DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY



April 2014

Graduation Magazine

ACADEMIC PROGRAMMES

- PhD in Business Administration and Management
- PhD in Food Science & Technology
- Msc. in Food Science & Technology
- Msc. in Industrial Engineering and Management
- Msc. in Advanced Manufacturing & Automation Engineering
- Msc. in Geothermal Energy Technology
- Master of Science in Geospatial Information Science and Remote Sensing
- Master of Science in Supply Chain Management
- Master in Business Administration
- Master of Science in Economics

- Bachelor of Science in Electrical and Electronic Engineering
- Bachelor of Science in Telecommunication and Information Engineering
- Bachelor of Science in Mechatronic Engineering
- Bachelor of Science in Mechanical Engineering
- Bachelor of Science in Civil Engineering
- Bachelor of Science in Geomatic and Geospatial Information Science
- Bachelor of Science In Geospatial Information Science
- Bachelor of Science Actuarial Science
- Bachelor of Science in Leather Technology
- Bachelor of Science in Industrial Chemistry
- Bachelor of Business Administration
- Bachelor of Commerce
- Bachelor of Purchasing and Supplies Management
- Bachelor of Science in Criminology & Security Management
- Bachelor of Science in Computer Science
- Bachelor of Science in Information Technology (Stage I)
- Bachelor of Science in Information Technology (Stage II)
- Bachelor of Business in Information Technology (BBIT)
- Bachelor of Science in Nursing-Direct entry with K.C.S.E results
- Bachelor of Science in Nursing-upgrading programme for registered Nurse/Midwife
- Bachelor of Science in Food Science & Technology
- Bachelor of Science in Sustainable Tourism and Hospitality Management

- Diploma in Business Administration
- Diploma in Purchasing and Supplies Management
- Diploma in Information Technology
- Diploma in Electrical Engineering
- Diploma in Coffee Technology and Cupping
- Diploma in Sustainable Tourism and Hospitality Management
- Diploma in Coffee Technology and Cupping
- Diploma in Clothing and Fashion Design
- Diploma in Furniture Technology and Interior Design
- Diploma in Building Technology
- Diploma in Metal Work, Welding and Design

- Certificate in Information Technology
- Certificate in Coffee Technology and Quality Management
- Certificate in Fashion Design and Interior Decoration
- Certificate in Furniture Technology and Interior Design
- Certificate in Building Technology
- Certificate in Metal Work, Welding and Design
- Bridging Mathematics
- Bridging Physics

- ATC Level I& II (Intermediate & Final)
- CPA Sec. I-VI
- CCNA I, II, III, IV
- IT Essentials

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Message by the Vice Chancellor DeKUT, Prof. P.N. Kioni

> The foundations we now lay, atop what was developed for the constituent college, and the course we champion is what will determine the reputations of our graduates and the University many years to come.

I would like to welcome the readers to this magazine issue on our second graduation ceremony which also marks a full year of our operation as a fully-fledged University.

One of the major tasks for the Senate and Management during these early years of the University's existence as a newly Chartered institution is to lay a strong foundation for her future and to set her sailing on a unique course. The foundations we now lay, atop what was developed for the constituent college, and the course we champion is what will determine the reputations of our graduates and the University many years to come. We are fully aware of this historical responsibility and have, thus, committed ourselves to building a strong foundation which will be guided by the goal of providing high quality and holistic education and to living to the unique mandate being a university of technology that contributes to Kenya becoming an industrializing and globally competitive country.

In the last one year, the University management and academic capacities have been considerably strengthened through the recruitment of top management as well as additional staff across the establishment. The University also made the Statutes to guide its operations; it made strides in incorporating ICT technology in delivery of academic programmes as a strategy of ensuring that our students are ICT savvy and can derive maximum benefits from ICT resources available at the University and on the Internet. These are a few among many other achievements. Besides implementing physical developments, we shall continue expending quite a bit of our energies in the next few years developing the soft aspects of University education, to ensure that we establish appropriate traditions and a good University culture which is what, in the long run, shall make our graduates successful.

This year's graduation ceremony is unique in a number of aspects. It is the first time that we have Bachelor's degree graduands in Nursing, Electrical and Electronic Engineering, Mechanical Engineering, Civil, and Mechatronic Engineering. It is also the first time that we have Master's degree graduands in the Industrial Engineering and Management; this also applies to the Diploma and Building Construction programme which we began two years ago. From these together with other programmes that had graduands in the 1st graduation ceremony, we shall confer degrees and award diplomas to over 800 graduands.

My congratulations to you all the graduating students and may you be extremely successful in your careers and future endeavors. Many thanks to both the DeKUT's academic and non-academic staff, the Council, the Government of Kenya through the Ministry of Education, whose various contributions have made these achievements possible.

P. N. Kioni, PhD



CHANCELLOR'S VISIT TO DeKUT

DeKUT's Chancellor Prof. Shellemiah O. Keya paid a courtesy visit to the University on Thursday, 28th November, 2013. During his busy one-day visit to this university, Prof. Keya met with Governor's representatives Mr. Elijah Nguyo and Wamweya,County Executives for Education and Finance respectively. The Chancellor, Prof. Keya had a tour of DeKUT Nyeri town campus, where he was shown various lecture rooms, video conferencing facility, library and computer laboratory at the Prestige Plaza. Chancellor Keya, Prof. Kioni and other principal officers from the university later had a luncheon hosted by Prof. Kioni at the Outspan Hotel in Nyeri County.

The Chancellor also had a meeting with Deans, CoDs and Heads of Department at the boardroom in the afternoon. Prof. Keya shared with the team from DeKUT, the various activities he was engaged in for the last year after becoming the Chancellor of this University. DeKUT staff in the meeting appreciated the work of the Chancellor and acknowledged that a Chancellor's day should be in place to give students and staff an opportunity to interact with him. They expressed that it was very thoughtful and kind for the Chancellor to visit the university.

DeKUT NAIROBI CBD CENTRE

Extending the Reach for Quality Education

In a move aimed at diversifying and reaching out to many people craving for quality higher education in Kenya, Dedan Kimathi University of Technology extended her tentacles to Kenya's capital city, Nairobi in 2012. This was accomplished through the establishment of Nairobi Central Business (CBD) centre, located in the heart of the city on the 10TH floor of Union Towers building located at the junction of Moi Avenue and Mama Ngina street, next to Hilton Hotel.

City view from the CBD Library



The centre, headed by Dr. Peter Muchiri (PhD Mechanical Engineering), is not just new because of its sparkling sets of facilities. It also has the newest programmes in the market with a focus on training high caliber manpower; well cut out to drive the country to realizing Vision 2030. The programmes have also been aligned with the spirit and structure of Kenya's new constitution, expected to herald modern governance structures in a devolved administrative system.

