



# THE Flashlight

MAGAZINE



*A Publication of the University of Embu*

**SPECIAL  
Souvenir  
ISSUE**

## **3<sup>rd</sup> GRADUATION CEREMONY & INSTALLATION OF 1<sup>st</sup> VICE-CHANCELLOR**



# **Fundamental** Statements

FUNDAMENTAL STATEMENTS

## **Our Vision**

A dynamic epicentre of excellence in training and research for service to humanity.

## **Our Mission**

To generate, advance and disseminate knowledge through training, research and innovation for the development of humanity.

## **Philosophy**

Enhancing human capacity for societal development.

## **Our Core Values**

Integrity  
Innovativeness  
Professionalism  
Customer focus  
Teamwork

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## The future is in our hands

In this edition of the Flashlight Magazine, we feature various revolutionary events that have had a tremendous impact internally and externally, which are evident enough that we live true to our philosophy of enhancing human capacity for societal development.

One of the main achievements of the University is the development of major infrastructure that would enhance excellent service delivery. These include: a spacious, modern and well equipped Library and Administration Block that will accommodate staff members; and part of it will be used as lecture halls.

Another major achievement is the certification to Information Security Management System based on ISO 27001:2013 and recertification to ISO 9001:2015 which validates the University's unrelenting adherence to best practises and processes.

Giving back to society is ethical for any organization. The University of Embu has taken this position seriously and through the efforts of key University personnel, establishment of an endowment fund is underway and its success will see many needy students benefit. What is your part in this as an individual? Each one of us is called upon to support this noble cause.

The enthusiasm with which these developments have been received by students, staff and the community is amazing. It's clear that the University of Embu is committed to quality and excellence at every stage of service delivery. We are all happy to serve and we actually are more than grateful to have the opportunity to do so.

We are proud of our students who from this graduation day, turn to graduates with a vantage position. To our graduates, whom we confidently release to the market, we urge you to remain innovative, spread your wings, touch hearts and brighten your corners; for these are the strongholds you have been equipped with through training at the University of Embu.

The Editorial Team also takes this opportunity to congratulate the VC Prof. Daniel Mugendi on his installation as the 1<sup>st</sup> VC of UoEm.

May God bless all of you. May God strengthen our University.



**Ms. Margaret Otolo,**  
Registrar,  
Vice-Chancellor's Office



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Chairman, Dept. of Educational  
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# Message by the Chancellor

It is my pleasure to join the University of Embu fraternity during this historic occasion of the 3<sup>rd</sup> Graduation Ceremony. Today, we are here to celebrate these young men and women who have dedicated time and energies to transform themselves, the Country and the entire world through education. Graduation ceremony is one of the most significant and meaningful occasions in the University's calendar.

I would like to note that people who succeed have momentum. The more they succeed, the more they want to succeed and the more they find a way to succeed. Similarly, when someone is failing, the tendency is to get on a downward spiral. I would like to acknowledge the determination of our graduands in their endeavour to pursue excellence not only academically but holistically. The most important thing in your life is to live a life of integrity, and not to give in to peer pressure and try to be something that you're not. The function of education is to teach one to think intensively and critically. Intelligence and character are the ultimate goals of true education. I have no doubt that each one of you has been motivated by a sense of duty and accomplishment to your family and Country; a belief that you have something positive to contribute to the development of this Nation and a will power to resist the negatives.

I urge all those who are graduating today to uphold values of honesty, integrity, and accountability in your professional development. Hold dear, the family values, professional ethos and be focused on your work. Remember we are sending you out there at a time when the Nation is confronting its ugly past. Runaway corruption over the years has created unstable, uneven and unpredictable systems through which resources and values were shared. Go out there and help restore this new order. Make us proud!

Over the years, the University of Embu has continued to scale higher heights as it seeks to find its niche as a global leader and an epicentre of excellence. It is in pursuance of excellence that we are also celebrating certification to ISO 9001:2015 Quality Management System (QMS) and ISO 27001:2013 Information Security Management System (ISMS). These landmark achievements are meant to propel this Institution to a world-class status.

Today, we are also witnessing the installation of Prof Daniel Mugendi Njiru as the first Vice-Chancellor of the University of Embu. I take this opportunity to congratulate



**PROF. PAUL MUSILI WAMBUA, MCI Arb.**  
LL.B. (Nbi); Dip. Law(KSL); LL.M. (Lon); MBA (USIU); LL.D (Ghent)  
Chancellor, University of Embu

Professor Mugendi for his appointment as the new and the first Vice-Chancellor of the University of Embu. His installation as the Vice-Chancellor ushers in a new era in governance and leadership of the University. Prof. Mugendi is a seasoned university manager and brings a wealth of experience to the University of Embu. I wish to personally thank him for the job he has done so far in bringing the University of Embu to its current level of development as the pioneer Principal and now as the Vice-Chancellor.

As the Chancellor of this University, I will endeavour to give the Vice-Chancellor all the support to catapult this University to be among the great institutions of higher learning in the world.

I wish also to appreciate the role played by the University Council under the able leadership of the Chairperson Dr. Margaret Gikuhi. Under the mentorship of the Council, the University has made great strides and today, it is a land mark in this region.

The University of Embu will continue to deliver its teaching and research mandate with special focus on the Big Four agenda of the Government and Vision 2030 blueprints for development of the Country.

Let us consolidate and harness our synergies with the Council, University Management, members of staff and students to realize our vision of being a global leader and an epicentre of excellence in training and research. We share and celebrate your achievements.

**Once again, congratulations to the Class of 2018.  
Go change the World!  
God Bless you.**



**DR. MARGARET M. GIKUHL,**  
B.Ed (Arts) (UoN), M.Ed. Ph.D, Ed. (CUEA)  
Chairperson of Council, University of Embu.

# Message by Chair of Council

of individuals and the culmination of a hard journey towards academic excellence. This graduation marks the end of a journey that seemed too hard, when you run into a chorus of cynics who told you that you're being foolish to keep believing you can do it, or that you should just give up. The end of this journey marks the beginning of yet another one and I pray that you succeed in the next one too.

To the University, this is a mark of growth as we have nurtured and equipped these graduands over the years and we are confident that we are releasing them to the world to make a positive impact. We hope that the graduands will be innovative, job creators and not job seekers.

I am glad to note that we are also celebrating certification to ISO 9001:2015 Quality Management System (QMS) and certification to ISO 27001:2013 Information Security Management System (ISMS). We will also unveil the University's 2018-2028 Strategic Plan soon. We are certain that successful implementation of these deliberate plans will transform the University of Embu and enhance its contributions to the Country and the world at large. We are focused on quality control, developing market-driven programmes and building sustainable careers for students that will be responsive to the market needs.

As a Council, we aim at creating a conducive and enabling environment for the staff and students to be innovative to carve a niche for themselves in this competitive world. We acknowledge that the University has its own challenges, but it's important to note that for every challenge which has presented itself, we have taken it as an opportunity to improve.

As we release you to the job market and the world of academia, we take pride in knowing that we have imparted innovators and global-business leaders with skills and competencies to enable you to take up leadership roles in transforming our Nation and the world at large. As we celebrate our 3<sup>rd</sup> graduation ceremony, we take stock of our achievements and refocus with a renewed vigour on even doing better in future.

As you celebrate your achievements, the University Council wishes you success in all your endeavours. Thank you for making the University of Embu stronger and better, and be sure we will be following your contributions to the community with great interest.

**Be our good ambassadors out there and God bless you abundantly!**

I wish to welcome you all to our 3<sup>rd</sup> Graduation ceremony. On behalf of the University Council, I wish to congratulate Professor Daniel Mugendi Njiru on his appointment as the Vice-Chancellor of the University of Embu on 26<sup>th</sup> January, 2018. I would like to thank the Cabinet Secretary, Ministry of Education and Research, Ambassador (Dr.) Amina Mohamed for the appointment and for the Ministry's continued support to the University. It is worth noting that, Professor Mugendi was appointed after a highly competitive recruitment process, where he emerged the best. Professor Mugendi brings a wealth of experience in the running and management of the Institution from the initial population of 123 students admitted in April 2013, to the current enrolment that stands at over 5,500 students. As a Council, we are confident in his leadership and we are committed to offering our full support in achieving the University's vision of being an epicentre of excellence and a centre of cutting-edge research and training.

