



DECEMBER 2011

PRESIDENT CAPS 77 HIT GRADUANDS



HIT Chancellor, President Robert Mugabe caps Arthur Ndlovu who graduated with a B.Tech (Hons) Degree in Computer Science

President Mugabe capped 77 Harare Institute of Technology graduates at the institution's second graduation ceremony held on 15th December 2011.

The second graduation ceremony saw the conferment of degrees, certificates and awards to graduates from the Schools of Engineering and Technology, School of Industrial Sciences and Technology, School of Information Sciences and Technology as well as the School of Business and Management Sciences.

In his speech at the ceremony, Acting Vice Chancellor, Engineer Quinton Kanhukamwe said the university is complementing government efforts in harnessing science and technology for development through various programmes that specialise in the field in line with international trends.

"We have launched a B-Tech (Hons) in Bio Technology programme to ensure that our country does not lag behind in global trends in as far as technological advancement is concerned," he said. He added that HIT had introduced a new pharmaceutical technology programme meant to bridge the technology gap in the country's drug and pharmaceutical industry. Eng Kanhukamwe said the institution was seized with research in the area of renewable energy and novel technologies in power generation.

Engineer Quinton Kanhukamwe said the institution managed to do its best against a constrained budget, among other operating challenges. He said lack of

funding was delaying completion of various projects started by the institution. "The milestones I have chronicled were achieved under an operating environment with limited resources," he said.

"The institute requires extensive support in its transport department. The university needs a staff bus, vehicles for student internship visits and research as well as trucks for routine operations and we were hopeful that our requests will be accommodated in the 2012 budget. Projects which had commenced earlier continue to be regrettably at standstill," he said.

Eng Kanhukamwe said the institution was facing an acute shortage of office space and lecture theatres. He said HIT had mobilised more funds through its fundraising activities adding that the money would go a long way in the construction of a multi-purpose workshop.

Engineer Kanhukamwe said the institution has also adopted a deliberate five-year strategic plan that demands that graduands should be highly knowledgeable and become agents of meaningful socio-economic transformation.

Higher and Tertiary Education Minister, Dr Stan Mudenge, his secretary Dr Washington Mbizvo, Dr Sikhanyiso Ndlovu, captains of industry and commerce as well as other senior government officials graced the graduation ceremony.

Contents

Page

President caps 77 HIT Graduands.....	1
HIT Second Graduation Ceremony	
A Success: Registrar.....	2
HIT Board Chairman's Speech.....	2
HIT Developing New Infants ARV	
Dosage Formula.....	3
Technology Centre impresses Deven	
Engineering.....	3
HIT Ready to collaborate with	
Polytechnics.....	3
List of Graduands For The HIT	
Second Graduation Ceremony.....	4
HIT Second Graduation Ceremony in	
Pictures.....	5



INNOVATION

LEADERSHIP

COMMITMENT

INTEGRITY

PROFESSIONALISM

HIT SECOND GRADUATION A SUCCESS: REGISTRAR



The Registrar, Mrs Samupindi

The Registrar of the Harare Institute of Technology, Mrs Mary Samupindi has hailed the Institute's second graduation ceremony held on the 15th December 2011 as a big success in the history of this young innovation and technopreneurial university.

Speaking soon after the graduation ceremony, Mrs Samupindi said although the preparations were hectic, she was glad that everyone involved took their responsibilities seriously and put their hearts into it resulting in the successful hosting of this second graduation ceremony.

"We worked as a team, as one family as our institute's choir was singing - we are the HIT family - and that was proved today as we

displayed to the whole world that we are the HIT family. This event has got a very special place in my heart and in my memory. I liked the atmosphere, the mood; you could see everyone was enjoying themselves, starting from the Chancellor himself right down to even the people who were cleaning. You could see everyone was appreciating the event", said the Registrar.

Mrs. Samupindi said that as the Registrar, she is pleased and grateful that this was a successful event and she took the opportunity to thank God for his wisdom, guidance and for his presence which made everything possible. "I am also particularly grateful that I was able to have taken some photographs of myself and the Chancellor, who also happens to be the President of our nation. For me it's a historic moment because it's not every day that you happen to be close to the Chancellor", said Mrs. Samupindi.

She added that she was proud of the conduct of the HIT students, the choir and also the graduands themselves as everyone displayed maturity and also helped to create an atmosphere of celebration.

"Let me also take this opportunity to acknowledge the leadership of our Vice-Chancellor Engineer Kanhukamwe. Without his leadership, such events and activities will not be possible, so it is also a reflection of his leadership qualities. Last year, we held our first graduation ceremony and we were starting and learning the ropes. There could have been one or two hitches but this year things worked like clockwork which is also a reflection that we are mastering the ropes", she said.