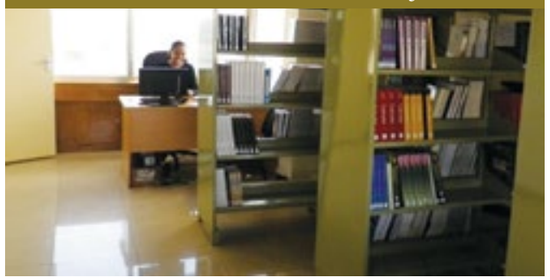
The rich menu of programmes offered at the center includes the following Postgraduate and Undergraduate, Diploma and Certificate courses:

DeKUT Nairobi CBD Office Block

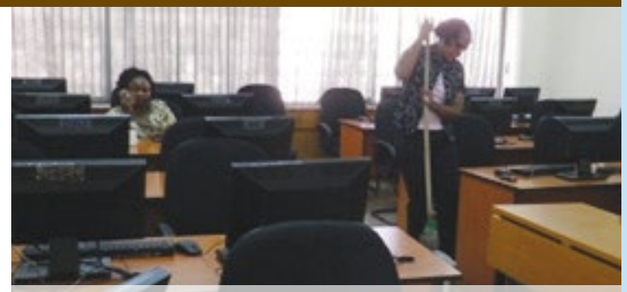


- PhD in Business Administration and Management
- MSc. in Industrial Engineering and Management
- MSc. in Geothermal Energy Technology
- MSc. in Geospatial Information Science & Remote Sensing
- Masters in Business Administration (MBA)
- Bachelor of Science in Criminology & Security Management
- Bachelor of Commerce (BCom)
- Bachelor of Purchasing and Supplies Management (BPSM)
- Bachelor of Business Administration (BBA)
- Bachelor of Science in Information Technology (BIT)
- Bachelor of Business and Information Technology (BBIT)
- Diploma in Coffee Technology and Quality Management
- Diploma in Purchasing and Supplies Management (DPSM)
- Diploma in Business Administration (DBA)
- Certificate in County Governance and Administration
- Certificate in Coffee Technology and Quality Management

DeKUT Nairobi CBD Library



DeKUT Nairobi Computer Lab



The PhD programme has proved to be very attractive to students, thanks to its well thought out structure, which involve one year of course work and two years of research work. In addition, the PhD programme is supported by very highly qualified visiting Professors drawn from among top Universities in the world including Stevenson University (NJ), Aurburn University (AL) and University of Houston. The teaching and supervision is done by both visiting and DeKUT Professors, with Prof. Muruku Waiguchu, a highly accomplished scholar, as the main programme coordinator.

The MSc. in Geothermal Energy Technology is a unique programme in the country, which targets capacity building in the Geothermal sector of Electrical energy generation in the country. The programme was developed in collaboration with Kenya Energy Generation Company (KenGen) and Geothermal Development Company (GDC), making DeKUT the first university to teach Geothermal Technology, not only in Kenya but also in Africa. The programme is supported by both local and foreign Professors, with the aim of making DeKUT the regional center for Geothermal Training and Research.

The other key programme in Nairobi CBD Centre is MSc. in Industrial Engineering & Management which is equally popular owing to its uniqueness in building the capacity of practicing Engineers in areas related to systems design, systems operations, systems management and decision support for technical system. The programme is very popular with practicing Engineers from all fields ranging from Mechanical, Industrial, Electrical and Civil Engineers. The programme was developed in collaboration with the University of Leuven Belgium, from where some visiting Professors teach and supervise research.

The MSc. in Geospatial Information Science (GIS) and Remote Sensing has been necessitated by the rapid growth in geoinformation technologies and their wide ranging applications, catalyzed by advancement in space, computing, communication and instrumentation technologies. The target groups for this programme are professionals, involved in resource management and aspire to acquire or expand GIS and Remote sensing knowledge including but not restricted to: environmentalists, physical planners, Geomatic engineers, land surveyors, civil engineers and natural resource professionals or managers.

Our Bachelor of Science in Criminology and Security Management has been crafted to address the emerging need of managing security issues from the technological and scientific approach. It specializes in Security Management and Loss Prevention Technology; Criminal Investigation and Forensic Technology; and Cyber Crime and Computer Forensics. The target groups are professionals in disciplined and law enforcement forces and people involved in security management. The County Governance programme has been crafted to address the new challenges in running and managing a devolved government. The timing is just right as the country continues implementing the new constitution with devolution of Government functions and the running of the County Governments. DeKUT targets (potential) administrators in both the central government and county levels.

For a long time the coffee sector in the country has not received the special attention it deserves even as prices of the "black Gold" skyrocket. Indeed, expert attending a recent coffee conference in Kenya, project that prices of the beverage are set to remain high for at least the next ten years. The Diploma and Certificate course in Coffee technology and quality management offered at our CBD centre are expected to produce highly specialized manpower to place the country's coffee products a notch higher than competing Coffee producing countries. DeKUT has established collaborations with key players in the Coffee sector like the Coffee Board of Kenya and University of Wildau in Germany among others, with a view to offering relevant practical skills to our graduates.

The centre admits new students in January, May and September every year with both day and evening classes. The centre operates on trimester basis, making it possible for students undertaking an undergraduate programme to complete their courses in record three years. We look forward to continue offering quality education to our students in line with the University vision and mission.

For more details on our intakes, programmes, mode of study, fees or any other issue related to the centre, please contact:

THE DIRECTOR

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Prof. László Ungvári, President, Technical University of Applied Sciences (TUAS), Germany during his visit to DeKUT.



Prof. P.N. Kioni, Vice Chancellor DeKUT looking on during a commemorative tree planting ceremony by Prof. Ungvári.

DeKUT Collaboration with TUAS, Wildau– Germany

By Cate Muthoni

Prof. László Ungvári, President, Technical University of Applied Sciences (TUAS), Wildau, Germany together with Prof. Marcus Frohme seen with Prof. Ndirangu Kioni, Vice Chancellor Dedan Kimathi University of Technology. This was part of the collaboration going on between the two institutions.

Prof. P. N. Kioni, DeKUT Vice Chancellor welcomed the visiting professors and held discussions on a number of collaboration projects. One of the projects, which has already received funding from DAAD, is mounting of a double Masters degree in Mechanical Engineering. In this, students will take some of the courses at DeKUT and others at TUAS, Germany and upon meeting certain requirements obtain degrees from both institutions.

> **“One of the projects, which has already received funding from DAAD, is mounting of a double Masters degree in Mechanical Engineering.”**

Geothermal Training and Research Institute in Africa –

A Case for Dedan Kimathi University of Technology

By Dr. N.O. Mariita, Director of GeTRI



Background

The East African Rift Valley that runs through Eritrea, Djibouti Ethiopia, Kenya, Uganda, Tanzania, Rwanda, Burundi, Malawi, Zambia and Mozambique, including the Comoros, is endowed with enormous amounts of geothermal resources as manifested by volcanic eruptions and geothermal manifestations (hot springs, fumaroles, geysers). This indicates the presence of a remarkable geothermal potential in the region and therefore presents an opportunity for major geothermal power developments in these countries.