I wish also to thank Prof. Nair for travelling thousands of kilometers to come and support his student during this year's graduation. In the same vein, may I thank the Chancellor, Prof. Musili Wambua, for shedding off the traditional titular position of a Chancellor and folding his sleeves as a hands-on head of the University. Mr. Chancellor Sir, the University is experiencing phenomenal growth as a result of your continuous engagement with the University Council and Management.

To the graduands, I would like to appreciate you in a very special way because without you, we would not be here today. This auspicious occasion marks a significant day in the University calendar. To the graduands, it is a momentous occasion which will remain imprinted in your minds for the rest of your lives. Graduation symbolizes the transformation

# UoEm Council Members (Effective August 2017)

Following the award of Charter to the University of Embu, the first Council for the University was appointed vide Gazette Notice No: 7600 and 7601 of the Universities Act No: 42 of 2012, dated 7<sup>th</sup> August 2017, for a period of three (3) years with effect from 1<sup>st</sup> August, 2017.



## **DR. MARGARET MUMBI GIQUIHI, Ph.D** CHAIRPERSON OF COUNCIL

Dr. Margaret Mumbi Gikuihi is the Chairperson of the University of Embu Council. She holds a Doctor of Philosophy in Education, Master of Education, (Educational, Administration and Planning) both from Catholic University of Eastern Africa and a Bachelor of Education Arts, University of Nairobi. Dr. Gikuihi has a wide experience in academics and administration and has held various leadership positions, with the Teachers Service Commission in which she has displayed exemplary performance. She is currently serving as a director in a consultancy firm.



## **MR. SAMUEL K. KIIRU**

Representing the Cabinet Secretary, National Treasury, Mr. Kiiru holds a Master of Business Administration (MBA) in Economics from Carleton University, Canada and a Bachelor of Arts in Economics from University of Nairobi.

## **MR. PATRICK RANGA ABELLE**

He holds a Masters in Business Administration, Nkumba University, Uganda and a Bachelor of Science in Biochemistry and Zoology, University of Nairobi; and is presently pursuing doctorate studies in Business Administration. He has a wide range of experience in sales and marketing of pharmaceutical products and vaccines; and is currently a Commercial Director at GSK East Africa.



## **MRS. MARGARET IYASI LESUUDA**

Representing the Principal Secretary, State Department for University Education & Research, Mrs. Lesuuda holds a Master of Arts degree in Peace Building from Coventry University, United Kingdom; Master of Education in Administration from University of Nairobi and a Bachelor of Education degree from Kenyatta University. She has vast experience in education and administration. She is currently the Regional Coordinator of Education, Eastern.

## **DR. JANE WANJIRU MUGAI**

She holds a doctorate degree in Special Needs Education from Mt. Kenya University, Masters in Guidance and Psychological Counselling from Kenyatta University, Bachelors' degree in Special Education from Makerere University and a Diploma in Special Needs Education.



## **MR. JAMES NJERU KABURU**

He holds a Masters in Business Administration in Strategic Management and a Bachelor in Business Administration, Accounting both from the United States International University (USIU). In addition he is a Certified Public Accountant of Kenya.

## **MR. ABDULHAMID SALEH SAID**

He holds a Masters degree in Public Health, Health Care Management from Emory University, USA, Master of Science degree in Agricultural Economics, Postgraduate Diploma in Agricultural Economics, both from University of Aberdeen in UK and a Diploma in Agriculture (Food Marketing) from Egerton University.



## **MS. BEATRICE AMOLO OLUOCH**

She holds a Masters in Business Administration degree from Daystar University, Bachelor of Laws from University of Nairobi, Diploma in Legal Education from Kenya School of Law, and a Diploma in Counselling from Amani Counselling Centre and Training. In addition, she is a Certified Public Secretary of Kenya.

## **PROF. DANIEL MUGENDI NJIRU, Ph.D**

He holds a Doctorate degree in Agroforestry, University of Florida, Gainesville, FL, USA, Master of Science in Crop Science/Horticulture, University of Nairobi, and a Bachelor of Science in Forestry from Moi University. He is the Vice-Chancellor, University of Embu and the Secretary to the University Council.





**PROF. DANIEL M. NJIRU, Ph.D**  
Vice-Chancellor, University of Embu

## Message by The Vice-Chancellor

continues to pursue and incorporate effective quality assurance and control mechanisms to streamline its processes. It is with this in mind, that the University is celebrating the transition to ISO 9001:2015 (QMS) and certification to ISO 27001:2013 Information Security Management System (ISMS). The certification makes the University of Embu not only the first University but also the first education Institution in Kenya to attain such certification. In just two years into the award of its charter, the University has made considerable progress. This graduation celebration is also in tandem with upcoming unveiling of the University's 10 year (2018-2028) Strategic Plan.

To maintain the tempo of growth in research and innovation, the University has collaborated with research partners with an aim of enabling members of staff to continue making scholarly contributions to society. Through the research output, the University has been able to attract grants amounting to Kshs.100 million. The increase in publication and participation in research dissemination forums, has led to the University's continued improvement in local and global ranking.

It gives me great pleasure, to note that the University of Embu has deliberately adopted Information and Communication Technologies (ICTs) as the medium of delivery and streamlining the operations and procedures in the Institution. The adoption and integration of the Enterprise Resource Planning (ERP) System reaffirms the institution's ability to consistently demonstrate its commitment to the best practice, efficiency and sustainability.

As part of the University's growth strategy, the institution, through the various schools, is actively involved in developing market-driven programmes, ranging from certificate to doctorate level in line with stakeholder needs. In line with these growth

strategies, the Institution is working towards establishment of the School of Law, School of Engineering and School of Medicine. The School of Medicine will be established in partnership with Embu Level 5 Referral Hospital and Embu County Government.

The University is also planning to launch the University of Embu Endowment Fund with the aim of aiding our needy students in their search for knowledge. This fund is instrumental in bridging the gap and realizing the Big 4 National government development agenda.

Every great success story and great brand, the University journey is punctuated by a few challenges such as low enrolment and attraction and retention of highly skilled talents. Despite this, we are positive that we will forge forward to align ourselves with our vision of being a global leader and epicentre of academic excellence. I wish to thank the Chancellor, University Council, University Management and staff and students for the support they have always given me. Without them, we wouldn't be where we are today as a university.

Finally, I want to assure you that the University of Embu shall remain committed to continually provide quality education to keep up with the ever-changing needs of our clients.

To our graduands, the world into which you are stepping is competitive and tough. As a University, we believe we have given you the best skills and tools to take it on. With discipline and hard work, you can build strong careers as you build the Nation. Just as Grammy Award actress Lupita Nyong'o said, **"All dreams are valid"**. Be our loyal ambassadors!

**God Bless you all!**

**O**n behalf of the entire University fraternity, and on my own behalf, let me take this opportunity to welcome you to yet another historic occasion as we celebrate the 3<sup>rd</sup> Graduation Ceremony of the University of Embu. First and foremost, I take this opportunity to congratulate **The Flashlight** Committee for yet another edition of **The Flashlight**. In the same breath I want to extend my warmest congratulations to the Editorial team for pursuant to editorial excellence in the publication of this Magazine. Kudos!

Today represents an important landmark in our academic calendar. It marks the achievement of our key goal as a university to provide holistic education firmly grounded on quality, relevance to industry needs and capacity to adopt in the ever-changing globalized world. This is an auspicious day for the graduands; a celebration of the culmination of years of sheer hard work, determination and the University's commitment to its vision and core mandate. As we celebrate this graduation ceremony, the University of Embu is proud of the progress made on many fronts. Today, we are crowning the best of the best, we are also celebrating my installation as the first Vice-Chancellor.

Quality is the hallmark of any academic achievement. The University, therefore,



# UNIVERSITY OF EMBU

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University of Florida, USA

## **Prof P. K. Nair:** Profile of the 3<sup>rd</sup> Graduation Ceremony Guest Speaker

Prof. Nair, a Distinguished Professor at the University of Florida, holds Bachelor of Science degree in Agriculture and Master of Science in Agronomy from Kerala University in India, a Doctor of Philosophy in Agronomy from Pantnagar University in India and a Post Doctorate in Soils from Rothamsted, England. He is a Senior Humboldt Fellow of Tropical Agriculture in Goettingen University, Germany. He is a pioneering researcher and a world-renowned scientist.

