



*Celebrating Innovation: championing Technopreneurship*  
 May 2015

## BOARD, MANAGEMENT REVIEW HIT STRATEGY



The Harare Institute of Technology Board and Senior Management Team review the HIT Strategy.

The Harare Institute of Technology Senior Management team convened a meeting to apprise the Board of progress in the Implementation of the Strategic Plan Vision 2020.

The meeting was held on campus and was attended by the Institute Board and the Senior Management team.

As part of the evaluation process, all heads of department presented their tactical plans – tools for achieving the strategy for evaluation by the Board.

The Institute Board Chairman, Dr Gibson Mandishona said the role of the Board at this review process was to “test and probe and Institute’s strategy and to use collective professional experiences and skills in refining the strategy.”

HIT Vice Chancellor, Engineer Quinton Kanhukamwe acknowledged

the key commitments made by the Institute at the launch of Vision 2015 – Designing the Future such as building HIT from its foundations, the generation of research and development outputs that are commercialisable and responsive to industry and national needs and a commitment to the refinement of HIT’s distinctive strength. These commitments will enable HIT to become a truly innovation and technopreneurial university of technology with global connections, reach and impact.

The Vice Chancellor added that it now remained important for the Institute to adjust to the current macro- environment and fine tune processes so that they would be in tandem with these changes.

The Vice Chancellor added that it remained important for HIT to be at the cutting edge of innovation and development, as well as to

complement government efforts in the development of the higher education sector.

The Vice Chancellor and members of the HIT Senior Management Team made presentations and extensive deliberations followed. HIT Registrar, Mrs Mary Samupindi provided a context for the deliberations and gave a historical overview of the HIT strategic processes since its inception and the strategic direction for HIT.



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## TECHNOVATION DAY SET FOR 19 JUNE

The Harare Institute of Technology will host the Technovation Day on Friday 19 June at the Institute campus. The Technovation Day will see the Institute opening its doors to high school pupils as well as various stakeholders in the science, engineering and technology sector.

The objectives of the Technovation Day are to showcase research and development outputs,

products and services to a wide ranging audience including University academics, high school pupils and practitioners in the field. The event will also create an opportunity for networking and building partnerships with companies/organizations within the same sector, as well as identifying research problems.

High school students pursuing science

subjects will also be exposed to various innovations and developments within the science and technology sector with a view to motivating them to become innovators and wealth creators. The Technovation Day will also give students the opportunity to interact with HIT and get information on degree choices.

## GONGERA SCOOPS FIRST PRIZE IN HIT PRE- NESAC FINALS



Tinashé Gongera (middle), a final year Electronics Engineering student receiving his first prize certificate at the HIT 2015 Pre-National Engineering Students Awards Competitions (NESAC).



A panel of engineers adjudicating the HIT 2015 Pre-National Engineering Students Awards Competitions (NESAC).

Tinashé Gongera, a final year Electronics Engineering student won the first prize in the HIT 2015 Pre-National Engineering Students Awards Competitions (NESAC) held on campus on 22 May.

Gongera beat five other contestants with his Capstone Design Project entitled – 'Design of a Portable Biometric Payroll and Mobile Payment System.' In this project, a portable fingerprint scanner is used to record time attendance for employees. The system automatically calculates employee salaries according to grades, sends each employee a copy of their payslip via email and pays them their salary through a mobile payment platform such as one wallet or ecocash with payee tax and other deductions already effected.

The system eradicates ghost workers, provides a payroll solution in remote areas, provides authenticated time attendance for performance measurement and reduces payroll management costs, printing and bank charges costs while enhancing the accessibility of the payroll due its portability.

Tinashé is now set to contest at the 2015 NESAC competitions finals set for August.

The five other contestants who participated at the pre-finals were drawn from Chemical Process Systems Engineering, Electronic and the Industrial Manufacturing Engineering Departments.

Auxillia Chivanga from the Chemical and Process Systems Engineering came second after presenting her project on the Design of a plant to produce paper from bagasse while Duvalang Makurachibvumo from the Industrial and Manufacturing Engineering Department was third with his project on the Design of a Plant for the Generation of Electricity from Municipal Waste Water.

The other three contestants were Munyaradzi Mudzingwa from the Electronics Engineering Department, Emmanuel Ndara from the Industrial and Manufacturing Engineering Department and Patience Kanyenga from the Chemical Process and Systems Engineering Department.

In his opening remarks, Dean of the School of Engineering and Technology Mr. P. Muredzi said that the Harare Institute of Technology has a responsibility to nurture, train and educate technologists, engineers and innovators of

tomorrow to equip them with analytical and problem solving skills that will enable them to adapt to future unknowns.

"We won the first prize last year at the National Finals Competitions, and I hope that this year we will also come first again", said Dean Muredzi.

Guest of Honour, Engineer Mukuronyorova from the Zimbabwe Institution of Engineers applauded the linkage between engineering practice, engineers and educational institutions as very important. "It is my belief that these awards are the beginning of a modern engineering service that will transform our country's socio-economic situation, especially in-line with the ZIMASSET development agenda. The future of engineering in Zimbabwe is affirmed as these competitions make a significant contribution to our economic, social and technological progress as a nation", he said.

A panel of engineers from the Zimbabwe Institution of Engineers (ZIE), Confederation of Zimbabwe Industries (CZI), Scientific and Industrial Research and Development Centre as well as the Zimbabwe Manpower Development Fund (ZIMDEF) adjudicated the competitions.

# HIT HOSTS INAUGURAL VICE CHANCELLOR'S GOLF TOURNEY

The inaugural Vice Chancellor's Innovation and Scholarship Fund Golf Tournament was successfully held at the Borrowdale Brooke Golf and Country Club in Harare on 29 May.

Participants were drawn from the Institute's stakeholders, Board and senior management. The tournament format was the Four Ball-Better Ball Alliance.

The AMG Global Chartered Accountants team comprising C. Kazembe, P. Makarudze, A. Mubaiwa and S. Chiminya emerged the overall winners with 95 points, while the second team made up of C. Nyabeze, A. Amos, J. Dzimwasha and F. Chimhini scored 91 points.

Minor prizes went to A. Chatora for nearest the pinhole shot at hole number 2, J. Dzimwasha for the nearest pinhole shot at hole number 11, P. Nyabadza for the longest drive shot at hole number 10, T. Muringani and S. Chiminya for the longest drive shot at hole number 10 and 12 respectively.

In his remarks, HIT Vice Chancellor, Eng. Q.C Kanhukamwe said the tournament was held as a fundraising effort and a platform to interact with stakeholders.

He expressed his appreciation to stakeholders for promoting HIT; adding that the Institute was currently commemorating the 10<sup>th</sup> Anniversary of its founding. He added that the commemorations provided HIT with an opportune moment to evaluate progress in its quest to become the centre of excellence in innovation and technopreneurship.

Funds generated through the Golf Tournament were to fund intelligent but financially challenged students, Capstone Design Projects with the potential for commercialisation as well as procuring equipment for workshops and laboratories.

Speaking at the same occasion, the Chairperson of the Institute Board Dr. Gibson Mandishona said the Innovation and Scholarship Fund is important as it seeks to generate the much needed resources to realise the Institute's mandate as well as to position HIT as the leading institution spearheading Zimbabwe's technological revolution.

The golf tournament is set to become an annual event.



The AMG Global Chartered Accountants team which won the first prize at the inaugural Vice Chancellor's Innovation and Scholarship Fund Golf Tournament.