A good number of these East African countries have taken keen interest in the development of geothermal energy. Kenya is leading in the region in the development of this indigenous resource, largely due to government commitment and well trained workers. In fact, it is among the 1st ten countries in the world that generates electrical power from geothermal resources, currently standing at about 258 MWe. Apart from electricity generation, in Kenya the Oserian Development Company, a flower-growing firm, utilizes geothermal steam and carbon dioxide in its green houses.

Ethiopia follows Kenya in development of this resource. A 7.2 MWe net capacity pilot plant was installed in the country which operated for a short while before encountering operational difficulties that were essentially due to lack of appropriate field and plant management skills. In the last couple of years interest has again picked up. The Aluto Langano Power plant is being refurbished, more wells being drilled in this geothermal field and elsewhere in the country's rift valley.

Zambia has had a mini geothermal pilot binary power plant of 200 KW capacity since the 1970's which was installed on the basis of limited exploration work. The plant, however, never became operational due to lack of trained manpower. Plans are now in place to restore the plant and make it operational.

Djibouti has drilled about six exploratory wells in the Assal geothermal field and intercepted a very high temperature system. However, due to the high salinity of the encountered fluids, the resource development has been delayed, till funds are available to apply proposed technical solutions to the salinity problem.

Other countries in the region have carried various but limited reconnaissance surveys. The geo-scientific studies have resulted in identification of viable prospects in each of the countries which have been given priority for exploratory drilling. Rwanda is currently drilling its first exploration wells.

Although large investments have been made in training local personnel in geothermal exploration development and production activities, a substantial gap still exists between the demand for increased development of the geothermal resource and the ability of almost all countries in the region to accelerate development. While financing is a major contributor to this situation, lack of human capital cannot be ignored.

Need for a Geothermal Training and Research Institute in Africa

The international geothermal schools have played a major role in geothermal manpower development for third world countries especially Africa. Countries like Kenya and Ethiopia now have the capacity to carry out surface geothermal exploration, drilling and reservoir monitoring, and environmental impact assessments. Other countries like Uganda, Eritrea, and Tanzania have not yet attained the capacity to carry out exploratory work, successfully.

For quite a while, there were discussions on the possibilities of setting up a geothermal training centre (in one of the countries in the East Africa region) to offer training in all aspects of geothermal technology from exploration through development to power station operations. The second aspect of the training centre was envisaged to serve as a scientific and engineering instrument pool for use by Eastern African countries to promote geothermal energy as a cheap source of renewable energy. Finally, such

an institution would be used for data archiving. The data would include publications and reports on geothermal worldwide, activities in the region, an inventory of personnel with their expertise and available equipment in the region.

It was suggested that this sort of centre be established at a location that met several conditions, namely, (1) easy travel access by road and by air, (2) easy availability of trained staff in aspects of instrument maintenance and geothermal exploration and development, (3) easy access to known and well studied geothermal systems for training and testing of equipment as control and (4) the existence of some facilities that could assist the institute in quick take-off. From these considerations, Kenya was selected as a location that met most of the above criteria. However the exact location of the training and research institute within the country was not decided.

Dedan Kimathi University of Technology, being a chartered university of technology (Universities Act, 2012) has taken the challenge of establishing a Geothermal Training and Research Institute (GeTRI), which will train a new generation of geoscientists, engineers and business leaders in all aspects of geothermal energy production. GeTRI will contribute, through the education of graduate students, partnerships with industry and other training universities, in applying an interdisciplinary curriculum encompassing geoscience and engineering. The Institute is expected to become both the national and regional centre of excellence in geothermal training and research; offering the first-ever comprehensive programme that brings together world-class experts to teach all elements of geothermal energy from resource discovery to utilization, including drilling, reservoir engineering, plant design, environmental impact and applicable business principles. The curriculum has been developed in consultation with and direct involvement of KenGen, GDC and the Ministry of Energy.

For GeTRI to fulfil this training and research function several activities have taken place and more are planned. These include:

- ✓ curriculum development,
- ✓ approvals for the programme from the Commission for University Education,
- ✓ staff hiring (permanent, visiting professors and part-timers from GDC and KenGen),
- ✓ facilities acquisition,
- ✓ establishment of MoUs with both GDC and KenGen,
- ✓ initial exploration for possib ilities of collaboration with UNU-GTP, and
- ✓ development of a comprehensive business plan

“It was suggested that this sort of centre be established at a location that met several conditions namely: easy travel access by road and by air, easy availability of trained staff in aspects of instrument maintenance and geothermal exploration and development, easy access to known and well studied geothermal systems for training and testing of equipment as control and the existence of some facilities that could assist the institute in quick take-off.”

The Institute is proud to belong to one of Kenya’s youngest universities, offering the only geothermal postgraduate studies in Africa; programmes envisaged to be highly regarded both locally and internationally. The Institute is constantly seeking to expand its network of collaborators. For example, in 2012 DeKUT signed a Memorandum of Understanding with the Tanzania’s Mineral Resources Research Institute.

Trainees

In order for the centre to provide the required training needs for member countries in the East African region, two training levels have been considered, namely, (1) offer practical training on various aspects of geothermal technology. This would be appropriate for staff that is already trained in the technology and (2) theory and practical classes to those who do not have previous training in geothermal technology.

It is envisaged that KenGen and GDC staff who are currently being sent to training institutions abroad (e.g., Iceland and New Zealand) will undergo similar trainings locally, saving enormous amounts of money in foreign exchange. The programme is also open to students from the general public.

Since the first week of October 2013, a class of 20 students are attending the MSc. programme. The training takes place over weekends (Saturdays and Sundays 9am-6pm) each week at the university’s Nairobi CBD Campus. They students are drawn from both GDC and KenGen and are expected to graduate by the end of 2015.

Instructors

In the early 80’s Kenya had very few qualified personnel to handle the various activities of exploration and drilling. The country therefore depended mainly on expatriate personnel particularly in drilling operations. In recent times investment has been undertaken in training local personnel in geothermal exploration development and production activities. Currently, there are over 200 graduate professionals in KenGen, GDC and the Ministry of Energy. The majority of the former trainees are within KenGen and GDC, with qualifications ranging from post graduate Diploma, MSc. and PhD. These will be expected to play an increasingly bigger role as instructors with time as the programme evolves. Currently, GeTRI invites part-time lecturers from GDC and KenGen, experts from local universities and visiting professors from collaborating international universities. These academic staff are leading academics in their areas of research. This reaffirms our belief in constantly maintaining the high quality and relevance of our programme.

“Currently, there are over 200 graduate professionals in KenGen, GDC and the Ministry of Energy. The majority of the former trainees are within KenGen and GDC, with qualifications ranging from post graduate Diploma, MSc. and PhD.”