**P**rof. Nair is recognized as the "Father of Agroforestry". This is because of his outstanding contributions to the development of the science and practice of agroforestry worldwide during the past more than four decades. His groundbreaking research on multistory cropping in his native southern India during the 1970s led to his involvement as one of the founders of ICRAF (World Agroforestry

Centre), in Kenya.

At ICRAF, where he worked for nearly 10 years, he played a key role in developing the discipline of agroforestry.

His research contributions are published in more than 200 peer-reviewed journal articles, 16 books (author/editor), about 75 book chapters, and presented over 200 keynote speeches, lectures and presentations around the world focusing on integrated farming systems, soil fertility, ecosystem services by trees, and soil carbon sequestration in agroforestry systems. His Google Scholar statistics as at 16<sup>th</sup> August 2018 were: 23,055 citations with an h-index of 73 and i-10 index of 239.

At the University of Florida, he has graduated 30 Ph.Ds, 25 Masters and served on the graduate committees of more than 100 Masters and Ph.D students. He has been an external examiner for Ph.D thesis in several international universities. He has conducted field research and training courses in 25 countries around the world together with his students and collaborators. He has trained more than 100 trainees and exchange scholars from several countries at the University of Florida.

Prof. Nair has been a long-term Editor-in-Chief of *Agroforestry Systems* (Springer) and Chief Editor, *Agroecology and Land Use Systems* (Frontiers in Environmental Sciences); and is currently the Editor of the book series *Advances in Agroforestry* (Springer). He has worked for several

international journals as reviewer and editorial board member. He started the World Agroforestry Congress series: Florida, USA (2004); Nairobi, Kenya (2009) and New Delhi (India, 2014). He has also worked as a Consultant/Advisor to public and private research and development organizations in several countries, UN agencies, the World Bank, donor agencies, and Foundations.

Prof. Nair has received numerous honours and awards. These include, to mention but a few: the International Union of Forest Research Organizations (IUFRO) Scientific Achievement Award 2005; the Humboldt Prize, Germany, 2006; the Forest Science Award of the Society of American Foresters, 2014; and four honorary Doctorate degrees (Universities of Kyoto, Japan; Kumasi, Ghana; Guelph, Canada; and Santiago de Compostela, Spain). He is a Fellow of the American Association for the Advancement of Science (AAAS); National Academy of Agricultural Sciences, India; World Innovation Foundation, UK; and all three of American tri-societies of Agronomy, Crop Science, and Soil Science.

His scientific experience extends internationally through more than 100 countries in Asia, Africa, Europe, and Latin America. His current research focus is on carbon sequestration and environmental quality under agroforestry systems. Other research interests include: soil productivity, component interactions and agroforestry system design and evaluation.

## 1<sup>st</sup> Vice-Chancellor to be Installed Today



**Prof. Daniel M. Njiru, Ph.D**  
Vice-Chancellor

**P**rof. Daniel Mugendi will today be installed as the first Vice-Chancellor of the University of Embu. The appointment was done on 26<sup>th</sup> January, 2018 by the then Cabinet Secretary of Education, Dr. Fred Matiang'i. Prof. Mugendi went through a very competitive recruitment and vetting process to merit the appointment as Vice-Chancellor of the University of Embu.

Prof. Mugendi had been serving as an acting Vice-Chancellor at UoEm following the award of the Charter on 7<sup>th</sup> October, 2016 by H.E, The President, Hon. Uhuru Kenyatta.

Previously, Prof. Mugendi was the founding Principal of the former Embu University College, the precursor of the University of Embu, where he served as the Principal from 2012. During his tenure as the Principal and the acting Vice-Chancellor the University has recorded tremendous growth in all sectors as enumerated here under:-

1. Establishment of the University from scratch – there were no students in EAST College
2. Award of Charter on 7<sup>th</sup> October 2016 (within the CUE stipulated timeframe)
3. The University continued placement in the **Very Good** and **Excellent** category in the Annual Performance Contracting evaluation in the past five years
4. Re-certification to ISO 9001:2015(QMS) and Certification to ISO 27001:2013 Information Security Management System (ISMS)

The student population has risen from 123 in 2012 to over 5,500 currently. The University has also witnessed infrastructural development with completion of the imposing Administration Block and the magnificent Library Building.

The period has also witnessed the increase in number of academic programmes as well as highly qualified and experience human resource.

Prof. Mugendi is a seasoned university manager and brings a wealth of experience to the University of Embu, having previously served as the Deputy Vice-Chancellor (Finance, Planning and Development) at Kenyatta University. He is also a full professor, a renowned scholar, researcher, consultant and higher education leader. He has made significant contributions in the area of Agro-Ecosystems research and management as well as the development of University education in Kenya.

**The Flashlight Magazine** takes this opportunity to congratulate the Vice-Chancellor on his appointment and wish him all the best in his new appointment.

**Congratulations Prof. Mugendi.**

## Profile of Pioneer VC

**P**rofessor Daniel Mugendi Njiru is a renowned scholar, researcher and consultant with an illustrious management expertise. His career in academia, research, education and training sectors, spanning over more than three decades, has seen him make significant contributions in the area of agro-ecosystems research and management as well as the development of University Education in Kenya.

He began his career as a Researcher with the Kenya Forestry Research Institute (KEFRI) in July 1986 and made tremendous professional and academic progress. Later, he moved to Kenyatta University in 1999 where he rose through the ranks of academic and professional leadership. He served as the Chairman of the Department of Environmental Foundations, Dean of the School of Environmental Studies and Human Sciences and Deputy Vice-Chancellor (Finance, Planning and Development).

Currently, Prof. Mugendi is the Vice-Chancellor of the University of Embu. He also holds the following positions; Chairman of the Board of Directors, Cytonn Investments Management Limited, the Chairman, Board of Management, Kirege Secondary School, Chuka, Tharaka Nithi County and a Lead Expert in Environmental Impact Assessment/Audit. He has also served in other leadership capacities. These include, mentioning but a few, the Chairman Board of Directors of Kenya Forestry Research Institute (KEFRI), Regional Secretary General and Chairman of the Soil Science Society of East Africa, Secretary and Chairman to the Kenya Chapter of Soil Science of East Africa and Chairman, Africa Network (AfNet) of Tropical Soil Biology and Fertility Programme (TSBF).

He has participated and also conducted groundbreaking research focusing on agriculture, forestry and environmental policy and sustainability. He has worked extensively with communities, national and international partners in diverse fields of research in his area of expertise, and also in higher education Leadership. As a scholar of international repute, Prof. Mugendi has authored Twenty Three (23) books and Sixty Two (62) chapters in books in addition to publishing many scholarly articles and research in his field in both national and international peer-reviewed journals. He has supervised and graduated 36 Masters and 14 Ph.D students. He continues to lecture, supervise postgraduate students and conduct research in Forestry, Agriculture and Natural Resource Management. In addition, he has participated and presented scientific papers in more than 90 conferences. He is also involved in professional consultancy services to various governmental and non-governmental organizations both in Kenya and internationally. These include Provision of Quality Control Support of the Alliance for a Green Revolution in Africa (AGRA).

Prof. Mugendi has received much recognition. This includes his PhD Dissertation being awarded 'The 1997 Outstanding Dissertation Award' of the School of Forest Resources and Conservation, University of Florida, USA, among others.



**PROF. DANIEL M. NJIRU, Ph.D**  
Vice-Chancellor, University of Embu

## Founding Principal takes the mantle as the First Vice-Chancellor

The University of Embu will formally install the founding Principal of the former Embu University College, the precursor of the University of Embu, Professor Daniel Mugendi, the 1<sup>st</sup> Vice-Chancellor, in today's 3<sup>rd</sup> Graduation Ceremony

**T**he University of Embu will formally install the founding Principal of the former Embu University College, the precursor of the University of Embu Professor Daniel Mugendi, the 1<sup>st</sup> Vice-Chancellor, in today's 3<sup>rd</sup> Graduation Ceremony of the University of Embu.

Boasting of more than 35 years of service, the vastly experienced scholar and researcher will be formally handed over the instruments of power as he takes the mantle as the first Vice-Chancellor. This comes after his appointment, through a highly competitive process, by the former Cabinet Secretary of Education, Dr. Fred Matiang'i. The appointment was with effect from 26<sup>th</sup> January 2018.

