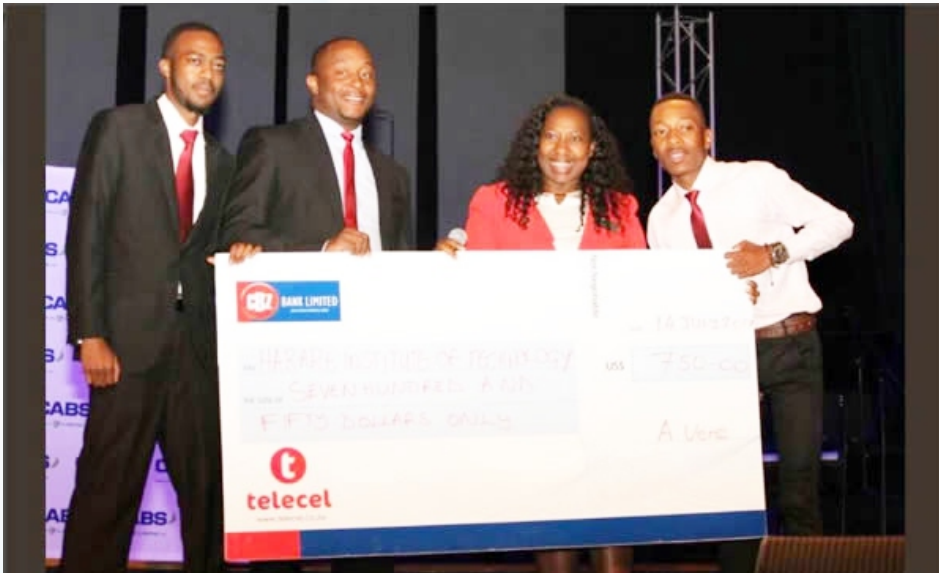


### TEAM HIT SCOOPS DIGITAL KNOWLEDGE AWARD AT ENACTUS NATIONAL COMPETITIONS



The HIT Enactus team with their award at the ENACTUS National Competition in Harare.

The HIT Enactus team won the Digital Knowledge Award worth \$750 at the ENACTUS National Competition held on Friday 14 July at the Celebration Centre, in Harare.

Enactus teams from nine Zimbabwean universities participated at the entrepreneurship event.

The ENACTUS TEAM was awarded the Digital Knowledge award for outstanding use of technological tools in marketing their project, GreeNovative Agriculture; exhibiting the best social media presence, using advanced graphics, video and audio tools in the presentation media and showcasing exceptional presentation skills.

HIT ENACTUS President, Terrence Mawanga and Marketing Director Cleophas Ngwenya were both elated about the recognition, saying it was a confirmation of their belonging to a tech-savvy University, using the popular HIT dictum, “Technocrats for Life!”

“We had a competitive edge over other Universities because we are well-versed in technological issues. So for us, the award was a recognition of all the skills we have, the hard work, and all our efforts,” he said.

Faculty Adviser, Eng. Ngoni Chirinda also

expressed his excitement at the award.

“Their performance was quite encouraging in terms of effort; their team work was great from the preparatory stages to the final. It's quite exciting to be a part of such achievements,” he said. Eng. Chirinda added that the teams' recognition through the Digital Knowledge Award was a demonstration of the skills they have been imparted with at HIT; and evidence of the thorough training they were receiving through their lecturers.

HIT ENACTUS showcased the GreeNovative Agriculture project. The projects are student-led innovative solutions used to create socially based entrepreneurial ventures for targeted communities.

Through 17-minute oral presentations, the team argued their project case before a panel of judges consisting of business and industry stakeholders from several established companies in Zimbabwe.