DeKUT to sign MoU with KTB *By Faith Mutheu*

Mr. Muriithi Ndegwa, CEO- Kenya Tourist Board (KTB) paid a visit to the Vice Chancellor of Dedan Kimathi University of Technology on 4th April 2014. The purpose of the visit was to set in motion the process for creating an MOU between the University and the Kenya Tourism Board.

Mr. Muriithi expressed the board’s interest in working directly with DeKUT to promote tourism in the county. Of much interest was the University’s potential for Agritourism and Birding. Dedan Kimathi University of Technology (DeKUT) has a large coffee farm and a coffee lab and even processes its own coffee under the brand name “Dedan Kimathi University Premium Coffee”. The KTB head noted that currently, there was no institution offering agritourism in coffee and that DeKUT could step up to fill this gap.

According to a bird mapping exercise conducted in the University’s expansive coffee farm, there are over 200 species of birds just within the university’s coffee farm alone. This according to Mr. Muriithi Ndegwa would be a novelty to bird lovers’.

The university also has a one of a kind conservancy which hosts a number of animals including lamas, wildebeests, zebras, and monkeys. The conservancy not only serves as a training ground for its students in the institute of Tourism and Hospitality Management but is also open to the public for camping. The university is also building a conference facility within the conservancy.

The MOU is set to be signed by mid May.

Making the Most of DeKUT Open Day *By Cate Muthoni*



Having a choice is great, but when it's a big decision like choosing a university, then high school students need a lot of research to be done. Open days can be an invaluable part of this. Dedan Kimathi University of Technology famously known as DeKUT opened its doors to prospective students onto the main campus to take a look around on Wednesday, 18th September, 2013.

This open day provided potential students with an initial opportunity to explore the campus and meet members of the University's departments and find out more about studying and living at DeKUT. The students were also able to meet various Deans, staff and current students, and found out more about different study programs and extra-curricular activities offered at DeKUT.

This first ever open day showcased the university at its best. Visiting DeKUT on an ordinary day in September was something completely different. The students were able to attend important one on one talks on their chosen subject and later had presentations on accommodation, finance and student life, as well as going on a walking tour of DeKUT facilities. The university tours were led by current students and this gave a good opportunity to hear what life at that University really was like.Prof. P.N. Kioni, Vice Chancellor DeKUT in his welcome speech and address encouraged most visiting students and teachers to use this opportunity to find out more about the programs they are interested in. He added that the candidates should talk to lecturers teaching the courses - and students, and get better ideas of how well it fits their own interests, and the kinds of options and experiences they should expect. "This was a good time to ask about how the course is taught - for example, is it mainly through large lectures, or will it also be taught in smaller groups? Is there any group work involved, field trips and so on?"said Prof. Kioni.

Prof. Kioni commended teachers for bringing their students for the open day and concluded by insisting that the potential students should checkout the other facilities on campus - student accommodation,cafeteria,sportsground, laboratories, farm and conservancy and so on – and as a result give students a better idea of what life is at DeKUT.



Linda, ITPS staff, explains to students from Bishop Gatimu Ngandu Girls. Looking on is Prof. Kioni.



Students from various high schools actively listening to presentations from different schools

Mt. Kenya Academy and Makuyu Boys High School Visit *By Faith Mutheu*

The academic tour took place on 18th Oct 2013 where we had two visiting schools Mt. Kenya Academy Senior School and Makuyu Boys.

This was an opportunity to share information with the visiting schools about our institution and showcase the university's facilities such as the ADMATC, library and the computer labs which was done through guided tour by the marketing and public relations team.

During the guided tour to our state of the art ADMATC the students had an opportunity to learn about various ultra modern engineering machines and how they operate. The Advanced Design and Manufacturing Training Centre (ADMATC) is established on a legacy of state of the art manufacturing capital equipment and high level of intellectual capital built on strong human skills. It was an exciting learning experience for most of the students who were interested in engineering courses.

STUDENT ASSOCIATION CONGRATULATORY MESSAGE



On behalf of the Student's Union and on my own behalf, it gives me a great pleasure to welcome our graduands and their guests to this 2nd graduation ceremony in the history of Dedan Kimathi University of Technology.

I take this opportunity to express my most sincere congratulations to our graduands. Your accomplishments - the fruits of years of toil - is a significant achievement which would not have been possible without the support and encouragement of your parents, spouses, friends and sponsors, who sit proudly in our audience today. May I also express my sincere appreciation to the University Administration for assisting you in achieving your educational and life journey during these defining years, and for continuing to make this university a place of excellence and fine achievements.

University education, intellectual endeavor and world-class educational facilities are not only the preserve of the rich, but of all our citizens, including the poor and the marginalized. This is a proud cornerstone of this Premier University of Technology and its founding institutions:

We are all pleased that Dedan Kimathi University of Technology is excelling well beyond expectations. Our programmes enjoy full accreditation by the Commission of Higher Education, and we continue to place emphasis on academic excellence and the nurturing of personal values and ethics that will become the standards of our communities, government and the corporate World.

Thanks to the University Management for continuing to improve the teaching, learning and research facilities so as to create the very best environment for our academics.

As graduates you have had the honor of studying at a fine university, one that deservedly commands an enviable academic reputation. I hope that during your time here you learnt the valuable lesson of rethinking education – in all of its facets. You are now part of an elite group of the graduate population of Kenya and beyond that have obtained academic or career focused qualifications in a higher education

> **"As graduates you have had the honor of studying at a fine university, one that deservedly commands an enviable academic reputation."**

environment that mirrors the democratic ideals of the world. I hope that during your time here, you experienced independence in decision-making that has made you the woman or man that you are today. That during your years at Dedan Kimathi University of Technology, you found yourself immersed in a multi-cultural environment that challenged and inspired you. That you forged friendships strong enough to last you a lifetime; gained skill sets that you will build on continuously; and take away unforgettable experiences and memories.

Today, as you receive your qualifications, you will hold in your hands the key to the door of your future professional success. This is your achievement but you should always remember the sacrifices others have made to ensure that you stand here today. As future leaders, I trust that the leadership qualities that you demonstrate in the future will reflect the values that you have nurtured during your years at this University, values which subscribe to the highest levels of academic distinction, academic freedom and accountability; values that encourage innovation, individuality and collective effort. And, values that strive to promote integrity and respect for diversity and human dignity. Notice a world beyond yourself and put these values into practice by serving the less fortunate members of society. Through service, citizenship is meaningful and dignified. Where there is inequality and injustice, we need you to work for opportunity and equity.

At a time of so much uncertainty and cynicism, let us work even harder to nurturing confidence, hope, optimism and trust as we build our communities and nations, as we nurture our collective competence, and as we challenge and drive out corruption in public service, and in private and corporate life.

Today is your day, to remember, to celebrate and cherish. No doubt the parties will extend long into the night and there will be much merriment.

You have earned it and I wish you success in your endeavors. God bless you.