From its humble beginnings, the journey has been phenomenal with steady progression towards becoming an academic giant. The University has aligned itself with the vision of being a dynamic epicentre of excellence in training and research for service to humanity; hedged on the principles of integrity, innovativeness, professionalism, customer satisfaction and teamwork. These values have not only ensured the University strives to continuously improve, develop market-driven programmes, but also graduate highly sought after business leaders in their fields.

The University has undergone a metamorphosis in its quest to achieve full-fledged University status. The journey

started in 1947 when the institution was established by the Ministry of Agriculture as Agricultural Training School to provide pre-service training for Kenya African Preliminary Examination (KAPE) students. Later in 1968, the School was renamed Embu Institute of Agriculture and started admitting secondary school leavers for two-year certificate training as Technical Assistants. In 1990, the institute upgraded its status to Embu Agricultural Staff Training (EAST) College with the mandate to develop and implement short management and technical courses, and offer research and consultancy services to enhance performance in the agricultural sector.

Institution's journey to new status began in 2011, when the College was converted to Embu University College through the Legal Notice No. 65 of 17<sup>th</sup> June, 2011 as a Constituent College of the University of Nairobi. The Embu University College Council was inaugurated thereafter. The Institution had no budgetary allocation for 2011/2012 Financial year, but had a Council and the Principal, Professor Daniel Mugendi Njiru appointed. The Institution then embarked on major infrastructural renovation and repairs to accommodate the first batch of students. In April 2013, the College admitted its first batch of students, numbering 123, enrolled in 5 programmes housed in 2 schools, namely:- School of Agriculture and School of Pure and Applied Science. The University College also witnessed enrolment of its first students

from Kenya Universities Central Placement Service, formerly known as Joint Admissions Board (JAB).

Under the new leadership, the University College began a journey of drafting and developing the University College roadmap - the 2014-2018 Strategic Plan. The Plan was to play a critical role in guiding the Constituent College to attainment of great milestones such as the grant of Charter for fully-fledged University and ISO 9001:2008 Quality Management System Certification, amongst others. The University Council also started hiring highly qualified and experienced staff and increased infrastructural development to play a critical role in the realization of the Institutional mandate.

Since then, the University has undergone tremendous growth and rapid expansion. The increase in the enrolment of students rose to 4,000 from 123 in the 2015/2016 Academic Year which was a significant milestone. The 2016/2017 Academic year saw the first graduation ceremony of the first batch of 123 students who were conferred with various degrees from the University of Nairobi.

The next four years saw the University witness far-reaching changes in the way it handled its processes and adopted the latest technologies to align itself with being an epicentre of excellence. In 2016/2017 Academic Year, there were significant changes witnessed in the formerly little known Agricultural Training

# Transition from EAST College to University of Embu:

A Personal Experience by Dr. Samuel N. Ndirangu



**Dr. SAMUEL N. NDIRANGU**

**T**he transition from EAST College to the University of Embu was a joyous and memorable moment to many, but a mixture of pain and anxiety to quite a number of people. To the Embu community and its visionary leaders, the transition was received with jubilation culminating from an arduous struggle for an institution of higher learning.

The coveted package comprising the newly founded university and the goodies that were perceived to come with it, was seen as former President Kibaki's exit gift to a community that had given unequivocal loyalty and

support to his government. In contrast, the staff members of EAST College received the news of the imminent transition with inordinate shock and utter disbelief, and consternation.

To some staff members the College had become a home and a source of livelihood to which they were inextricably linked, and for that the transition elicited implacable feelings that have remained indelible to date. Like other transitions, there was imminent transfer of power and authority from one group of individuals to another. The process was thus a painful experience to the former administrators of EAST College who

had to exit or accept the diminished status that the new dispensation offered.

I joined EAST College as a Deputy Principal in August 2008 from the Ministry of Agriculture Headquarters in Nairobi. I found the College at the zenith of agitation for its transformation to a university by the community leaders. The Principal then was Mr. Michael Munyoki, who had joined the college six months earlier from the then Kilifi Institute of Agriculture, after another takeover by Pwani University.

The experience the Principal had from his former station came in handy in preparing the EAST College staff for

Continued on pg 12

## Founding Principal takes the mantle as the First Vice-Chancellor



Continued from pg 10

School established in 1947 as it attained its 2014-2018 Strategic Plan goal of attaining University status as envisaged in the 2014-2018 Strategic Plan; and changed its name to the University of Embu - reflecting an international outlook, where the highest levels of quality and efficiency is benchmarked.

This year also saw the appointment of

Professor Paul Musili Wambua, an Associate Professor of Law from the University of Nairobi as the first Chancellor. It is also the year the 2<sup>nd</sup> graduation ceremony and the 1<sup>st</sup> as the University of Embu since the attainment of the Charter, took place.

The remarkable growth is a clear testament to the progressive leadership and customer-focused nature of the

Institution whose vision is to be a dynamic and global academic giant. The institution has also embarked on major infrastructural development which includes construction of an ultra-modern library, state-of-the-art multipurpose hall, administration block, tuition block, extension of health unit, and world-class sporting facilities.

**The sky is truly the lower limit!**

# Down Memory Lane

the impending transition to a university. But on the other hand, the experience had probably made him too cautious to effectively negotiate with those who were agitating for the transition.

As his principal assistant, and being younger and more energetic, I at times found myself taking the mantle at the negotiating table. This prepared me for the future critical role later bestowed

When Mr. Munyoki and I assumed the management of the College, we were informed that our predecessor had at one time been reprimanded by our Ministry for accepting to meet one of the prominent universities which had shown an interest in taking over the College.

The Ministry had slightly relaxed its hard stance during the time of

other regions. At one time the situation threatened to take an ethnic dimension.

The Embu community leaders argued that a senior Ministry official from a neighboring county was suppressing the wishes of their community to protect from competition, a recently established university in the officer's home county.



Embu University College Old Gate A



Artistic Impression of the New Gate B

on me as the main link between the College and the University, and for which I undertook with gusto.

The initial position of the Ministry of Agriculture on the proposal for transformation of EAST College to a university was outright rejection, for the Ministry perceived it as a premeditated takeover of all its training institutions.

our administration by accepting to hive-off a 100 acres of the College land for the establishment of the proposed university. Those agitating for a university had vehemently rejected the offer arguing that there were no resources for such a massive undertaking and again similar conditions were not being given to

Finally the long-awaited moment dawned in 2011 after close to ten years of impassioned negotiation between those proposing for upgrading of EAST College to a university and the Ministry of Agriculture. The two antagonists had finally found an amicable common ground and an appointment with the then President, H.E. Hon. Mwai Kibaki,



Modern Library Under Construction



New State-of-the-Art Library

# Down Memory Lane

Continued from pg 12

was sought by the community leaders and professionals. I recall a visit to my house one evening by the Provincial Director of Agriculture (PDA) of the then Eastern Province, a day before the meeting with the President.

The senior Ministry official wanted me to verify, on behalf of the Principal, a status report he had prepared for the Ministry before handing it to the Provincial Commissioner (PC) Eastern Province. My boss, who I believe was privy to the report, did not object that I perform the noble task on his behalf

after consultation. I was also required to accompany the PDA to the PC's official place of residence to hand over the report. The report remains confidential to date but I believe it formed part of the presentation to the President that upgraded EAST College to Embu University College (EUC). The upgrading was finally given a legal status through Gazette Notice No. 65 of 17<sup>th</sup> June 2011.

The story of this transition cannot be given in a single article. This is the beginning of a series of articles that will

be written in subsequent issues of *The Flashlight Magazines*. The next article will narrate the activities that took place after the gazetment, including the meteoric and heroic entry of Professor Daniel Mugendi in the navigation of the transition. However, this being the occasion of the installation of Prof. Daniel Mugendi, the first Vice-Chancellor, it is necessary to bring to the fore, and recognize past Principals of the Institution whose place in history in relations to today's installation, cannot be overemphasized.