GreeNovative Agriculture is a two-primed approach consisting of the PET E-HOUSE and PhytoFert fertilizer. The team worked with the Homefield Centre – a respite for people living with mental challenges, - as the project beneficiaries. HIT ENACTUS sought to empower the Homefield Centre students with

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**INNOVATION**

**LEADERSHIP**

**INTEGRITY**

**COMMITMENT**

**PROFESSIONALISM**



## NEW SEMESTER BEGINS



HIT Dean of Students' Affairs addressing students before the start of the first semester for the 2017/18 academic year.



Financial Engineering students in class.

## TEAM HIT SCOOPS DIGITAL KNOWLEDGE AWARD AT ENACTUS NATIONAL COMPETITIONS

.....Continues

practical skills.

Using pet plastic beverage bottles, wires and wooden planks, and bubble wrap gun as a gap sealing agent, the team constructed a PET E-HOUSE, which a miniature version of a greenhouse is commonly referred to as a "cold frame." The PET-E-HOUSE is used for plants requiring regulated climatic conditions. Its interior is exposed to sunlight and becomes significantly warmer than external ambient temperatures; protecting its contents in cold weather. Plants such as tomatoes, and vegetables were later planted.

The PhytoFert fertilizer seeks to alleviate problems caused by water hyacinth in an innovative way. The project is essentially the production of organic fertilizer from the hyacinth plants. It is a fairly simple process, consisting of three steps which are hyacinth harvesting, hyacinth grinding and pulp dilution which is the mixing of the hyacinth pulp with water.

Through the GreeNovative Agriculture project, ENACTUS addressed SDGs 1, 2, 9 and 14. From market research, the Phyto Fert fertilizer was observed to be three times cheaper than commercially available liquid fertilizer and is incredibly rich in nutrients.

ENACTUS crafted the GREENOVATIVE money manual that was used to educate the Homefield Centre instructors on proper budgeting, basic accounting, investment of monetary funds and internal auditing for funds obtained from the PET E-HOUSE and PhytoFert.

President, - Terrence Mawanga extended his gratitude to the whole team for exhibiting commitment, the Homefield Centre Community, and the institution for financial support.

"We would also like to thank the Lord who gave us strength to see this project to its fruition," he said.





## ISA LECTURER WOWS ZIE



Mr R. Shoniwa  
Chairman: Information Security and Assurance

HIT Academic, Mr Robert Shoniwa has been recognized by the Zimbabwe Institution of Engineers for his expertise in the area of Computer Crime and Cyber Security.

The commendation was made following a presentation by Shoniwa on “Protection Mechanisms for Corporates and Individuals,” at the Computer Crime and Cyber Security Workshop held on 8 June at the Cresta Lodge Hotel.

The presentation was centred on the need to effect policies and mechanisms to ward off cyber-security related attacks; while recommending ways in which both individuals and companies can protect themselves online.

Shoniwa highlighted that most companies are interested in system functionalities and efficiency; while ignoring the issue of vulnerabilities which may arise in the absence of cyber security.

He recommended strategies to ward off cybercrimes; which include incident response mechanisms, password security as well as Identity Management.

Commenting in the aftermath of Shoniwa's

presentation, Eng. Jacob Mutisi, Chairman of the Zimbabwe Institution of Engineers, said “Since we are entering a new phase on Computer Crime and Cyber Security, Shoniwa's comments are very timely. We as ZICT believe we can benefit immediately from the methods and ideas he suggested. His enthusiasm was contagious and we hope to use his suggestions in the paper we are presenting to the Ministry of ICT, Postal and Courier Services.”

Shoniwa is part of the group from the Harare Institute of Technology who underwent a staff development programme which was aimed at bolstering the human intellectual capital at HIT, through the training of staff in requisite and rare skills area vital for national development.

He attained a Master of Technology degree in Information Security and Cyber Forensics from SRM University in India, and is currently Chairman of the Information Security and Assurance department at HIT.

## HIT ACADEMIC APPOINTED TO ZIM ENERGY COUNCIL BOARD



Dr. A. Phiri: HIT Acting Director - Environmental Management, Renewable Energy and Climate Change Research Centre.

