



# NEWS @ NUST

A newsletter for the National University of Science and Technology

May 2018

## NUST collaborates with Uppsala University to enhance technology development



*Professor Dlodlo receiving chair donation from Miss Lollobrita Moshema*

**T**HE National University of Science and Technology recently collaborated with the Uppsala University, in Sweden, to enhance technological developments between these two institutions.

A technician at Uppsala University, Lollobrita Moshema, was at NUST for two weeks where she came under a European Union (EU) sponsored programme called Erasmus Mundus Exchange Programme, which aims to improve Information and Communication Technology Services (ICTS) in developing countries.

Speaking at her farewell event organised by the ICTS department, Moshema said she was looking forward to working with NUST citing how the collaboration will primarily benefit students.

“I see a lot of prospectus that we can work on together. My main concern is the students because they are the ones that make us who we are. So we really need to offer something that is liable to them to achieve their goals since this is a science and technology university,” she said.

The Erasmus Mundus beneficiary said she would write a report on the observations she made and come up with possible areas that need funding. She also touched on some issues that the top management needs to work on

to improve service delivery.

She also made a personal donation of eight chairs to the ICTs department which was received with gratitude by university representatives.

Moshema has worked with the University of Dar es Salam in Tanzania and Makerere University in Uganda where her involvement brought about the improvement of these universities’ ICTS evidenced by their semi- autonomous function from the main administration in their respective institutions.

The Vice Chancellor of NUST, Professor Mqhele Dlodlo said the University looks forward to more collaborations with Uppsala University as they contribute to the university’s mandate and ultimately to the economic development of the country.

“We hope that the collaboration between these universities can expand, we look forward to better days for the ICTS in particular because that is what our university with the mandate of science and technology requires on the ground,” said Prof Dlodlo.

“These resources will help our students and people that use them to have the know-how to use science and technology in growing the economy because economic development is imperative at the moment in Zimbabwe,” said Prof. Dlodlo.

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# Make a date with the Vice-Chancellor

## Professor Mqhele Dlodlo at the helm

**P**rofessor Mqhele E. Dlodlo, assumed duty as NUST's substantive Vice-Chancellor on 1 April 2018.

From the onset, he put his shoulder to the hoe and literary "hit the ground running" with commitments that have already taken him as far afield as Harare, Victoria Falls and Cape Town.

He has also had to attend to several other engagements on campus and out of campus.

Having got a broad "feel" of NUST, the Vice-Chancellor now intends to meet and greet all staff at a general meeting for all staff that is pencilled for Monday 4 June 2018 in the Ceremonial Hall.

The 4th of June is the earliest that this big venue will be available after examinations.

All members of staff are invited. Essential details of the meeting will be availed nearer the day.



*Professor Mqhele E. Dlodlo- NUST Vice Chancellor*

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## NUST-Uppsala University collaboration

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NUST is part of the Erasmus Mundus Exchange Programme through the university's pre-existing science projects with Uppsala University. The programme has three categories which the Director of NUST Research and Innovation Office said the staff and students should consider being involved in through his office.

"The Erasmus Mundus Exchange Programme has the mobility such that through its categories, people from Sweden can come here and people from our university can also go that side," said Prof Naik, "The first and second category are for two members of teaching staff and two members of non-teaching staff respectively, to go to Sweden

and participate in an area that they are interested in so that they can learn what they can also do back home. The third category is for students where they can go for one semester, for them to have academic and cultural exchange with Sweden," he added.



*Linda Ndiweni presenting during the workshop*

## NUST partaking in the urban development of Bulawayo

THE National University of Science and Technology's Faculty of Built Environment (FOBE) in partnership with the Bulawayo City Council (BCC), Zimbabwe Homeless People's Federation (ZIHOPFE) and Dialogue on Shelter are making strides in the urban development project they are undertaking.

Speaking at a recent workshop hosted by FOBE, presenters gave a run down of the achievements the partnership has had, citing how they are working on the fruitfulness of the partnership's current project.