## Past Principals

### EMBU INSTITUTE OF AGRICULTURE

Mr. G. B Pattry	-	1949-1958
Mr. S. T Mirie	-	1958-1960
Mr. P. T. Sauvage	-	1960-1964
Mr. E. R. Watts	-	1964-1966
Mr. J. R. Cadwell	-	1966-1966
Mr. I. R. Wallace	-	1966-1972
Mr. J. P. K Mbandi	-	1972-1976
Mr. E. K. Muniu	-	1976-1987
Mr. J. M. S. Nyamai	-	1987-1990
Mr. Z. G Gathuka	-	1990-1993

### EMBU AGRICULTURAL STAFF TRAINING COLLEGE

Mr. A.O. Omolo	-	1993-1993
Mr. E. A. Miron	-	1993-1996
Mr. E. K. Muniu	-	1996-1997
Mr. P. T. Ibeere	-	1997-2003
Mr. T. K. Opiyo	-	2003-2005
Mr. F. S. Muya	-	2005-2008
Mr. M. Munyoki	-	2008-2012



Old hostels



New Mt. Kilimanjaro ladies hostels



**PROF. EUCHARIA KENYA, Ph.D**  
Deputy Vice-Chancellor (PAF),  
University of Embu

## Office of The Deputy Vice-Chancellor

Planning, Administration & Finance (PAF)

# University Endowment Fund with a Difference

**T**he University of Embu is set to launch the University Endowment Fund. The Endowment concept is a common practice in many universities around the world where individuals or organizations donate financial or other assets to the University, which in turn invests the principal amount and utilizes the proceeds from the investment to assist needy students and also improve the University facilities.

Thus, endowing is simply donating or giving by philanthropists or well-wishers. This comes with a series of advantages for the endower that include remaining immortal or perpetual over the years in addition to maintaining the brand name of the giver. These are the likes of Nobel, Rockefeller and Nelson Mandela among other individuals. Therefore, even after the endower is long gone, the name is kept alive by the act of touching disadvantaged ones or promoting development. Some of the great universities that have greatly benefited from endowment are Harvard, Yale and University of Cambridge, among others.

The adoption of the endowment model by the University of Embu will help greatly in the mobilization of resources to realize its key mandate of teaching, research and service to humanity, as well as providing more opportunities for developing human resource skills that are necessary for Kenya to realize its Big 4 Agenda and the National Vision 2030.

The Endowment approach will seek to appeal to individuals, corporates and organizations of good will to support the University both financially and materially so as to help the University to meet its development agenda.

In order to realize the University's Endowment Fund objectives, it is necessary to put in place a sound management structure that will oversee the mobilization and utilization of the resources. To achieve this, a Board of Trustees will be established that will work with the University Council and Management to ensure prudent utilization of endowed resources.

The following activities are planned in the run-up to the big launch of the Endowment Fund and everyone is invited to participate:

1. 21 Km half marathon
2. 10 Km road race
3. 3 Km family fun run
4. Charity entertainment event
5. Working for charity
6. Car wash week
7. Mountain climbing (Mt. Kenya)

More information on how you can participate in the UoEm Endowment Fund through fundraising, donations and other forms of assistance to the fund can be found at [www.embuni.ac.ke](http://www.embuni.ac.ke)





# Office of The Deputy Vice-Chancellor

Academics, Research and Extension (ARE)

## Promoting **Excellence** in Scholarship



**PROF. KIPLAGAT KOTUT, Ph.D**  
Deputy Vice-Chancellor (ARE),  
University of Embu

**T**he higher education environment in Kenya at the moment very uncertain with myriad challenges facing public universities. Among the key challenges are an emerging pattern in which students perform poorly in one or two key subjects, a reduced number of students that qualify for admission to degree programmes, and a general reduction in funding from the government. Although these challenges have rendered a number of universities technically insolvent, the University of Embu (UoEm) has been able to weather these challenges and register impressive achievements in its development agenda.

During the 2018/2019 Academic Year, the Kenya Universities and Colleges Central Placement Services (KUCCPS) placed a total of one thousand, one hundred and twenty seven (1,127) students in the University of Embu. While this represents a drop in the total number of placed students from the previous academic year, the drop can be attributed to two important aspects of the 2017 Kenya Certificate of Education results: a reduction in the number of students that qualified for admission to degree programmes and an unusually high failure rate in Biology. The mass failure in Biology adversely affected the University's pure and applied biology programmes particularly in the School of Agriculture. Despite the above setback, a remarkable feature of the 2018 KUCCPS admission cycle is that all the students placed in UoEm chose the programmes that they were admitted to. This is a clear demonstration of the popularity of our programmes.

One of the greatest challenges we face in the management of student affairs is the large number of bright students from very humble backgrounds. In an effort to reduce incidents of students dropping out owing to lack of school fees or food, the University has established a Financial Aid programme. Contributions for the kitty is obtained from the University, University of Embu Students' Association (UESA), individual staff contributions and donations from other well-wishers, including student clubs. One of the largest individual contributors to the kitty is the Vice-Chancellor, University of Embu who has committed a portion of his salary in support of the kitty. In 2017/2018 Academic Year, the programme disbursed about three million shillings to about 300 students. Plans are underway to come up with more innovative ways of raising funds to support the Financial Aid kitty.

Recognizing the importance of research in addressing societal challenges, the University is constantly exploring ways of enhancing the research capacity of its academic members of staff. In this regard, the University in the 2017/2018 Academic Year, organized several training programmes in key areas such as grant proposal writing, and

copy right protection and patenting. In addition, the University supported several members of staff to attend national, regional and international conferences. It is envisioned that the academic staff shall use such opportunities to network and come up with collaborative programmes that will support the University's research agenda.

In addition, while aware of the importance of the synergy of efforts required in the realization of the vision and mission of the University, the University of Embu has made a deliberate effort to establish partnerships and linkages with local, regional and international organizations that are compatible and complimentary to the University's aspirations. These partnerships are geared towards establishing platforms for furthering research, training, innovation, extension and community service programmes and dissemination of knowledge. In the recent past, the University has signed Memoranda of Understanding (MoU) with among others; the Africa Children Education Fund (ACEF), Njukiri-Nthambo Community Based Organization, Manyatta Stakeholders Forum, Zalego Institute, Consolata Hospital, Kyeni, Institute of Economic Affairs and TATA Chemicals, Magadi Ltd. These partnerships are founded on the principle of equality and mutual recognition. Planned activities to ensure sustainability of the collaboration include regular exchange of staff and students, collaborative academic activities including the organization of seminars and symposia on a regular basis and the formation of collaborative research groups.

In conclusion, the Academics Division is very excited to host the third graduation ceremony in which we expect to release to the job market a record number of over five hundred graduands who are well trained and ready to contribute to national development. As we celebrate this important achievement, we call upon those seeking an opportunity for higher education to consider joining the University of Embu where learning takes place in a very serene environment and is conducted by experienced and friendly academicians. For the continuing students, I urge you to remain focused on your studies. Let us all take counsel from the saying that **"no matter how bitter the books of education may be, the fruits are always sweet"**. I take this early opportunity to congratulate the graduating class of 2018 and wish them well in all their future endeavours. May you be proud ambassadors of the University of Embu in whatever sphere of life you are headed. HONGERA!



# The School of Agriculture Contributes to National Food Security.



**Dr. Fredrick Njoka, Ph.D**  
Dean, School of Agriculture

**T**he School is robust in training graduates in sustainable agriculture, food security and environmental management through a combination of insights from various disciplines such as tissue culture, plant pathology, plant breeding, animal nutrition, soil science, environmental management and value-addition of

agricultural products, among others.

It is actively involved in community empowerment through partnerships with local farmers' groups and offers solutions to problems affecting humanity in the agricultural sector.

## **INTRODUCING M.Sc. & Ph.D IN AGRICULTURAL EXTENSION.**

The School has developed new postgraduate programmes in Agricultural Extension through the involvement of stakeholders. Development of new curricula in Agricultural programmes is in line with Governments' efforts to meet its Big Four Agenda, particularly Food Security.

## **NEW APPOINTMENTS**

Dr. Lucy Karega Njeru is the new Chairman in the Department of Agricultural Economics and Extension, whereas Dr. Rebecca Yegon is the Chairman, Department of Land and Water Management.

We congratulate them on their appointments.

## **KEY MILESTONES**

The School has continued to expand and enrich its academic networks by signing Memoranda of Understanding with key partners, holding of farmers' exhibitions, winning competitive research grants as well as stakeholders engagement.