Mrs. Samupindi also emphasized that the

Harare Institute of Technology does not just award academic degrees to its graduands but also bestow upon them moral and ethical values as well as inculcating into them the spirit of patriotism.

"My message to our graduands is that they should continue to carry and raise the HIT flag high and to do us proud. I also hope that these graduands will come back and join the HIT Alumni so that they can continue to contribute towards the growth of this young university. HIT is the University of today and the future. They say dynamite comes in small packages and taking into consideration that the number of our graduands is not very high; we are churning out fewer graduands in line with our mandate. We are focusing on the technology mandate and as you are aware very few students take up science subjects at school, so our catchment area is rather subdued but it is not the numbers that matter but the results and the focus that we have, which is our great strength", said the Registrar.

The Registrar of the Harare Institute of Technology said she hopes that the graduands will make a big impact in our national economy as they have been taught not to be employees but employers.

President Mugabe capped 77 Harare Institute of Technology graduates at the institution's second graduation ceremony. The second graduation ceremony saw the conferment of degrees, certificates and awards to graduates from the Schools of Engineering and Technology, School of Industrial Sciences and Technology, School of Information Sciences and Technology as well as the School of Business and Management Sciences.

SPEECH BY THE HIT BOARD CHAIRMAN ON THE SECOND GRADUATION CEREMONY

On behalf of the Harare Institute of Technology Board, Management, Staff, Students and Graduands, I wish to welcome you all to our second graduation ceremony. A special welcome is extended to the University Chancellor, His Excellency, the President of the Republic of Zimbabwe, Cde Robert Gabriel Mugabe who has set aside his busy schedule to confer degrees, certificates and awards to the institutes' Graduands. Your Excellency and Chancellor, your unflagging, intellectual and physical rigour in the establishment of technology and applied sciences universities has proved a solid highway in a complex and rapidly changing landscape.

NEED I SAY MORE!

Today is indeed a momentous occasion on the institute calendar marking the culmination of a concerted effort among the Government, Board, Management, Staff, Students and parents that has successfully witnessed this cohort of Graduands being presented for capping by the Chancellor.

The Graduand that we are seeing today has gone through the HIT mill that nurtures the spirit of patriotism and of intellectual, aesthetic, social and moral growth, which invariably recognises gender sensitivity. Your Excellency, the Chancellor; indeed you will be proud to be associated with the University, Students and Staff whose vision is irreversibly in tandem with national goals and aspirations. Your Excellency, the Chancellor, there is need to complement and reciprocate on your untiring efforts to build a technology-driven nation-state. We should not let you down; and I can hear your heart beating, as if to say; "MANDIREGERERA", the title of a nhetembo (poem) I penned in 1972:

MANDIREGERERA

Mandiregera ndave ne mhoni
Bata noko danda rinorema
Torayi makavi musunge mbariro
Roverayi hoko midzi yemuhachha mikobvu
Mandiregerera inga makangonditarisa

Mapeta makumbo sendere re mumvudza
Makotsira masikati senhuta
Ndinoda anotova nejira nyoro
Ndinoda anorezva nemashizha emukute
Tichatamba musi wachabooro mhango.
Mandiregerera...

NEED I SAY MORE!

Once again, through our Chancellor, I welcome you all for your presence which will add meaning, sense and dignity to this auspicious and singular occasion.

Tinokugamuchirai!
Samukela!
Welcome!

I thank you!

NEED I SAY MORE!

HIT DEVELOPING NEW INFANTS ARV DOSAGE FORMULA



Prof Zakaria, founding Chairman of Pharmaceutical Technology Department

The HIT Pharmaceutical Technology Department is developing a new Infants ARV Dosage Formula on behalf of Varichem Pharmaceuticals as currently there are no solid ARV formulations that can be used by paediatric patients.

The dosage will aid local health services in

the provision of care for HIV/AIDS patients.

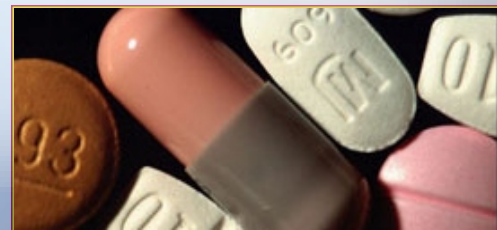
The Chairman of the HIT Pharmaceutical Technology Department, Professor Zakaria said they are currently working on the new dosage formulation which involves two stages. The first stage involves the formulation and invitro evaluation of the infants ARV drugs incorporated in rectal suppositories. The second stage shall involve the vivo bioequivalence studies, and this shall eventually lead to the conclusion and signing of a Memorandum of Understanding or a contract between HIT and Varichem Pharmaceuticals.

