates in Basic Counselling Skills in HIV Awareness and Reproductive health related issues after successfully completing a peer educator and counselling training workshop on campus.

The workshop was conducted by CONNECT - Zimbabwe Institute of Systemic Therapy in collaboration with the HIT Student Affairs Division.

In his remarks just before the presentation of the counselling certificates, Dr. Mudede, the Director of CONNECT, paid tribute to HIT for maintaining a good working relationship with his organisation adding that his organisation values this existing partnership. "We do value the relationship and collaboration existing between our organisation and this Institute. We are there for you and this function continues to strengthen our relationship", he said.

"The skills imparted to students and the support staff on HIV/AIDS, Reproductive and Mental Health issues shall enable them to assist their colleagues, workmates on campus and their relatives and friends outside the campus. This is our diamond, please treasure it and it shall save your colleagues, relatives, and others peoples lives, but the change starts with you", said Dr Mudede.

## SIFE TEAM POWERS EPWORTH



The HIT SIFE Team at Epworth Primary School with the community group set to start working on the production of the fuel briquettes in Epworth.

The Harare Institute of Technology Students in Free Enterprise (SIFE) team has embarked on a sustainable community business project set to provide an alternative source of fuel and energy in Epworth.

The team is currently working with the Epworth community to assist them to produce and sell fire blocks known also as fuel briquettes.

The project is also set to alleviate energy problems and deforestation in the surrounding areas. Fuel briquettes can be made from readily available waste materials. In urban areas, this can be sawdust and shredded paper. In villages and rural areas, they can be made from leaves, grass, coffee and rice husks and

other agricultural waste in many combinations. Waste plastic material can not be used because the plastic gives off toxic gases when it burns. Green raw materials like leaves and grass are moistened and partially decomposed under black plastic for several days, then dried and pounded or chopped into small pieces about the size of cornflakes.

The raw materials are soaked, mixed in a slurry and pressed with a fuelbriquette press into a 4 inch (10 cm) diameter cake with a 1" (2.5cm) center hole.

The pressure interlocks the fibers without the need for glue to hold the briquette together. The briquettes are dried in the sun for 3-5 days prior to being burned.

## SAYWHAT DONATES SANITARY WEAR DISPOSAL BINS



SAYWHAT (Student and Youth Working on Reproductive Health Action Team) also took the opportunity to present a donation of 30 sanitary wear disposal bins to HIT Student Affairs. The sanitary wear disposal bins are meant for female students to alleviate the challenges they face in disposing their sanitary wear on campus.

The handover of the 30 sanitary wear disposal bins was informed by a sanitary wear needs assessment carried out at the institution which revealed a high student bin ratio and other challenges such as unavailability of sanitary wear within the campus.

SAYWHAT was supported by UNFPA with 300 sanitary wear disposal bins as part of its on-going Deliver Dignity sanitary wear campaign. SAYWHAT delivered a petition to the Parliament of Zimbabwe ahead of the 2012 budget announcement in November last year calling for the need for provision of subsidised sanitary wear and free distribution in schools, tertiary educational institutions and rural areas.

In his speech at the handover ceremony, Dr Perkins Muredzi, highlighted the need for women to have a dignified period through provision of sanitary towels and disposal bins.

"It is of paramount importance that disposal of sanitary wear be given the dignity it deserves. It is common knowledge that women have needs related to their reproductive health, and these needs should be catered for. This support has come at a right time when the college is also experiencing an increase in enrolment and will address one of our critical challenges," he said

Fuel Briquette projects have been started in many countries in Africa, Southeast Asia, Central & South America.

Presenting the project to a community group of willing participants, Rumbidzai Nyabadza, the President of HIT SIFE, emphasised the need to observe good business principles in running this project, hence the need to train the participants in basic business and entrepreneurial skills.

"We would like to propose this sustainable community business project to you and carry it out with you as we seek to improve your lives in the community. Join us in teaching you how to make fuel briquettes for their your own use as well as to establish sustainable small businesses that produce a product that helps you the producers earn a living wage, provides you with customers with a less expensive cooking fuel and we will together improve the environment by reducing deforestation". said Rumbidzai Nyabadza..

The HIT SIFE team will provide the first production machine to produce the fire blocks which shall serve as a source of fuel for cooking and heating purposes.

## RESEARCH AFRICA TEAM VISITS HIT

The Harare Institute of Technology is now a fully subscribed member of Research Africa through its Library and Information Services Department.

A team of Research Africa consultants recently conducted a training and induction workshop at the Institute to acquaint both academic and non academic staff as well as researchers on how to effectively use their research platform.