**Mr. Jeremy Ireri, Horticultural Technician in the School of Agriculture sensitizing farmers on use of hydroponic system of growing tomatoes in a greenhouse during farmers exhibition day held in the Univesity Farm on 3<sup>rd</sup> August, 2018**



# School of Business & Economics



**Dr. Kennedy Ocharo, Ph.D**  
Dean, School of Business & Economics



**School of Business & Economics Students being taken through iTax Training when the University partnered with Kenya Revenue Authority (KRA) to train students in order to assist the public in filing their tax returns.**

The School of Business and Economics was established in 2014. The School currently has more than 800 students with a faculty of 10.

The School has developed the following market-oriented programmes:

## Postgraduate programmes

1. Ph.D in Business Administration
2. Master of Business Administration

## Undergraduate programmes

1. Bachelor of Commerce
2. Bachelor of Purchasing and Supply Management
3. Bachelor of Science in Finance, Bachelor of Economics
4. Bachelor of Economics and Statistics.

## Diploma Programmes

1. Purchasing and Supplies
2. Business Management with IT and Project Management.

## Certificate Courses

1. Certificate in Purchasing and Supplies
2. Certificate in Business Management with IT.

## Linkages

The School has been partnering with Kenya Revenue Authority (KRA) in iTax training of Business students who go out to assist the public in filing their tax returns. The School has also partnered with KASNEB and is offering KASNEB courses. In addition, plans are underway to sign an MoU with the Institute of Economic Affairs.



**Dr. Millien Kawira, Ph.D**  
Dean, School of Pure & Applied Sciences

## Spearheading **Innovation** and **Knowledge Incubation**

I am proud to release skilled graduates of high integrity who will serve the Nation of Kenya with a zeal of patriotism.

There is no doubt that by use of the training and experience gained, you shall be able to make your special contribution to the Vision 2030, Science and Technology goals and the Sustainable Development goals among other pillars of our economy. This indeed is a remarkable achievement since these are the cardinal drivers of our Schools' vision.

Today, you are crowned to enhance the mandate of our beloved University with respect to academic, research and extension to improve the lives of humanity. I advise you to spend more of your time in innovation and knowledge incubation centres that are critical links to discovery of new technology and ideas. Consequently this shall provide opportunities for research application that comes in handy to solve societal problems through extension work and outreach activities. To this effect, the role of research cannot be overemphasized.

The School of Pure and Applied Sciences is in the forefront to contribute to the pool of highly qualified personnel who shall create jobs in the twenty first century.

As you take your place in the diverse and expansive world of work, seize the opportunities created country

wide for internship as entrenched in the Government policies to enhance your experience for advancing your marketability.

The School of Pure and Applied Sciences shall continuously try to bench-mark with other universities not only within the region but also globally. This will definitely ensure the global competitiveness of our graduates. I wish to encourage you to continue in this path and increase your efforts in mainstreaming the education and skills development of young people in our Country.

I am glad to be the one to remind you that you stand here today because you took the opportunity to walk through life confidently and you were open to self-improvement and that which is going to best help you evolve, because that is really why you chose to study. You have the opportunity to use your education to do good. I hope you strive for more than just the good feeling that service provides, that doing good actually makes you better. Therefore, whatever field you choose, if you operate from the paradigm of service, I know your life will have more value and you will be happy. Use your job as a platform to serve others.

Always remember that whether you're an actor, you offer your talent in the way that most inspires art. If you're an anatomist, you look at your gift as knowledge and service to

healing. Whether you are a cleaner, you embrace your job as you would your home. Whether you've been called, like many of you here today getting degree certificates and other accolades, when you choose to offer your skills through the paradigm of talent in service, everything you do turns from a job into a gift.

To move forward you have to give back. Especially to our community which has contributed to your development. To me, that is the greatest lesson of my life. To be happy, you have to give something back, you know that, because that's a lesson that is woven into the very fabric of humanity. It's a lesson that your education has enhanced in you.

I wish to end with a quote from Dr. Martin Luther King Junior which said, *"Not everybody can be famous. But everybody can be great, because greatness is determined by service."* You don't have to know Einstein's theory of relativity to serve and you don't have to know the second theory of thermodynamics in physics to serve. You only need a heart full of grace and a soul generated by love.

May your service be the highlight of this day – your graduation day.

Congratulations.

# School of Education and Social Sciences



**Dr. Madrine King'endo, Ph.D**  
Dean, School of Education & Social Sciences

Welcome to the School of Education and Social Sciences (SESS). The Vision of the school is to be a globally competitive fulcrum in the preparation of professional educationists, mentors and researchers for enhancement of the welfare of humanity.

**T**he School is continuously growing from a single Department in 2014 to three departments this year (2018). The School is the largest at the University of Embu with an enrolment of more than 2,105 (two thousand one hundred and five) registered students in various programmes. The School continues to attract both local and international students. This exponential growth has been necessitated by the launch of new market-driven programmes. Last year, the School graduated two students while this year,

over 300 students are expected to graduate with various degrees.

The enormous growth in student population is based on the School's popularity attributed to the quality education programmes offered in its (3) departments namely; Educational Foundations and Psychology, Educational Communication, Administration and Planning, and Humanities.

The School has highly qualified and experienced academic staff and support staff, headed by the Dean whose role is to coordinate activities of the School with the assistance of a team comprising, Chairmen of Departments. The School offers the following programmes: Certificate in Japanese language, Diplomas in Hospitality and Tourism, Library and Information Science and Bachelors Degrees in Education (Arts & Science), Criminology and Security Management, Library and Information Science, Post-Graduate Diploma in Education (PGDE), Masters of Education (Educational Administration and Planning), Master of Arts in Linguistics and Ph.D in Education.

Quality assurance of the programmes is a major part of the Schools' activities that takes the form of reviews and feedback from stakeholders from time to time. The School has continued to contribute substantively to the development of the Kenyan educational sector through staff participation in international and national education workshops, conferences and taskforces. The staff has also been exemplary in embracing capacity development in use of innovative pedagogies, new education and communication technologies as well as strengthening evaluation processes.

The staff is involved in educational research in partnership with global partners; attending and hosting international conferences; publishing research papers and books. As a School, we continue to embrace principles of good governance and endeavour to always demonstrate professionalism while passionately advancing our vision and mission in the service to humanity through Education.



**Dr. Zachary Njagi, Lecturer, School of Education addressing the outgoing Teaching Practice Students at the Tentatorium Hall on 22<sup>nd</sup> March, 2018 .**



**Ms. Jackline Nteere**  
CoD Nursing

## Serving the Community with Compassion



A section of School of Nursing Students, during a practical session in the Nursing skills laboratory.

**T**he School of Nursing offers two main programmes; Bachelor of Science in Community Health and Bachelor of Science in Nursing (direct entry and upgrading). These two programmes prepare the students to serve the community compassionately. The School has grown immensely with a current population of 74 students in the undergraduate programme. This academic year, the School will graduate its first cohort of Bachelor of Science (Nursing) students. The School, with support from the University Management has endeavoured to attract and retain dedicated lecturers who have vast specialty ranging from: nursing education, midwifery, general medical and surgical nursing, ICU, mental health / psychiatry and epidemiology. Apart from being involved in teaching, the lecturers are highly engaged in community affairs, clinical supervision of students and research work.

Our students are well prepared to tackle emerging, reemerging and dynamic health problems in our community and in the world at large. Prior to undertaking clinical placement, our students engage in skills lab activities. Our highly equipped skills lab exposes our students to the expected challenges and problem-solving they expect to

encounter in the clinical area. In addition, the School with the help of the University management has signed MoUs with key health facilities to ensure our students are exposed to ultra-modern facilities and technology in their clinical areas.

In its endeavour to engage with health care workers whose practice is evidence-based, the School of Nursing upholds research in the clinical and community areas. To further achieve this, the School aims to start its first master's programme in public health. Master's in Public Health will have four major specialties which will prepare graduands to work in a diverse and dynamic society with multiple health issues. In addition, the School also intends to scale up the undergraduate programmes being offered to encompass demand areas such as nutritional health.

Towards achieving the 2030 sustainable development goals, the School strives to train and produce for the local and international market competent, dedicated and compassionate health workers who will be involved in alleviating the major disease burden through treatment, promotive, preventive and rehabilitation of major communicable and non-communicable diseases.