In 2014, the partners carried out their first project which was a slum profile survey of Bulawayo and they came up with a report.

The second project in 2015, documented the costs residents in slum areas incurred in sourcing energy such as wood and gas. From the discoveries made from slum communities such as Mbundane, residents spent a lot of money on these sources, thus they were encouraged to use alternative energy sources such as solar panels, solar cooking stoves and solar refrigerators which are less costly.

In 2016 they redesigned the Ecological Sanitation toilet (Ecosan).

"This was an initiative of the NUST architectural students following a field visit made by the students where they noticed that the Ecosan toilet design had design defects thus they came up with a new design," said Linda Ndiweni, a Research Fellow in FOBE.

An Ecosan toilet is a closed system that does not need water, but requires fire ashes after use. When the pit of the toilet fills up, it is closed and sealed for about 8 to 9 months to allow the faeces to be completely composted into organic manure and can be used on farms.

The use of this toilet has increased recently with most people who stay in slums in Bulawayo, Harare and Masvingo testifying of its efficiency.

2017 brought about the reprofiling of slum settlements in Bulawayo, and findings revealed that these settlements have increased since the last profiling.

Ongoing project for 2018 is the planning studios in which the NUST students, and the other partners work with the communities assisting them on how best they can extend their houses on a limited space yard and to also assist them in designing individual toilets per household.

Speaking at the Citywide Slum Settlement Profiling and Upgrading Reflection Workshop recently held at NUST's Council Chamber, members of different organisations said NUST's involvement in this project has greatly influenced its fruitfulness.

"NUST students' involvements has shortened some town planning projects, it used to take up to 6 months or so to approve plans but ever since NUST got involved, planning gets approved even as early as after 3 weeks to 8 weeks," said Jerry Sibanda, BCC's Housing Officer-Eastern

"NUST students and staff members have played a big role in this partnership, they are the ones who are doing the designs for the community in Iminyela," said ZIHOPF's representative, Samukelisiwe Tshuma.

The BCC representative, Mr Sibanda also mentioned that the local council has future plans to curb accommodation challenges faced by NUST students who live in the neighbouring suburbs due to limited accommodation at the students residence. He said plans are being made to build students hostels at an open space facing Harry Allen Golf Course.



*Planning Studios with NUST students and members of Iminyela Community*

## RIO Director talks about research opportunities



*Professor Naik*

**T**HE Research and Innovation Office (RIO) Director, Prof Yogi Naik recently enlightened researchers at the Faculty of Communication and Information Science (FCIS) Research Seminar Series on the main operations of RIO and how the faculty can use its services in their research activities.

Presenting at the research seminar, Prof Naik placed emphasis on developing a university focused research culture and agenda.

The RIO director also highlighted that his duties included 'identifying and exploiting alternative sources of funding.'

He encouraged academics to attend workshops organized by RIO on writing grant winning proposals so that they can be equipped with proposals that could attract grant funding from other research funding bodies regionally and internationally.

Prof Naik further stated in his presentation that RIO funding includes the following:

- Research grants which are allocated to a maximum of \$ 5 000 and

the funds cover research equipment requirements; consumables; and this grant funding is renewable provided there has been satisfactory progress in the research project.

- Travel grants which are allocated to a maximum of \$ 2 500 within 2 yrs. Once the ceiling has been reached for the travel grant, the applicant is put on caveat so as to give all academics a chance to benefit from the limited funding.

- Publication costs are given to researchers as per request.

- Block allocation is allocated to academics every year and the allocation is \$ 200.

Other responsibilities of the RIO Director include providing research skills training to all academics at NUST.

The RIO Training Officer, Dr Paul Makoni is in charge of the training programmes.

The June 2018 workshops are targeted at academics and researchers from the Faculties of Built Environment, Commerce, Communication and Information Science and Science and Technology Education.