According to research, the World Health Organisation (WHO) now recommends that all HIV/AIDS diagnosed infants of less than 12 months of age should begin antiretroviral therapy regardless of clinical, immunologic and virologic symptoms. It was found that the risk of death for infants who began treatment immediately was 76% lower than the deferred treatment group. Although the oral route of paediatric formulations is the most widely used it has certain disadvantages that may limit its use, for instance: High pill burden, reluctance among young infants to take syrups and powder due to unpleasant taste. In

addition, syrups are six times more expensive than solid formulations.

Moreover, the World Health Organisation recommends that children be switched to solid formulations as soon as possible or tolerable, and strongly supports the development of solid dosage formulations that can be used by paediatric patients under 14 kilograms weight. Therefore, an alternative ARV paediatric suppository dosage form has become an important route in contrast to oral dosage forms; more than 75% of unchanged drug in suppository form can be absorbed into the blood stream without passing through the liver.

Varichem is a local pharmaceutical company that is currently producing ARV drugs.



TECHNOLOGY CENTRE IMPRESSES DEVEN ENGINEERING



Deven Engineering Private Limited, a subsidiary of the Industrial Development Corporation (IDC), is seeking a business and working partnership with the Harare Institute of Technology's Technology Centre in the production, servicing and maintenance of its machine tools.

Mr Clive Canary, a manufacturing executive with Deven Engineering, revealed that Deven is ready to do business with the Harare Institute of Technology in press tool grinding, computer numerical control machines servicing and press tool engineering.

"We have got a lot of work we want HIT to do for us. We can give you this work and we can make use of your facilities. This will also reduce our operating costs because we are currently contracting South African

companies to do this work. We know you have the facilities and the expertise to do it. Come and help us and we also help you. Let's do business together", said Mr Canary.

Mr Canary added that he can source some other jobs for the Harare Institute of Technology as it has excellent state of the art modern equipment and machines at its workshop facilities and Deven Engineering is looking forward to the conclusion of the signing of a Memorandum of Understanding between the two parties to kick-start the business partnership.

Deven Engineering Private Limited specialises in the manufacturing of bus bodies, trailers, van bodies, drop side bodies and vehicle canopies.

HIT READY TO COLLABORATE WITH POLYTECHNICS

Harare Institute of Technology fully supports and embraces the Technical and Vocational Education and Training (TVET) and is ready to collaborate with Zimbabwean Polytechnics in this concept, the Acting Vice Chancellor, Eng Kanhukamwe has said.

The Vice Chancellor acknowledged that TVET is an integral part of Education in our flexible system. He noted that the acquisition and development of skills remains central to the promotion of a country's economic growth and that skills play an essential role in stimulating rapid national industrialization and employment creation through technopreneurship and Foreign Direct Investment (FDI).

"To accelerate the economic recovery currently underway, learners need to acquire skills knowledge and attitudes needed to start business enterprises as well as develop professional careers and bolster

faltering industrial enterprises. To achieve this we need a flexible education system. Looking around us, countries that have had the most rapid increases in educational attainment, as well as sustained economic growth have upgraded their education sequentially. In a globalised economy, a large pool of skilled workers is indispensable for attracting Foreign Direct. Developing skilled workers enhances the flexibility and efficiency of the labour market and job mobility is also improved. It is therefore crucial to embrace TVET in order to promote a rapid scientific, industrial and technological revolution in Zimbabwe," he said.

Harare Institute of Technology has registered its support and commitment to this national cause by crafting Bachelor of Technology degree programmes to upgrade polytechnic lecturers. The Institute rolled out several B.Tech programmes in 2010 and enrolled 176 polytechnic lecturers for upgrading as a

first phase of its relationship with polytechnics.

These were enrolled into the following degree programmes: Industrial and Manufacturing Engineering, Electronic Engineering, Information Technology, and Food Processing Technology.

Further commenting on TVET Eng Kanhukamwe said "We are passionate and responsive to our ecosystem and we at Harare Institute of Technology acknowledge fully the role that Polytechnic Colleges play in Zimbabwe. The Technical Vocational Education and Training (TVET) concept cannot, in anyway, be ruled out of the bigger rapid Scientific, Industrial and Technological transformation on of this nation."

He said HIT stands ready to welcome, embrace and collaborate with Polytechnic Colleges in their initiatives to further strengthen their mandates.