## Department of Health Services:

A Healthy Community for service delivery



**Agnes Koome**  
Ag. Head of Health Services

The Department of Health Services offers quality and effective services through its focused, dedicated and ethical staff who embrace team- work in serving the students, staff and their families. It has a modern medical laboratory equipped with modern machines and that carry out various tests as listed below:

### Hematology:

- I. Complete blood count- (Hb, Red cell count & indices, WBC, PCV, Platelet count)
- II. Malaria profile test
- III. Erythrocyte sedimentation rate
- IV. Hemoglobin

### Microbiology

- I. Urine routine
- II. Urine PDT/Pregnancy detection
- III. Stool microscopy
- IV. Stool Salmonella antigen
- V. Stool Helicobacter Pylori antigen
- VI. Fecal Occult blood
- VII. Fecal Rota/Adeno virus antigen

### Biochemistry

Carbohydrate Metabolism

- I. Random glucose
- II. Fasting glucose
- III. Post prandial glucose
- IV. Ossolivan test
- V. Glucose tolerance test
- VI. Renal profile
- I. Serum potassium
- II. Serum sodium

- III. Serum chloride
- IV. Creatinine
- V. Urea

### Liver profile

- I. SGOT\_ Aspartate amino Transferase
- II. Alkaline phosphatase
- III. Serum bilirubin (direct/ indirect)
- IV. Gamma GT
- V. Alanine aminotransferase/ SGPT

### Lipid profile

- I. HDL Cholesterol
- II. LDL cholesterol
- III. Triglycerides
- IV. Total cholesterol

### Other biochemistry

- Serum total protein

### Serology

- I. VDRL test
- II. ASOT – Antistreptolysin O in Titers
- III. Rheumatoid Factor
- IV. Brucella antibody agglutination test with tires.
- V. Hepatitis B surface antigen (Qualitative)

There are sickbays in the Department for observation of patients and a modern Autoclave Machine for Sterilization of equipment, thus enhancing infection-prevention according to WHO standards. This ensures that the University community remains healthy for best results since a healthy nation is a wealthy nation.



**Risper Wanja**  
Public Health Officer

## A Healthy You & Me

**T**he Public Health Department has been consistent in its effort to protect and promote health, prevent disease and injuries and combat any disease outbreak within the university. Good health plays a vital role as far as students' performance is concerned, to achieve best performance students' and staff's health must be safeguarded.

To ensure all are covered, the Public Health Department always conducts health education on the presentation of various diseases and their preventive measures.

In case of an incidence, there is quick intervention and prompt investigation to stop any spread. The Department works hand in hand with the University Health Unit and the collaboration guarantees good health to the entire University community.

Food safety is equally guaranteed through routine food inspection on food either prepared in the University food outlets or out-sourced food. This ensures that any food that is consumed by members of the University community is of quality and free from any form of contamination. Public health laws are fully enforced.

Sanitation is also highly monitored. The Department has the mandate to ensure that all premises within the University meet public health requirements and that there is safe disposal of both liquid and solid waste. Routine inspections while making recommendations for improvement where necessary plays a great role in maintaining a healthy working and learning environment.



**Ms. Liz Murugi**  
Head of Admissions

## Making **Admission** to **University Hustle** Free

The University began the 2018/2019 Academic Year cycle with placement of 1,127 Government Sponsored Students. In addition to the students placed at the beginning of the cycle, 65 requested to transfer to UoEm from other Universities raising the total expected student number to 1,192. This is attributable to the quality of teaching and students' services available at UoEm.

We offer both competitive and market-driven academic programmes from Certificate to Doctorate levels. The University has recently increased the number of Diploma and Certificate programmes to ensure that the University reaches out to students who do not meet the minimum requirements for admission to degree programmes. Programmes such as Diploma in Information Technology, Diploma in Business Management with IT, Diploma in Hospitality and Tourism Management, Diploma in Corporate Communication among others will commence during September, 2018 intake. These courses are aimed at providing an avenue for progression to higher levels of study.

As part of its quest to be a dynamic epicentre of excellence in training and research for service to humanity and as envisaged in UoEm's Vision statement, the University has established and operationalized collaborations and linkages which provide for student-exchange programmes with international universities. This has enhanced globalization of education by sharing knowledge and experiences. The interaction of our students with international students admitted through the student-exchange programmes has helped them gain exposure and broaden their academic and cultural experiences. During the 2018/2019 Academic Year, the University admitted international students from the University of Dresden, Germany into various programmes.

At Admissions, we value client satisfaction. It is our endeavour to see to it that through us, the University's Mission of service to humanity and societal development is achieved. We strive to adequately respond to queries raised by our clients in order to ensure that we make informed decisions about programmes of study. The Admissions office is open to all. Visit today and let us revolutionize your career path.



**First year students registering during the admissions exercise held on 28<sup>th</sup> August, 2018 at the University Charter Hall.**

**T**he Admissions section is tasked with the responsibility of admitting and carrying out orientation of new students, coordinating registration of students and managing students' records. Government Sponsored students are admitted each year through the Kenya Universities and Colleges Central Placement Services (KUCCPS) and report to the University in the month of August of the successive year after sitting their Kenya Certificate of Secondary Education Examination (KCSE). Self-Sponsored students are admitted to various programmes at different entry levels and modes of study each year during the January, April, May, August, September and December intakes. All applicants are required to meet the minimum entry requirements for the programme they are applying to be admitted to.

The Admissions Section has continued to play a key role in the growth of the student enrollment at the University. This has been achieved through organizing marketing campaigns and participating in secondary schools' career days / events which have seen the University boost its student population. This has been realized despite drastic reduction of students qualifying to join degree programmes.

All admission enquiries can be made through the email: [admission@embuni.ac.ke](mailto:admission@embuni.ac.ke)  
or telephone number **0706528878**.



## First Cohort of IT Graduates Hit the Job Market



**Dr. David M. Mugo, Ph.D**  
Chairman, Mathematics, Computing and Information Technology

**T**he Department of Mathematics, Computing and Information Technology (MCIT) is proud to release its first cohort of graduates to the job market this year.

I am proud to report that the Department has continued to grow in number of teaching staff, academic programmes and student population since it was curved off from Physical Sciences Department. From the initial student population of about 200 students, we currently boast of a population of over 450 students and we anticipate soaring higher.

Arising from the current shift to Science, Technology, Engineering and Mathematics (STEM) in the Country, the Department is planning to launch the following

new programmes:

1. Bachelor of Science in Financial Mathematics
2. Bachelor of Science in Software Engineering
3. Bachelor of Science in Mathematics with Computing
4. Bachelor of Science in Business Information Technology
5. MSc. in Information Technology
6. Bachelor of Science in Actuarial Science
7. Bachelor of Science (Data Science)
8. Ph.D in Statistics
9. Ph.D in Applied Mathematics
10. Ph.D in Pure Mathematics
11. Ph.D in Information Technology

We are also committed to exposing the learners to modern practical skills in emerging technologies such as: virtual and augmented reality, Network Function

Virtualization (NFV), cloud computing, mobile application development, Internet of Things (IoT), Artificial Intelligence, Quantum Computing, Optical Computing, Block Chain Development, Speech Recognition and wearable computers, among others. In order to offer quality and market-driven training to our students, we are currently collaborating with Zalego Academy Institute and IBM East Africa. Through these undertakings, I can confidently confirm that our students will be the most sought after both in the local and international job market.

“We are committed to exposing our students to modern practical skills in emerging technologies. With this, they will be among the most sought after in the job market.”



Mr. Erick Mutuku from Zalego Institute sensitizing UoEm Computer Science students on modern software development technologies on 26<sup>th</sup> February, 2018.



## Committed to Providing a Comfortable Learning Environment



**Dr. Mark Otieno**  
Dean of Students

**T**he Office of the Dean of Students is committed to providing a stable learning environment for students free from unrests and disturbances. It promotes a climate where students' needs and issues are well articulated and represented by their leaders to the University Administration and Management following the right procedures. In line with this, the Department organized a four-day induction training workshop for the newly-elected UESA student leaders from 14<sup>th</sup> to 17<sup>th</sup> April, 2018. The induction was aimed at preparing the new leaders on how to communicate effectively, work as a team, balance between leadership and academics, manage stress and cope with different challenges they are likely to encounter during their term in office. This induction enabled the new office-bearers to settle down into leadership quickly and execute their roles effectively.