Mr. George Mosi *(BSC. Mechatronic Engineering-Ongoing)*

Students' Union President



Dear graduands

I am deeply elated to join with so many others to offer my congratulations to you on this great achievement. You have indeed reached another milestone in your life's journey that majority of you embarked upon it almost half a decade ago. This though has culminated in your entitlement to the award of a certificate in your respective fields. Indeed it is very gratifying when hard work and dedication pays off. The stage has now been set for you to venture unto a new, more dynamic and perhaps more challenging path where the world now awaits you no longer as students but as professionals. The most important thing to note is that your pursuit of excellence in all your endeavors however doesn't stop here as hard work, patience and resilience continues. Always be good ambassadors of this great Dedan Kimathi University of Technology by putting what you've learnt into practice to prove that you're worthy of your achievement. I hope that society will feel the impact of the quality of your input and I strongly believe that this will spread like ripples of a pebble in a pond because we are simply the best. And since I would like you to grow with us, it's my humble request that you all join our ALUMNI association so that we can actualize the university's mission and vision together.

I end by quoting one Steve Jobs ...''no one wants to die. Even those who want to go to heaven don't want to die to get there. And yet death is the destination we all share. No one has ever escaped it…it clears out the old to make way for the new. Right now

> **"no one wants to die. Even those who want to go to heaven don't want to die to get there.**

you're the new, but someday not too long from now, you will gradually become the old and be cleared away…your time is limited so don't waste it living someone else's life…have the courage to follow your heart and intuition…everything else is secondary' 'God bless you, God bless Dedan Kimathi University of Technology, God bless our nation Kenya.

Amen.

The writer is Kipkirui Koech Japheth the Secretary General of the student union

DeKUTSO taking *BSc. Actuarial Science*

Dedan Kimathi University of Technology Holds its First GIS DAY

DeKUT held the GIS Day on 8th September 2013 which was an open day for people from the students and the industry to demonstrate applications areas of GIS. GIS Day provides an international forum for users of geographic information systems (GIS) technology to demonstrate real-world applications that are making a difference in our society and showcase recent technologies.



V.C Prof. Kioni addressing the participants.

The DeKUT GIS Day, which was an initiative of both the students and members of staff of the Institute of Geomatics, GIS and Remote Sensing (IGGReS) provided a forum for people to learn about geography, build and nurture GIS community, explore the benefits of GIS and uses of GIS. The yearly event was attended by university students, secondary schools students, DeKUT staff community and the members of the public, to learn about GIS applications and impacts in the society.

GIS is a rapidly developing discipline, and is applied in order to address problems and offer optimal solutions in an increasing range of applications where spatial, location and position based information is important. GIS includes sustainable environmental and natural resources management, exploration and mining,

> **GIS and Remote Sensing (IGGReS) provided a forum for people to learn about geography, build and nurture GIS community, explore the benefits of GIS and uses of GIS.**



DeKUT staff members and visitors wearing DeKUT GIS day T-shirts.

land ownership, urban and regional planning, facilities and utilities management, asset management, health planning, demographic marketing etc. Indeed, over 80% of all data handled today is location and position based or associated.

Dedan Kimathi University of Technology offers two programs, Geospatial Information Science and Geomatic Engineering and Geospatial Information Systems in line with growing the GIS community in the world. The two programmes not only place emphasis on modern techniques of geodesy, digital mapping, remote sensing, cartography, Geo-information, Satellite Positioning such as Global Positioning System (GPS) but also offer adequate foundation on traditional geo–information data acquisition and processing techniques.

The day was a big success with support from Esri Eastern Africa who not only demonstrated latest technology in the market but also provided GIS Day Materials. In his speech, the Vice Chancellor of DeKUT Prof. Ndirangu Kioni asked the department to align its research in addressing the regional issues within the country which will impact directly to the local people. Prof. Gachari emphasised on the huge applications of GIS in agriculture, county management, transport, KRA revenue collection among others.

Compiled by (Mr. Kuria Thiong'o, Ms. Mary Wandia, Ms. Caroline Gikwa, Ms. Josephine Wanjiku, Dr. David Kuria, Dr. Charles Ndegwa, Dr. Murimi Ngigi, Mr. Marsden Nyaribo, Mr. Julius and Mr. Eric Kathurima)

DeKUT ranked highly in the Central ASK Show *By Lucy Kangara*

The Central Kenya ASK fair opened its gates on Wednesday, 11th September, 2013 and was officially opened by the Deputy President H.E. William S. Ruto on Friday, 13th September 2013. During his address, Hon. Ruto commended all exhibitors for excellent interpretation of the 2013 theme: "enhancing technology in Agriculture and industry for food security and national growth" and encouraged farmers and exhibitors to embrace technology in the agriculture sector.





The DeKUT Stand won the following Trophies in the just concluded Central Kenya ASK Show held on 11th- 14th September, 2013 at Kabiruini grounds in Nyeri County.

- 1st Prize -The Branch Chairman Commendation
- 1st Prize -The best stand-best interpretation of current theme (Research based)
- 2nd Prize -The best Engineering Based Institution of Higher Learning
- 3rd Prize -The best University Stand
- 3rdPrize -The best stand Embraced Information Technology & Communication System.

Pictorials

1st Graduation Ceremony 17th May 2013

















1st Graduation Ceremony 17th May 2013 Cont...










2013 University Events











2013 University Events Cont...









ACTIVITIES FROM RTMCL (DEPARTMENT OF COLLABORATIONS AND COMMUNITY LINKAGES *By Lucy Kangara*

MR. AND MISS TOWA AMBASSADORS

Dedan Kimathi University of Technology through the department of Collaboration and Community linkages organized Mr. and Miss TOWA (Total War Against HIV/AIDS) ambassador event. The event took placeon 23rd October 2013. The Mr. and Miss TOWA event was aimed at celebrating beauty in a unique style and creating awareness on different issues directly associated with HIV/AIDS. At the end of the event two winners were crowned (Male and Female) and their roles among others are to:

- Provide quality HIV/AIDS education,
- Provide peer education to colleagues
- Provide accurate information on common myths about HIV and AIDS, especially among young people, who need to be aware of the facts about HIV
- Articulate issues related to stigma and discrimination, positive living, gender based violence, reproductive health and methods of protection against sexually transmitted infections.

The event was graced by DeKUT Vice Chancellor, Deputy Vice Chancellor RTMCL and Deputy Vice Chancellor Academic Affairs.

The Vice Chancellor gave a speech on the role young people can play to protect themselves against contracting HIV and AIDS especially within an institutional set up.

This activity was also meant to empower young people to protect themselves from HIV and AIDS. Dedan Kimathi University of Technology recognizes that it must invest in young people - bring them to the table not only as partners, but as leaders that can truly turn the tide of the HIV and AIDS. Only by fully investing in young people - their health, education, and leadership - can we reach an AIDS-free generation. Peer-led interventions reach large numbers of youth; they can be effective in changing community norms, connecting youth to services, and distributing HIV prevention resources which is expected of the TOWA ambassadors.