Acting Director in the Environmental Management, Renewable Energy and Climate Change Research Centre, Dr Anthony Phiri has been appointed to the Zimbabwe Energy Council Board, effective 1 March 2017.

Dr Phiri will chair the subcommittee on Research and Professional Development, and was seconded to the Board by virtue of the Institute's membership.

The Zimbabwe Energy Council (ZEC) is a vehicle for strategic planning, networking and action by senior executives in the private and public sectors, who have a broad interest in all energy issues. The organisation also seeks to forge a better understanding of energy issues in order to optimally shape the energy sector for the benefit of all Zimbabweans.

ZEC strives to play a pivotal role in energy related issues affecting Zimbabwe by bringing senior influential executives together, with the aim to identify and implement effective sustainable solutions, provide factual and relevant data and knowledge, strengthen the energy network in Zimbabwe and enhance awareness of energy issues in Zimbabwe and globally.

The HIT community congratulates Dr Phiri on this achievement.



## HIT ENTERS INTO MOU WITH CBZ

The Harare Institute of Technology has entered into a Memorandum of Understanding with the Commercial Bank of Zimbabwe, (CBZ); effective 27 June 2017.

The MoU is for a period of five years.

The agreement is meant to facilitate effective cooperation between CBZ and HIT in respect of innovation, research and development in areas of common interest.

As part of the University's drive to promote its interface with industry partners; the agreement will enhance the advancement of knowledge through research which is relevant to industry needs and developments. Students from HIT will also be exposed to hands-on commercial experience at CBZ Holdings.

Through the MoU, CBZ will:

- Engage HIT in collaborative research and research showing potential for commercialisation

- Provide relevant public lectures/ speeches by CBZ Holdings Executives on University Events
- Explore business incubation programmes with HIT
- Provide opportunities to roll out commercialised innovations
- Participate in mutually beneficial and relevant HIT programmes
- Cooperate on human capital development and continuous professional development programmes
- Provide grants to promote innovation, amongst others

Through the MoU HIT will:

- Engage CBZ in collaborative research and research showing potential for commercialisation
- Provide relevant public lectures/ speeches platforms to CBZ Holdings Executives on University Events
- Explore business incubation programmes
- Provide opportunities to roll out

commercialised innovations

- Participate in mutually beneficial and relevant CBZ programmes
- Cooperate on human capital development and continuous professional development programmes
- Certify and accredit CBZ in house training curricula
- Provide grants to promote innovation, amongst others
- The agreement will also explore similar areas of interest in pursuance of the two institutions' mandate and will serve to propel both institutions to higher levels, - in areas of human capital development, provision of grants, interface and exchange of experiences through public lectures and sharing experiences from the world of work, among others.



## HIT – TELONE IN INCUBATION PROGRAMME



The Harare Institute of Technology and TelOne have launched the Technopreneur Incubation Programme, to mentor the next generation of technopreneurs and innovators.

The programme commenced on 3 July, and will give students from HIT the opportunity to work with TelOne to create relevant and value adding solutions, applications and products to address some of the pressing business problems confronting TelOne.

For HIT, the programme seeks to:

- Provide platforms for relevant real world industry experience for students.

- Complement the HIT curriculum with exposure to developing relevant and value adding solutions for business.
- Enhance possibilities of recognition for students who participate in the programme.
- Facilitate revenue generation through product solutions that are successfully taken to the market.

While TelOne also seeks to:

- Build-up integrated solution ecosystems which address business needs.
- Generate and widen revenue platforms.
- Enhance corporate social responsibility through mentorship of next generation technopreneurs.

The pioneering group for this programme is made up of 12 students; all of high academic

standing and studying for the Bachelor of Technology Honours degree in Electronic Engineering. The students will be required to design, develop, simulate, construct and test run their circuit designs before they present their findings and results to a technical panel for adjudication; made up of HIT and TelOne representatives.