### OPPORTUNITIES

RIO recently made a call for collaborative research grants where they encourage multi-disciplinary and collaborative research. The principal investigator should be a senior lecturer and be a holder of a PhD with 5 or more research papers.

There should be a minimum number of 3 departments collaborating, with 30 % female representation.

The projects have to run for 3 years @ \$ 20 000/year and there is external review by experts.

The Research and Innovation Office will be running workshops in June 2018 on:

- \* Manuscript Writing

- \* Preparing Conference Presentations

- \* Introduction to Data Analysis using SPSS,

- \* Research Ethics

- \* Networking

- \* Searching Literature Databases in June 2018.

# Four Pool players qualify for CUCSA



FOUR student Pool players were recently selected to be part of the team that will represent Zimbabwe in Botswana at the Confederation of University and College Sports Association (CUCSA) games scheduled for June after the team winning second position at the Zimbabwe Tertiary Institutions Sports Union (ZITISU) games.

William Madzivadondo, the captain of the team; Winston Guzha, Tawedzera Dewa and Joseph Mlam-

bo qualified to play in the CUCSA after their impressive performance at the Carling Black Label sponsored ZITISU games, were they won all the games they played. The team had 15 players whilst two of them were on stand by.

Madzivadondo said he was happy to have qualified to play in Botswana citing how the participation will enhance the team's playing techniques.

"The ZITISU games were quite

tough and we are happy that we qualified for the CUCSA, we hope we will impress that side and we also hope to gain skills that will improve the team's skills," said Madzivadondo.

The Pool team won a silver cup at the Zimbabwe Universities Sports Association (ZUSA) tournament held in April, this then qualified them to play in the ZITISU.

## RIO Director at FCIS Workshop

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RIO also runs the Zimbabwe Journal of Science & Technology which started in 2003 and from 2003-2008 a hard copy of the journal was being produced. As from 2008 an electronic sustained publication was established.

The journal has an Editorial Committee/Board. A new journal named the Zimbabwe Journal of Commerce and Management Sciences is under construction with 10 manuscripts. Another journal named the Zimbabwe Journal of Communication & Information Sciences is currently under consideration.

FCIS Research Seminar Series was officially launched by the Dean of FCIS, Mr S Chabikwa, on the 6th of April 2018.

The goal of the seminar series is to provide a local forum for interaction that supports the development of research-in-progress into high-quality papers and presenta-

tions that contribute to the theory, practice, and teaching of communication and information science and related fields.

Prof Naik's presentation is the third since the inception of the FCIS Research seminars. The first presentation was from Mr. T. Nkomo from the Department of Journalism and Media Studies on 'Public relations and cultural sensitivity' and the second presentation was from Dr. P. Dewah from the Department of Records and Archives Management on 'Knowledge sharing in the Faculty of Communication and Information Science: academic staff perceptions'.

The programme's upcoming presentations can be obtained from the Faculty of CIS and from the Faculty Seminar coordinators who include Dr. P. Dewah, Mrs A Chirume and Ms H Ndlovu, all from the Department of Records and Archives Management.

## NUST Fundraising Golf Day around the corner



**NUST**  
Fundraising  
Golf Tournament  
in Partnership with FBC Bank

Title Sponsor  
 FBC Bank

**15 June**  
**Bulawayo Golf Club**

For the participation of a four ball team the cost for one player is \$50.00 and cost for a four ball is \$200.00

Interested stakeholders please contact	Sponsorship Category
Concillia Mpofu   0774 677 846 concillia.mpofu@nust.ac.zw	<b>Platinum</b> \$10000
Lindiwe Nyoni   0712 918 987 lindiwe.nyoni@nust.ac.zw	<b>Gold</b> \$5000
Shungu Njanji   0772 219 301 shungu.njanji@fbc.co.zw	<b>Silver</b> \$3000

**T**HE National University of Science and Technology (NUST)'s Alumni Office will be hosting the NUST Annual Golf Tournament on Friday, 15 June 2018 at the Bulawayo Golf Club for the first time.