Speaking on the sidelines of the workshop, Mr. Maenzanise, the HIT Librarian said the idea to subscribe to Africa Research was for the Institute's academic, non academic staff and researchers to access hands on material so that they can get all the research material that they need, and equip themselves with the knowledge that they require

Research Africa is an internet based organisation that provides its subscribers with research funding opportunities and research news for and about Africa.

Research Africa strengthens the African science and technology policy-making, and research community, and connects them with the world scientific community. It is for African government and institutional policy makers, researchers and research managers

Research Africa is the only publication to comprehensively track research policy across Africa's capital cities and universities, providing detailed coverage

of research-related issues. Compiled by our experienced editorial staff in Cape Town, South Africa, Research Africa is published online with a thorough, weekly digest of research policy news from all over the continent.

It offers comprehensive, global coverage of news about science, technology and innovation policies, and the use of research to provide solutions to Africa's development needs. It is also the definitive source of information about sponsors of African science and development research funding programmes, and brings you details of all their calls for applications for funding.

Research Africa exists to inform senior researchers, research managers, administrators and everyone interested in the science and innovation research strategy of their institution, their country, and the international agencies.

The most frequent sponsors of research in Africa include the National Research Foundation and Medical Research Council in South Africa, the UK Department for International Development, the World Health Organization, the World Bank and various national development organisations, such as USAID, NZAID, and AUSAID. Subject matter varies, but much of the funding is for agricultural programmes and healthcare research, especially work on diseases such as tuberculosis and HIV/Aids.

Africa is a large and rapidly growing

## ZUSA 2012: HILLARY SCOOPS THREE MEDALS



Hillary Mgazi, a Software Engineering student scooped three medals at the recently held 2012 Zimbabwe Universities Sports Associations Games at the University of Zimbabwe Grounds.

Hilary came out second in the Men's Shortput and won a silver medal. He also came third in Javelin earning himself a bronze medal before completing his hattrick by coming third again in the Discus event competition.

The Harare Institute of Technology had a total of 18 participants at this year's ZUSA Games.

The University of Zimbabwe were crowned champions of the Zimbabwe Universities Sports Association (ZUSA)'s annual track and field competitions after collecting nine gold medals, 11 silver and six bronze.

The hosts came out top ahead of defending champions, Midlands State University, who collected 8 gold, 4 silver and 3 bronze medals while Harare Institute of Technology was 9th.

Lupane came out last after failing to win any medal.

## VALUABLE DONATION TO LIBRARY AND INFORMATION SERVICES



Mrs Ndaizevei Paul presenting her book donation to Dean Muredzi

Mrs Ndaizevei Scholastica Esnathy Paul, recently presented a book donation to the Library and Information Services at ceremony held on campus.

The donation by Mrs Paul and her husband comprised 120 computer science books, 12 electronic engineering

books and 22 PC-Pro magazines.

Mrs Paul made the donation from a private collection that she and her husband developed over a private collection over a period of time when she was a lecturer in Electrical and Electronics Engineering as well as Computer Science with Electronics at the

Anglia Polytechnic University in the United Kingdom.

"You probable need to thank one of your students who is my niece, as she is the one who needed some books for herself, and when she came to select what she wanted she advised us that we could actually give some of the remaining books to this Institute, especially those to do with Electrical, Electronics and Computer Engineering", said Mrs Ndaizevei Paul.

Mrs Paul added that she was quite pleased that these books have ended up being somewhere where they could be used by even people.

In his remarks after accepting the book donation on behalf of the Institute, Dr Perkins Muredzi, Dean of the School of Engineering and Technology paid tribute to Mrs Paul and her family for making this book donation to the Institute.

"This book donation is a necessary addition to the HIT library collection whose vision is to be the knowledge and information and focal point that stirs on and stimulates scholarship in innovation. This is a valuable addition to the growing collection our Library and Information Services", said Dr Muredzi.

Dean Muredzi also took this opportunity to outline a Book Drive Project with some friends of the HIT Library locally and abroad who shall gather and collect some useful and relevant books that address the needs of our staff and students. The Institute will assist with the transportation costs of the books once a sizeable collection has been gathered.



Harare  
Institute of  
Technology

*success through innovation*

## DESTINY

To be the stimulant of scholarship  
in innovation.

## CAUSE

To cultivate commitment towards  
technopreneurial leadership.

## CALLING

To commercialise technology through  
professionalism rooted in integrity.

## CORE VALUES

- Innovation
- Leadership
- Integrity
- Commitment
- Professionalism

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