Participants will also receive induction from various TelOne employees aimed at improving their ability to craft practical, feasible and marketable mobile enterprise applications.

Through the joint effort, mobile solutions and products that make it to the market, will be copyrighted and revenue generated will be shared between HIT and TelOne at an agreed percentage.

## HIT WINS 2017 PUBLIC SECTOR FINANCE MANAGEMENT AWARD OF EXCELLENCE IN INNOVATIVE RESOURCE MANAGEMENT AWARD

The Harare Institute of Technology emerged the second runner up in the 2017 Public Sector Finance Management Award of Excellence in Innovative Resource Management at an event held at a local hotel in Harare.

The award was upon recommendation by the Ministry of Higher and Tertiary Education, Science and Technology Development.

The award was in recognition of the University's

prudent financial management systems.

The 2017 Public Sector Financial Management Awards were designed to recognise and celebrate public sector entities that distinguished themselves and achieved financial prudence. The conference was organised by the Office of the President and Cabinet (OPC) in conjunction with the Ministry of Finance and Economic Development.



## GET PROGRAMME HAILED FOR PROMOTING ENTREPRENEURSHIP



Delegates, facilitators, participants and volunteers at the GET Southern Africa 2017 training programme at Zimbabwe School of Mines in Bulawayo.

The Harare Institute of Technology's School of Business and Management Sciences, in collaboration with the Handong Global University of South Korea successfully hosted the second edition of the Southern Africa Global Entrepreneurship Programme at the Zimbabwe School of Mines in Bulawayo.

The event was held from 10 to 18 July 2017 under the theme: "Opportunistic Entrepreneurship for Sustainable Industrialisation".

The training targeted entrepreneurs, the small to medium enterprises sector, and entrepreneurship enthusiasts. Participants were trained in self-confidence, creating business proposals, and synthesizing, collecting and appreciating data.

In an interview after the graduation of over

50 participants who underwent various entrepreneurship programmes, President of Handong Global University, Professor Soon Heung Chang said the objectives of the entrepreneurship training are to create jobs and make the world a better place.

"In the future, everyone must become an entrepreneur. Zimbabwe has vast potential to produce more entrepreneurs because Zimbabweans like to cultivate their potential capabilities.

"Zimbabwe has abundant underground resources and its people have abundant potential and infinite possibilities of development. It also facilitates opportunities for people to understand more about entrepreneurship and come up with problem-solving skills," he said.

The GET programme focuses on poverty alleviation, inculcating the entrepreneurship mindset among participants and provides opportunities for creation of regional ventures and building capacity for sustainable development.

HIT Vice Chancellor, Engineer Quinton Kanhukamwe said plans are underway to ensure that the GET programme was spread throughout the country.

"Our objective as a university is to act locally and impact globally; hence it is vital for us to partner with the Handong Global University. Programmes like these will tap into Zimbabwe's huge entrepreneurship potential as we have many young people who need moulding, and assistance in leveraging partnerships and forging entities.

"We have plans of making the GET programme a national initiative by hosting it around the country and mounting similar programmes in all provinces. Within the country we are in a position to mobilize resources to assist entrepreneurs to move from startups to companies. We have since trained an excess of 200 entrepreneurs," he said.

A group of enterprising young entrepreneurs, Agricultural Network (AgriNet) emerged winners of the entrepreneurship competition which was part of the training programme. The project is an online application system which enables farmers to market their produce to local and international buyers using electronic gadgets.

Subsequent to the hosting of the GET programme, the Senior Executives Entrepreneurship Training (SEET) and the Junior Entrepreneurship Training were simultaneously held at the same venue. SEET targeted senior executives in the public and private sectors, non-governmental institutions and training institutions, while the JET targeted high school students.

The first GET programme was held at the HIT campus in Harare in January 2016, with over 150 participants.

Handong Global University has been conducting GET training sessions since 2008.

The GET programme has so far produced over 2 600 graduates and nearly 630 volunteer students.