The aim of the tournament is to raise funds towards the construction of a multi-discipline sport facility accommodating handball, basketball, netball, tennis and volleyball.

The facility will go a long way in providing recreational services for students whilst on campus.

The platform will also facilitate a business networking platform as well as establish mutually beneficial relationships with key and relevant stakeholders in the industry.

This inaugural golf tournament will end with a prize giving cocktail ceremony to be held in the evening at the club house.

The Alumni Office is inviting well wishers to sponsor the NUST

annual fundraising golf tournament. Sponsorship can be in the form of category sponsorships or selection of specific items from the flier on this page.

For the participation of a four ball team the cost is \$200.00 and the cost for one player is \$50.00.

The deadline for registration and participation is 8 June 2018.

# Students' Page

## Its exam time!!!

examtime



Exam time can be super stressful for university students, and sometimes no matter how hard you try to keep your cool, things get on top of you.

The last thing a student wants to worry about is the stress of making ends meet, amidst the economic challenges the country is facing, so that their pending fees can be cleared for them to be allowed to seat for their exam.

The Registrar's Department recently opened up Registration on the basis that students make a payment plan.

"Registration will be allowable upon payment of a minimum of

\$20. For the balance payable, arrangements should be made with the Bursar through a payment plan," read the notice from the Registrar.

Unregistered students are not allowed to access some of the university's resources thus making a payment plan allows them to be registered for them to be allowed into the examination venue.

Students said the payment plan lifted part of the burden on their shoulders as now they can concentrate on exams and clear their fees whenever they get money.

"The payment plan reduced the pressure for me especially

amidst exam preparations, i was struggling to raise my remaining fees before the commencement of exams and i was stressed as i thought would not be able to write until am cleared," said Admire Dube a part 2 student, "I was relieved when i saw a notice on the website about making a payment plan for me to be able to write exams, now i can worry about exams then make sure i pay my fees as soon as i get money," he added.

Best Wishes  
for your exams

Success in exams is a simple two step  
process believe in yourself and back it up  
with plain old hard work. Good luck.  
From : News @ Nust

# Students' Page

## 12 Study Tips that will Boost your Results

### 1. Set Study Goals

There is lots of credible research suggesting that goal setting can be used as part of a strategy to help people successfully effect positive changes in their lives, so never underestimate the power of identifying to yourself the things you want to achieve. Just make sure to ask yourself some key questions: Am I setting realistic goals? Will I need to work harder to achieve those goals? If you're happy with the goals you've set then you should aim to develop your study plan for the year ahead with your goals in mind. Which, as it happens, leads us to Tip #2!

### 2. Make a Study Plan

Time is precious. Nobody is more aware of this than the poor student who hasn't studied a thing until the night before an exam. By then, of course, it's too late. The key to breaking the cycle of cramming for tests is to think ahead and create an effective study plan. Not only will this help you get organised and make the most of your time, it'll also put your mind at ease and eliminate that nasty feeling you get when you walk into an exam knowing that you're not at all prepared. As the old saying goes, fail to prepare and be prepared to fail.



### 3. Take Regular Study Breaks

None of us are superhuman, so it's important to realise that you can't maintain an optimum level of concentration without giving yourself some time to recover from the work you've put in. This can take the form of a ten-minute walk, a trip to the gym, having a chat with a friend or simply fixing yourself a hot drink. If it feels like procrastination, then rest assured that it's not: taking regular short breaks not only help improve your focus, they can boost your productivity too.

### 4. Embrace New Technologies

Studying no longer means jotting things down with a pen on a scrap of paper. The old handwritten method still has its place of course, it's just that now there are more options for personalising study that ever before. Whether it's through online tools, social media, blogs, videos or mobile apps, learning has become more fluid and user-centred.



### 5. Test Yourself

It's a strange thing, but sometimes simply entering an exam environment is enough to make you forget some of the things you've learned. The solution is to mentally prepare for the pressure of having to remember key dates, facts, names, formulas and so on. Testing yourself with regular quizzes is a great way of doing this. And don't worry if you don't perform brilliantly at first – the more you practice, the better you'll become.