Miss Towa 2013/2014 receiving a crown from Dr. Mutea

Kahawa Youth Initiative Forum (KYIF)

Dedan Kimathi University of Technology (DeKUT) and Coffee Development Fund (CoDF) organised the first annual Kahawa Youth Coffee Conference that was hosted at the University from Jan 9th–10th , 2014. A wide range of stakeholders and farmers in the coffee industry engaged in presentations on various topics that highlighted the importance of engaging young people and revitalizing this crucial industry. The large turnout of actors from academia, non-governmental organizations and government bodies, demonstrated that national and local collaborations and partnerships are indeed necessary in order to improve the coffee sector.

The theme of the conference was ***"Involving the Youth in Coffee." What is the best formula?*** **Presentations focused on challenges and opportunities for the youth along the coffee value chain, investing and financing the youth, training and capacity development for youth in coffee. Other topics were management capacities, DeKUT's coffee curriculum, composting, and the cost of production and a discussion on the way forward. Many experiences and viewpoints were expressed, and the issues of engaging youth in the coffee industry, best management practices for co-operative societies, growing domestic consumption were major areas of interest.**

The two day event provided a valuable forum for over 100 participants composed of mainly young people of Kenya with special interest in coffee chain to engage with each other. Policy makers, Farmers, technicians, consultants and academicians engaged in lively debate discussing ways forward in coffee farming and processing. A tour of DeKUT's coffee cupping lab provided an opportunity for farmers to see firsthand a valuable resource that can be used for quality improvement.

All participants came into a conclusion that coffee is a major source of employment, income and livelihood for so many Kenyans and that fundamental shift in the way the coffee business operates is needed.

More research, training, and collaborations are required to establish Kenyan coffee as a major player on the international market, rightfully taking its place among the premium, high quality coffees that are produced around the world.

DeKUT and its collaborating partner CoDF on their part have taken up the challenge of being part of this mission by placing the improvement of the coffee sector as their contribution towards Vision 2030. By hosting the first conference of its kind in the country, DeKUT and CoDF has demonstrated leadership and the will to engage in dialogue with other industry leaders to build an innovative, equitable, responsible, and sustainable industry that will be carried forward by future generations.

This first annual Kahawa Youth Coffee Conference established the means for the way forward. Future annual conferences will no doubt provide the same impetus for positive change.

During the four days, DeKUT through the exhibitions and other related activities show cased different departments, schools and institutes usingmodern technology to promote excellence in agriculture, engineering and sciences.







International Conference on African Liberation Efforts

By Cate Muthoni

"Every country that has been colonised by another has had its own journey of liberation that it must never forget. Kenya's journey for liberation from colonialism has lasted more than a hundred years and she has yet to reach the Promised Land. Kenya's journey for liberation has come in phases and cycles of struggle, liberation and betrayal," said Hon. Koigi Wamwere during the first International Conference on African Liberation Efforts at Dedan Kimathi University of Technology.

Today, if we are serious about uniting Kenyan people and Kenya, we must accept the mission of the Kenyans, who participated in the liberation struggles and efforts which included the eradication of imperialism in its present neo-colonialist form, the establishment and the consolidation of the Kenyan nation. As a result, Dedan Kimathi University hosted international and national scholars to discuss liberation movements and the unsung heroes and heroines like the late Dedan Kimathi Waciuri from 19th – 21st February. This is because the real history of liberation had not been told and the actual custodians who are the aged freedom fighters in their sunset years may not live to tell and archive the story.

> *"Today, if we are serious about uniting Kenyan people and Kenya, we must accept the mission of the Kenyans, who participated in the liberation struggles and efforts which included the eradication of imperialism in its present neo-colonialist form, the establishment and the consolidation of the Kenyan nation."*

Among the scholars were Prof. Tabitha Kanogo- a history lecturer at the University of California, Berkley; Prof. Lawrence Njoroge who expounded on democracy since 1990s leading to freedom; Dr. Mathew Theuri who took the participants through "Dedan Kimathi the Person". Other speakers included Maryann Theuri, Dr. Jack Githae and representatives from University of Toronto, KEMU, Maseno, Karatina, Riara, Moi, KU, JKUAT, Masai Mara, and JKF among others.

Dedan Kimathi University of Technology is set to establish a Mau Mau education centre. Speaking at the university during the conference,Vice Chancellor Prof. Ndirangu Kioni said students have shown "great interest" in the history of struggle for independence. "The main objective of the centre is to serve as a repository of educational and research materials covering the Mau Mau period. This centre will have a conference room, museum and a library at the heroes garden/corner,"he said.

Prof. Kioni said a heroes' garden with statutes of notable liberation struggles heroes and heroines will be put up in their honour. He said a fund will be established to support studies on African liberation movements and provide scholarships for orphaned destitute children.







QUALITY STAFFING FOR NATIONAL HUMAN RESOURCE CAPACITY BUILDING

By Violet K. Murungi

At the picturesque view of the magnificent Mt. Kenya, and neighboring the Aberdare mountains range, lies Dedan Kimathi University of Technology, the hub of quality education, research and technology transfer. As you get through the gates of this institution, the clear view of Mt. Kenya is such a breathtaking sight to behold. It is this serene environment that is ideal for molding and empowering the students to academic excellence. The serene environment notwithstanding, DeKUT strives to ensure that all resources (human, technical and financial) are availed in order to achieve the core activity; building capacity of future intellectuals and competent human capital.

DeKUT now boasts of phenomenal transformation since its transition from an Institute of Technology to a University College and now a chartered University of Technology. This transformation is witnessed in regard to high quality facilities, the impressive infrastructure, local and international collaborations, as well as highly qualified staff with desirable competencies. All these resources have set a firm foundation, instrumental for the intellectual development of students.

> **"The world over, human capital has been said to play an important role in any organization's performance and excellence thereof. This is because it bears the knowledge, experience and expertise that are critical in creating competitive advantage for the organization."**

The world over, human capital has been said to play an important role in any organization's performance and excellence thereof. This is because it bears the knowledge, experience and expertise that are critical in creating competitive advantage for the organization. However, globalization, technological advancement, socio-economic progress and establishment of numerous organizations and institutions keep on changing rapidly, posing a great challenge of staffing to employers. It is therefore commendable that DeKUT has strived to create a competitive edge by investing in recruitment and management of highly qualified staff with desirable competencies.

The number of staff in the University currently stands at 452, comprising of 145 teaching staff and 307 non-teaching staff. The teaching staff comprise of 6 professors and associate professors, 27 Doctor of Philosophy holders and 118 lecturers and assistant lecturers in the various schools and institutes. The University has also endeavoured to recruit internationally and has attracted 9 adjunct professors in the schools of Engineering, Business Management and Economics, and in Geothermal Training and Research Institute, who have been instrumental in anchoring post-graduate programs and research supervision. The adjunct professors have also brought on board international exposure, experience and expertise for purposes of international benchmarking of DeKUT programs and adoption of best practice in teaching and research. The non-academic staff comprise of Senior Level Management, Middle Level Management and support staff in various cadres who continue providing the critical support, necessary for continuance of smooth operations.