# HIT HOSTS TECHNOVATION EXPO THIRD TIME IN A ROW



The Harare Institute of Technology hosted the third Edition of the Technovation Expo on Friday 28 July at the Institute campus in Belvedere.

The event was held under the theme: "Designing the Future."

Over 2000 high school students from across Zimbabwe and exhibitors from industry and commerce attended the Expo.

The event was held to showcase HIT's research and development outputs; including intellectual property such as patents, industrial designs and utility models from HIT; with a view to attract partners from industry and commerce with projects which have the potential for commercialisation and incubation.

The event was also held to promote an understanding of Science, Engineering and Technology as vehicles for national development and wealth creation.

Key highlights of the Expo included the exhibits, prototypes and departments from the Institute's departments and Centres of

Excellence.

Various stakeholders who attended the event include the Curriculum Development and Technical Services Unit under the Ministry of Primary and Secondary Education, the Research Council of Zimbabwe and a delegation of forty made up of representatives

of the Science Granting Council Initiative made up of multi-lateral and bi-lateral organisations such as NEPAD, UNECA, SANBIO, the Romanian Ambassador to Zimbabwe, His Excellency Mr. Silviu Barbu, the Air Force of Zimbabwe, CEO of the Zimbabwe Engineering Council, Dr Diarra, HIT Board Members and the corporate world.





## HIT LURES ICTS MINISTRY



Eng. S. Kundishora  
Permanent Secretary: Ministry of  
Information Communication, Postal &  
Courier Services

The Ministry of Information Communication Technology, Postal and Courier Services has endorsed the HIT brand and has requested for engagement with the Harare Institute of Technology in the promotion of ICT research projects.

In a statement, Permanent Secretary in the Ministry, Eng. Sam Kundishora, said the request is in view of promoting ICT research projects which hold the potential for socio-economic development; within the context of the national economic blueprint, ZIMASSET, and the 10-Point Plan for Economic Growth.

The Ministry has pledged to fund such projects for further development,- for the benefit of developers, researchers and the economy at large.

Speaking on this new development, HIT Vice Chancellor, Eng. Q.C. Kanhukamwe said the proposal is in sync with the HIT mandate which is to develop, incubate, transfer and commercialise technology for Zimbabwe's rapid industrialisation.

"Our students have distinguished themselves in terms of their conceptual strength and their ability to create products which are relevant and meaningful to society. Through our rigorous training which is proficiency-scheduled and competence-based; our students have produced prototypes which exceed our expectations. This request from the Ministry, is yet again another affirmation of our brand and the work that we do in producing graduates who will lead Zimbabwe's technological revolution," he said.

Last year, HIT students stole the limelight at the E-Tech Africa Expo, convened by the Ministry of ICTS. HIT students showcased innovative projects which spoke of ingenuity.

Speaking at the Expo, Minister of Information Communication Technology, Postal and

Courier Services, Honourable Supa Mandiwanzira said HIT continues to inspire the Zimbabwean technology industry through its mentoring of young technopreneurs; adding that the Institute has fast become Zimbabwe's technology hub producing the best technology engineers across various disciplines.

"We appreciate the good work and devotion shown by the Institute in producing students who are developing business solutions that suit the local markets. We want to go into universities like HIT, where young students are demonstrating products which can go onto the market today, and support them to develop more of these technologies and applications that will help our economy and ICT's industry to grow", he said.

The gesture by the ICTS Ministry yet again affirms the critical role of the HIT in the modernisation and industrialisation drive.

In 2015, HIT, the United Nations Development Programme, (UNDP) and Sandown Corporation Limited jointly launched their first Business incubation Programme. The programme was housed at HIT and through a three months incubation process, sought to support the ten young techies to transform their technical prototypes into commercially and socially viable ventures.

## STEM BUSINESS LUNCHEON



STEM Business luncheon held in Kariba on the 11th of July 2017 in pictures.