LIST OF GRADUANDS FOR THE HIT SECOND GRADUATION CEREMONY

1.0:SCHOOL OF ENGINEERING AND TECHNOLOGY

1.1:BACHELOR OF TECHNOLOGY HONOURS DEGREE IN INDUSTRIAL AND MANUFACTURING ENGINEERING

Chiteka Kudzanayi
Kalulu Pearence Tafadzwa
Kanonge Ivan Ngonidzashe
Magodora Privilege Tabudzwa
Maputi Edmund Shingirayi
Mashanda Stephen
Mazarure Tawanda
Mhene Benhildah Tafadzwa
Nyoni Ronald

1.2:BACHELOR OF TECHNOLOGY HONOURS DEGREE IN ELECTRONIC ENGINEERING

Gama Obert
Kauyeza Dudzai
Kagurabadza Muchineripi Matthew
Mapurisa Pikirai
Mateesanwa Martin
Mudimbu Simbarashe Harry
Musariwa Enock
Mushove Nyengetera Cherryll
Nkomo Peter
Nyamambi Praise
Nyonga Ganizani
Rwatirera Reinhard Tinashe
Rwodzi Mcbath John
Sithole Blessing Makaimeya

1.3:BACHELOR OF TECHNOLOGY HONOURS DEGREE IN CHEMICAL AND PROCESS SYSTEMS

ENGINEERING

Chidakwa Tatenda
Chikava Jerry Tendai
Chitambwe Trymore
Kabanda Stanford
Kadzungura Luckmore
Kapfunde Nunurai Emmanuel
Mutadza Itai
Ncube Takazelani
Njeke Takesure

2.0:SCHOOL INDUSTRIAL SCIENCES AND TECHNOLOGY

2.1:BACHELOR OF TECHNOLOGY HONOURS DEGREE IN FOOD PROCESSING TECHNOLOGY

Chaeruka Obert Tatenda
Diya Beloved Lovejoy Kudakwashe
Mashava Antony
Mugari Kilon
Mutandwa Colleen
Mwai Willard Takudzwa
Nyakabau Tapiwa
Sundire Loreen Chiedza

3.0:SCHOOL OF INFORMATION SCIENCE AND TECHNOLOGY

3.1:BACHELOR OF TECHNOLOGY HONOURS DEGREE IN COMPUTER SCIENCE

Chiripamberi Tinashe
Fadariliki David Innocent
Gwavava Wellington

Hwata Chiedza
Kadirire Vimbiso
Karekwaivenani Nicholas Nyikadzavene
Mambodza Walter
Mangezi Beatrice
Mangirazi John
Manjoro Wellington
Masaiti Budwell
Mubhika Mutizwa
Mucheyi Jacob
Mulilo Tawanda
Mutukwa Fletcher
Ndlovu Aurthur
Nyagumbo Edison
Nyambuya Moses

4.0:SCHOOL OF BUSINESS AND MANAGEMENT SCIENCES

4.1:BACHELOR OF TECHNOLOGY HONOURS DEGREE IN FINANCIAL ENGINEERING

Bakasa Nancy
Charambiwa Zivai
Chitate Fact
Gambe Bernard Emmanuel
Maguta Jonathan
Marandure Johannes
Murasiranwa Christopher
Muzamhindo Brian
Nindi Clive Simba
Nyandoro Winnie Tatenda
Sango Solomon Pinduka
Sonzuma Spiwe
Zumburani Gilbert



Graduates, relatives and friends celebrating and congratulating each other soon after the conferment of degrees by the Chancellor, President R.G. Mugabe at HIT's second graduating ceremony

HIT SECOND GRADUATION CEREMONY IN PICTURES



Some of the HIT staff following proceedings during the graduation ceremony



Chancellor, President R.G Mugabe & A/Vice - Chancellor Eng. Kanhukamwe during the academic procession



Chancellor President R.G Mugabe (seated centre), Minister of Higher & Tertiary Education, Dr. S. Mudenge (seated right) A/Vice - Chancellor Eng. Kanhukamwe (seated left), Permanent Secretary of Higher & Tertiary Education, Dr. W. Mbizvo and the Registrar Mrs Samupindi (standing right) pose for photographs soon after the conferment of Bachelor of Technology (Hons) degrees to the 77 HIT second graduates.



Harare
Institute of
Technology

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Business address: Ganges Road Belevedere
Harare
Postal address: P.O.Box BE 277 Belevedere
Harare.

News and feedback:
Tel: 04 741436

E-mail: communications@hit.ac.zw

Website: www.hit.ac.zw

HIT SECOND GRADUATION CEREMONY IN PICTURES



The HIT Choir entertains the crowd while a Poet (kneeling right) spells out the HIT Destiny and Core values at the Graduation Ceremony



The Air Force and Mazowe High School Brass Band (right) compete to entertain the crowd



Congratulations! Graduates, relatives and friends congratulating each other just after the conferment of the degrees by the Chancellor, President R.G Mugabe.