## 6. Find a Healthy Balance

Take this opportunity to evaluate yourself both physically and mentally. Is your engine running on low? Instead of complaining “I never get enough sleep” or “I’m eating too much convenience food” take control and do something about it! Make the change and see how it positively affects your attitude and study routine. This should motivate you to maintain a healthy balance in the future.

## 7. Be Positive

Your attitude has a big impact on the level of study that you get done and the effectiveness of your learning process. If you keep saying that you can’t do it and won’t commit to the idea of learning, attempting to study is only likely to become more difficult. Instead, focus your mind on positive outcomes and on how you can use your own individual strengths to achieve them. When you think positively, the reward centres in your brain show greater activity, thereby making you feel less anxious and more open to new study tips.

## 8. Collaborate with Study Partners

At this stage of the school year, you should know your classmates pretty well. This is a good point in time to select a couple of study partners who you know you work well with and are motivated to achieve good grades also.



## 9. Turn lessons into stories

Everybody likes to read or listen to a good story, and with good reason – not only do stories entertain us, they help us to understand and memorise key details too. You can apply this to your studies by weaving important details or facts into a story – the more outlandish and ridiculous you can make it, the better (since you’ll be more likely to remember a particularly crazy story).

## 10. Establish a Study Routine

Your study routine is comprised of more than planning what to learn and when. One of the main concerns is your study environment. Find a place to study that is quiet and with few distractions. Alternatively, you could also try switching it up by sitting in a different place in your school library every day and seeing how this works for you.

## 11. Mark Small Challenges

When you have to face very long and dense subjects, you can set small challenges to keep your spirits high; a good way to focus on the day-to-day and find motivations while you study. According to scientific analysis, the more motivated and excited we are, the better our brain performs.

## 12. Consult lecturers

Any questions you have about the exam, the best you can do is go to the lecturer of the subject and expose your doubts. Not only is the person best suited to solve your questions, but your initiative will be well received and you’ll show good attitude by demonstrating that you’re interested in his subject.

There really aren’t any hard and fast rules to play by when it comes to best times for studying or how long you should work for. Everybody is different, so the best way to establish a routine is to try different things and see what works best for you, then modify your routine for maximum learning effectiveness. (blogged by GoConqr ) <https://www.goconqr.com/en/examtime/blog/12-study-tips-to-achieve-your-goals-in-2018/>



# UNI SHOP

Get yourself these NUST branded merchandise at the Uni-Shop (Administration Building)



NUST branded slimfit striped shirts



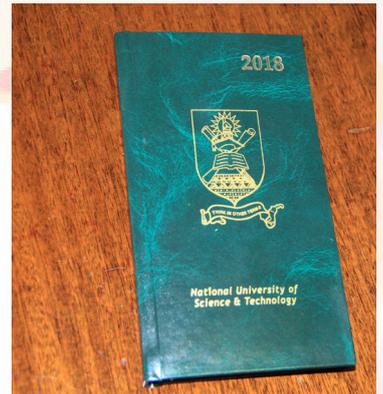
NUST branded golf tshirts  
Assorted colours



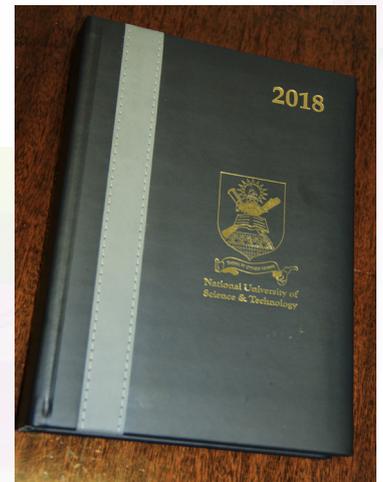
NUST branded floppy hats

## Diaries

Assorted colours



Pocket diaries



A5 diaries



A4 diaries