## CHIKURUNHE RECOGNISED BY SAZ



Eng. I. Chikurunhe with his Best Standards Council Member Award Certificates.

Lecturer in the Polymer Technology and Engineering department, Eng. I. Chikurunhe has been recognized by the Standards Association of Zimbabwe through the Best Standards Council

Member Award.

The award is in recognition of his contribution to the development of standards in the Materials, Textiles and

Packaging Standards Council, of which he is a member.

**CONGRATULATIONS!**

## MUTONGORENI LANDS REGISTRAR'S POST AT UZ



Dr. N. Mutongoreni

Deputy Registrar for Human Resources and Administration, Dr Noah Mutongoreni left the employ of the Harare Institute of Technology on 30 June to take up the post of Registrar at the University of Zimbabwe.

Dr Mutongoreni was appointed Deputy Registrar – Human Resources and Administration at HIT in April 2014.

His professional career began in 2001, when he joined the Public Service Commission as an Administrative Officer, with a subsequent appointment as Deputy Manager in charge of Human Resources.

He later on joined Africa University in

2008, where he was appointed Assistant Registrar – Personnel and Administration. Consequently, he was later assigned as Acting Registrar at the same University.

Dr Mutongoreni holds a PhD in Public Administration from Fort Hare University, South Africa, (2015), Master of Public Sector Management from Africa University, (2008), and a BSc Honours in Politics and Administration from the University of Zimbabwe, (1999). He also holds a diploma in Conciliation and Arbitration from the University of Zimbabwe, (2004).

*The HIT Community wishes him success in his appointment.*



## HIT SCOOPS MEDALS AT CHANCELLOR'S GAMES



HIT Registrar Mrs. M. Samupindi (centre) with the HIT Sports Team at the Chancellor's Games in Bindura .

The Harare Institute of Technology scooped several medals at the sixth edition of the Chancellor's Games held at the Bindura University of Science Education, (BUSE) in July.

The Games were held under the theme: "Promoting Human Capital Through Sport". The team won four medals in Chess, Table Tennis, Lawn Tennis and Athletics.

The chess team comprised of Simbarashe Mutunami, Edgar Mutevani, Wellington Gwavava and Asky Fungura, brought home the gold medal.

The table tennis duo of Eubert Mahofa and Darlington Katsande won a silver medal, with

Eubert Mahofa and Tatenda Gotora clinching silver in Lawn Tennis.

Gaylord Mariki won bronze in the men's 200 metre race.

To cap the athletes' success at the event, the HIT team was awarded a prize for the team exhibiting the best behavior and discipline during the tournament.

In accepting the award, Chairman of the HIT Sports Association, Mr Oliver Muradzi said the award simply meant that HIT was the most disciplined University amongst all Universities in Zimbabwe.

"We have achieved discipline in our team by

ensuring that we openly communicate, and we remind each other of the aims of engaging in sport – which are to promote unity and sportsmanship. We discourage the display of negative attitudes and emotions," he said.

Speaking in the aftermath of the event, Chancellor's Games Coordinator for the HIT Chapter, Ms Siphila Maposa expressed her appreciation to the HIT management for their unwavering support during the Games.

"Special mention goes to the Registrar, Ms Mary Samupindi, the Dean of Students, Mr Joshua Chandauka and the Projects Officer, Mr Vhurudzayi who attended the Official Opening Ceremony.

She also commended the University's efforts towards the expansion of sporting facilities at the campus.

Over 600 athletes and officials converged at the Bindura University of Science Education for the games; with nine state universities participating. The athletes competed in various sporting disciplines such as soccer, volleyball, basketball, tennis, athletics, pool, darts and table tennis.

Chairperson of the games, Mr Ready Forward Dube said the games are aimed at promoting unity among state universities, and to celebrate the great achievements made in the education sector.

## GTEL DONATES SPORTS KIT TO HIT FOOTBALL TEAM



HIT Students Football Team posing for a photo after receiving the kit donation from GTEL.