DeKUT has enjoyed the visionary leadership of Prof. P. N. Kioni for close to five years, whose leadership has witnessed the transition of Kimathi University College of Technology to Dedan Kimathi University of Technology. Working closely with him are the Deputy Vice Chancellors, Prof. M. K. Gachari for Administration and Finance, Prof. G. K. Muthakia for Academic Affairs and Prof. P. M. Wambua for Research, Technology Management and Community Linkages. Their leadership has seen the students' population grow from 500 in 2007 to the current population of 5,200, as well building of the competitive workforce.

Dedan Kimathi University of Technology therefore prides herself in her ability to attract, recruit and retain highly competitive staff in all cadres, who together as a team, have steered the University to great levels of growth, expansion and capacity building by sending out into the market, highly competitive graduates.

Hail Dedan Kimathi University of Technology, our employer of choice, our pride!!

POLICY APPROACH IN ASSET MAINTENANCE

By Peter N. Muchiri



What is your reaction when you drive on a highly dilapidated road or drive in a poorly maintained vehicle or inhabit a house that is in a shabby state? The first reaction is that of neglect, run-down, tumbledown, with all clear indications that the asset in question is not well taken care of... or technically speaking, *"poorly maintained"*. So, we may start by asking ourselves 'What is Maintenance? Why is Maintenance important? And which policy approach can we employ to ensure the assets are well maintained?

It is worth noting that the deterioration of assets' condition begins to take place as soon as the asset is commissioned and operational. In addition to normal wear and tear, other failures may occur especially when the assets are pushed beyond their design limits or wrongly operated. As a result, asset failure, safety hazards, quality issues, productivity losses, cost ineffectiveness, customers dissatisfaction or environmental pollution become the obvious outcomes.

Maintenance is defined as the *"combination of all technical and associated activities required to keep an equipment, installations and other physical assets in the desired operating condition or restore them to this condition"*. The role of maintenance could be well defined by the four objectives it seeks to accomplish; (a) ensuring asset functionality, (b) increasing asset life, (c) ensuring asset shine, (d) ensuring safety. For most assets, ensuring functionality is the prime objective of maintenance function. Here, maintenance has to provide the right reliability, availability, efficiency and capability to function in accordance to the need for these characteristics. Ensuring system life refers to keeping assets in proper working condition, reduce chance of condition deterioration, and thereby increase its life. Maintenance for ensuring equipment shine has no direct economical or technical necessity but primarily a psychological one of ensuring the equipment or asset look good. A good example is painting for aesthetic reasons. The last, but very important objective of maintenance is to ensure safety of all assets. Here, maintenance has to prevent significant deterioration or deviation in asset operation, which can threaten not only the functionality but also safety and to return the asset to full functioning after breakdown or disturbance.

Maintenance Policies

Maintenance policies outline the rules or set of rules for triggering maintenance actions. These maintenance actions may be corrective, when the failure has already occured, or precationary actions, which are carried out to deter failure. Different types of maintenance polies can be employed based on the critically of the asset. The criticality can be based on the technical aspects, for example where failure would result in very severe consequences, or based on economic consideration where failure would cause huge financial losses. This is particularly evident in the failure of manufacturing equipment.

We can classify maintenance policies in the following five general categories: *passive* policy, *reactive* policy, *preventive* policy, *predictive* policy or *proactive* policy. Further, several types of maintenance policies can be considered to trigger, in one way or another, either precautionary or corrective maintenance interventions. These policies are mainly Failure-based maintenance (FBM), Time/Used-based maintenance (TBM/UBM), Condition-based maintenance (CBM), Design-out maintenance (DOM) and Opportunity-based maintenance (OBM). The kind of policies adopted for an asset or for specific equipment has great impact on maintenance activities, productivity, and safety. Let us briefly look at what each policy represents;



Figure 1: Policy levels in Asset Maintenance

Opportunity-based maintenance (OBM) is policy where maintenance action is only carried out if an chance arises. For example, a car taken to the garage for oil change can use the opportunity to inspect and fix the suspension system or other potentially faulty parts. This is a ***passive policy,*** since no maintenance plan is developed. Maintenance only happens when an opportunity arises because there is a maintenance intervention for another component of that machine.

Failure-based maintenance (FBM) is a purely ***reactive policy*** where maintenance is carried out only after breakdown has happened. While this policy may be appropriate for components such a bulb, it may be very risky for other systems to the potential of secondary damage and safety hazards. For example, a car tyre failure may lead to rim damage or a serious accident. Reactive maintenance is also a recipe for safety hazards as some past statistics may tell us. In a reactive situation, you might not take time to plan and think before you take action due to urgency and thus some things are likely to be done in an inappropriate manner.

Time/Used-based maintenance (TBM/UBM) is a ***preventive policy*** where maintenance is carried out at specified time intervals. For UBM, intervals are measured in working hours while in TBM intervals are in calendar days. In between PM actions, CM actions can be carried out when needed. The preventive approach is applied if the failure cost is higher than preventive cost, or if it is necessary because of criticality due to the existence of bottleneck installation or safety hazards issues. Also in case of increasing failure behaviour, like for example wear-out phenomena, preventive policies are appropriate. However, preventive policies are not able to foresee failure and are therefore not able to reduce the failure probability or potential safety hazards.

Condition-based maintenance (CBM) is a ***predictive policy*** where maintenance is carried when a measurable condition, which can signal the probability of a failure, is sighted. This is comparable to 'intelligence' gathering on the condition of the system. Forexample, vibration measurement can clearly indicate the start of a failure mode in rotating components like bearing. Other technologies used in predictive maintenance are; oil analysis; Thermographic analysis, ultra sound analysis among others. Moreover, the use of fairly low-level technics such as checklists, together with human senses (visual inspections, detection of "strange" noises in rotating equipment, etc) can help detect potential problems and initiate PM actions before the situation deteriorates to a breakdown. These helps in mitigating failures, long before they occur and give maintenance staff some adequate time to prepare precautionary actions.

Design-out maintenance (DOM):- While FBM, TBM, UBM and CBM are used to maintain the physical assets, there is a need to look for the possible design changes that may avoid maintenance in the first place. This ***proactive policy*** is referred as design-out maintenance (DOM). This policy implies that maintenance engineering is proactively involved at design stage of the equipment to solve potential problems in relation to maintenance and safety. Ideally, DOM policies intend to completely avoid maintenance throughout the operating life of installations, for example the design of airless tyres for aircrafts to ensure there is no tyre burst during landing. As a consequence, equipment modifications are geared either at increasing reliability (by rising the mean-time-between-failures) or at increasing the maintainability (by decreasing the mean-time-to-repair when the equipment fails) or increasing equipment safety.

In conclusion, we see that various policy approaches demand for different level of planning, preparedness, investment, expertise and technology among other managerial factors. We also see an increasing level of sophistication in planning for the various levels of policies (see figure), from the passive policy, which has basically no maintenance plan, to proactive policy, where performance results are derived from careful and thorough analysis, design and implementation. How much true could the model apply to other areas of management?

Dr. Peter N. Muchiri holds a PhD in Mechanical Engineering from the University of Leuven, Belgium and is a senior Lecturer in the School of Engineering in Dedan Kimathi University of Technology(DeKUT).
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DeKUT University Library:
Enhancing Technology through Digitization & E-resource Access

By Fredrick Otike, University Librarian

As the world becomes increasingly digital so are the libraries, with the invention of the internet, libraries have been forced to undergo many changes so as to be relevant, this has been done mainly by digitalizing projects and other informational materials to make library holdings available to library users and to develop new library services based on digital library materials.

Libraries today are no longer visualized as clusters of formidable looking walls and shelves housing innumerable treasures of knowledge, rather they are now wall-less and have transformed and evolved themselves to be better suited to the demands and needs of changing times. With the rapid advances in information and communication technologies, libraries are increasingly consolidating their positions as repositories of most up-to-date information, and as disseminators of most of the relevant information content to their users.

Libraries have traversed a long way since their very inception with even digital libraries no longer being a figment of the imaginations. Such changes therefore have heralded a new age information access, presenting its own advantages as well as challenges. The advance in technology has been so fast that librarians are now concerned about their role which is increasingly becoming dependant on Information Communication Technology.

As a University of Technology Library, DeKUT Library has no option but to keep up with speed and change with time. The University library is geared towards embracing advanced Technology so as to service its clients efficiently. The University library started by adopting e-books for its library users and currently the library has access to over 500,000 volumes of e-books. These books can be downloaded and accessed from anywhere, both within the University and out of the University.

In the year 2013 the University Library implemented a digital repository system using Dspace software, the digital repository is used to store and to disseminate thesis, research works, books and academic articles of Dedan Kimathi University of technology. With the implementation of the digital repository system, the University library has been listed in the Directory of Open access Journal (DOAJ) the Directory lists worldwide institutions which embrace and promote open access resources.

The Digital repository plays an important role in an Institutions it increases visibility/showcasing research output; improve access to local publications; enhance research sharing to enable new research to be build on earlier findings; reduce duplication; attracts research funding and improves web metric ranking of institutions, it is no doubt that the implementation of the digital repository is one of the reasons the University performed well in the recent 2014 Web metrics ranking.

As our PhD and Master graduands graduate today, their thesis and research work will forever be read and accessed worldwide as they are now in our digital repository which is on the worldwide web. This will therefore encourage other graduands to build confidence in conducting research and also using the current thesis and research works as a "stepping ladder" to further advance studies and researches.

Another milestone that the University library has done is the implementation of Quick Response Codes (QR). The University library is one of the first libraries in Kenya to adopt this technology courtesy of our innovative and dedicated librarians. The QR code is a quick response barcode that can be scanned using web camera or smart phone. The use of QR Codes is set to change how users of the library use the library it is a technology that the library is

currently implementing whereby the QR codes are used to locate information resources that are linked or in duplicate, for example, with the subscription of e-books the library has duplication of resources some physical books are also available as e-books. With the use of QR codes on physical books library users can easily be linked to the e-books which are easier to use and access rather than borrowing the physical books that have limitation in regards to borrowing and access.

QR code for a physical book & e-book in the library

The above QR Code if scanned will link directly to an e-book in the library

To access these services library users will need to have smart phones, there are also plans for the University Library to purchase scanning devices for library users. The use of QR code is set to be officially launched later this year, 2014.

Advancement of Technology makes access to information much faster and easier, however for any institution to enjoy the advanced technology there is need for commitment and sacrifice just as DeKUT library is experiencing. These technological advances being undertaken by DeKUT library are geared towards achieving the University's vision of being a premier technological University excelling in quality education, research and technology transfer for national development.

One behalf of all the University library staff we congratulate all the graduands and wish them success in their future careers.









DeKUT hosts a National Engineering Conference

By Cate Muthoni

Kenya Society of Electrical Electronic Engineers (KSEEE) in conjunction with Japan Society of Applied Electromagnetics and Mechanics (JSAEM), Jomo Kenyatta University of Agriculture and Technology and Dedan Kimathi University of Technology organized an annual KSEEE International Conference on 4th and 5th September, 2013. This conference brought together research from Academia, Industry Policy makers and other stakeholders together to share their expertise and experiences.

This year's theme "Engineering and Technology as a key Driver for Sustainable Development" was carefully selected to stimulate the Conference participants into relating their expertise in the field of engineering to the long cherished dream of Sustainable development in Kenya and in other countries which find themselves in a similar situation like Kenya.

In the 2013 conference, thirty five research papers, policy papers and application oriented papers were presented during the two day conference that was officially opened and addressed by Eng. J.M. Riungu, Chairman- Institution of Engineers of Kenya (IEK). Eng. J.M. Riungu concluded by informing the participants that engineering and technology are the key drivers for sustainable development in Kenya and globally.

Prof. N. Kioni, Vice Chancellor of DeKUT welcomed all participants of the KSEEE conference which was hosted at Dedan Kimathi University of Technology by the School of Engineering. During his address, he commended the organizers, and particularly the DeKUT committee, of Juma Wabwire, Asaph Mbugua and Luke Otieno among others for their considerable effort to make the international conference a success.

The conference was also attended by Prof. Minoru Sassaki, who represented JSAEM and Prof. Saito who has attended every KSEEE conference since its inception in the late 1980s. The Chairman of the KSEEE, Prof. Ndichu Nderu also announced that the next conference will be at Technical University of Mombasa.



KSEEE Conference Participants at DeKUT

Vision Statement

To provide academically stimulating, culturally diverse and quality learning environment that engenders research, innovation and technology development towards producing relevant human resources and leaders to contribute to attainment of national development goals.

Mission Statement

A Premier Technological University Excelling in Quality Education, Research and Technology Transfer for National Development.

DEDAN KIMATHI UNIVERSITY WILDLIFE CONSERVANCY



About the Conservancy
Set in a 140-acre piece of land and the only conservancy in Kenya owned and managed by a university.



What we offer
Camping, guest rooms and cottages accomodation
Guided nature, birds and game walks with experienced rangers.
Education and research
24-hour customer care



Why visit Dedan Kimathi University Consevancy?
You are guaranteed of enjoying the gifts of nature in an environment where traffic is not an issue and hence you are treated with this rare chance of learning, watching game and sleeping and walking with no distubance.

Location
At Dedan Kimathi University main campus, in Nyeri County and only 2hrs drive from Nairobi

Contact Person
Director, Institute of Tourism & Hospitality Management

VISIT US AND YOU WILL NEVER REGRET IT!



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