The Department has also maintained an annual career training programme for the graduating students to ensure that they

leave the University sharpened with the right skills that will make them compete favourably in the job market. On 28<sup>th</sup> March 2018, the Department in conjunction with the Mentorship Programme Coordinator, organized a successful career branding seminar dubbed **Beyond your Degree**. Over 600 new students, a majority being fourth years, attended this seminar.

In May, 2018, the Department in liaison with Admissions Office organized a successful first years' orientation for the May intake group. Students were taken through what their education at the University will entail and given tips on how to navigate through campus life.

On 12<sup>th</sup> May 2018, the Department mobilized students for a tree planting exercise at Irangi Forest. This exercise was organized in conjunction with Embu County Government and timed to simultaneously coincide with the launch of the countrywide tree planting exercise by H.E. The President, Hon. Uhuru Kenyatta. On 26<sup>th</sup> May 2018, the Department mobilized students to take part in a Tenri Fraternity (Embu County) organized town clean-up exercise. We are extremely thankful to our students for always willing to take part in University's Corporate Social Investment activities and lift up the name of the University. Bravo to you all!

On 18<sup>th</sup> June, 2018, the University conducted a successful fire-drill organized

by the Safety and Security Committee in conjunction with the Department. The fire-drill was to test the preparedness to counter the dangers posed by fire outbreaks and evaluate the control mechanisms in place. The drill fully achieved its objectives which were to assess the level of preparedness by the students and staff in the event of a fire outbreak. The fire drill also aimed at assessing the adequacy and accessibility of firefighting equipment, fire escape and assembly points.

The Department is also committed to ensuring that students live under favourable and secure conditions in off-campus accommodation facilities. We have a good working relationship with private hostel investors and hold regular joint meetings to discuss issues of concern to enhance good living conditions for our students.

The Department has a close working relationship with the County security team to ensure the security of students and their property both within and outside the University.

There are many exciting activities planned for the first semester of 2018/2019 academic year including welcoming freshers, UESA student leaders benchmarking, participation of students in endowment fund launch activities and many more to be announced in the next issue.

## Postgraduate Students Workshop



**Prof. Nancy Budambula, Ph.D**  
Director,  
Board of Postgraduate Studies



Postgraduate students follow proceedings of the second postgraduate proposal and thesis writing workshop at the University of Embu on 26<sup>th</sup> April 2018.

**T**he Second Proposal and Thesis Writing Workshop for postgraduate students was held on 26<sup>th</sup> April 2018 in the Charter Hall at the University of Embu. The Workshop, which aimed to equip postgraduate students with the skills required for proposal and thesis writing, brought together 143 participants comprising members of University Management, the Senate, academic staff and postgraduate students from the Schools of Agriculture, Pure and Applied Sciences, Business and Economics as well as Education and Social Sciences. The students were taken through the chapters of a research proposal and thesis. These include introduction, literature review, materials and methods, data collection and analysis, results and discussion as well as examination of thesis. The Workshop was a follow up of the First Proposal and Thesis Writing Workshop held in July 2015.

The Workshop was officially opened by the Vice-Chancellor, Prof. Daniel Mugendi

Njiru. In his opening remarks, the Vice-Chancellor observed that universities were not producing postgraduates fast enough to meet the needs of the Country.

### IN BRIEF

Universities produce only 11.6% of graduates with masters' degrees with only 0.6% of graduates with Ph.Ds. This supply is not enough to meet the demand of about 10,000 new staff with Ph.Ds required to serve in the 70 or so universities operating in Kenya.

*National Statistics  
Commission for University Education (CUE)*

Quoting the National statistics released by the Commission for University Education (CUE), he indicated that universities produced only 11.6% of graduates with masters' degrees while only 0.6% graduated with Ph.Ds. This supply was not enough to meet the demand as about 10,000 new staff with Ph.Ds is required to serve in the 70 or so universities operating in Kenya. Only 7% are produced annually. He also noted that the Commission for University Education (CUE) had recommended postgraduate examination focuses on publication by the student as well as special and intensive training of postgraduate students on proposal writing. This Workshop was therefore part of the effort to improve the quality and number of postgraduate students. The Vice-Chancellor further stated that University Management was committed to support the growth of postgraduate studies at the University.

## Postgraduate Students Workshop



**A Ph.D student contributes during the Second Postgraduate Proposal and Thesis Writing Workshop at the University of Embu on 26<sup>th</sup> April 2018.**

The Management had demonstrated this by providing research laboratories, a modern library, e-resources, quality and competent supervisors, awarding 25 postgraduate scholarships in 2017 as well as organizing workshops and seminars.

The Workshop also focused on the role of a healthy relationship between students and supervisors which is the key to success of postgraduate research. The Director, Board of Postgraduate Studies recounted that the First Proposal and Thesis Writing workshop held in 2015 was dominated by a debate on student-supervisor relationship. Consequently, a workshop to sensitize supervisors and academic staff on effective

postgraduate supervision, mentoring and examination was held in December 2016. The Director advised postgraduate students to choose supervisors carefully as postgraduate research and writing was a long journey.

The Director further reminded the participants not to be the student that no supervisor would wish to supervise. In his closing remarks, the Deputy Vice-Chancellor (ARE) reiterated that every postgraduate student has the right to

choose their supervisor and no one should force a supervisor on a student.

The importance of clearly identifying the problem and setting specific, measurable, achievable, relevant and time-bound (SMART) objectives was emphasized in the Workshop. For successful research, there is need for careful planning, systematic data collection and data analysis. Postgraduate students were urged to pay special attention to the results chapter as this is the backbone of the thesis and carries the findings of the study. It is typically the longest part of the thesis that generates

publication(s) and is often the basis on which a thesis is judged. The discussion chapter interprets the results and provides the student with an opportunity to show mastery of the subject and to demonstrate contribution to knowledge.

The abstract, though it appears first, is the last section of the thesis to be written. A winning abstract demonstrates academic excellence and it is likely the first substantive description of research work read by any person interested in a thesis or publication. Overall, successful thesis or project report writing is deliberate, systematic, planned and continuous. The best approach is to write and add to the thesis everyday as data is collected. To be a good writer one must be a good reader.

The Workshop was facilitated by Prof Kiplagat Kotut, the Deputy Vice-Chancellor (ARE), Prof. Nancy Budambula, the Director Board of Postgraduate Studies, and Dr. Romano Mwirichia, the Director Research and Extension. Other key facilitators were Dr. Robert Mathenge and Dr. Julius Mugweru who are seasoned researchers and lecturers at the University of Embu.

**Proceedings of the workshop are available on the University of Embu Website and can be accessed using this link:**

**<http://bps.embuni.ac.ke/index.php/downloads> or <http://repository.embuni.ac.ke/handle/123456789/3>**

## Welcome to our State-of-the-Art Library



**Mr. James M. Njue**  
Head of Library and  
Information Services



**T**he University of Embu Library continues to be a hub of research and information. The Library is continually endeavoring towards the achievement of its mission: "To provide contemporary information services that will empower the University in carrying out its core activities; teaching, learning, and research and external services". Since 2012 when the library was launched, it has moved in leaps and bounds in many aspects with the latest development being the move into the new ultra-modern library.

The University library is integral to the teaching and learning process. To achieve this, we provide both printed and electronic resources. The printed collection in our library currently stands at about 20,000 volumes. This is housed in different floors of the library building. The ground floor houses the Humanities collection which includes Philosophy, Psychology, History, Geography, Languages and Education as well as Short Loan materials for all the Humanities subjects, theses, projects and dissertations. The floor also houses the Africana Collection. In the first floor we have materials for

the School of Law while the second floor hosts the pure sciences. These include Mathematics, Agriculture, Botany, Zoology, Technology, Bibliography and Library Sciences.

The Library also provides varied and up-to-date Electronic resources. These include electronic journals, books and databases. These may be accessed by use of computers in the electronic resources room or use of personal devices through our strong and reliable Wi-Fi installations. The stated e-resources may be accessed through the library website at <http://library.embuni.ac.ke>.

The Institutional Repositories (IR) is a digital collection capturing and preserving the intellectual output of the University community. The number of publications in the IR has continued to grow day by day as the staff and students continue to publish different materials. This encourages all to keep publishing their work.

The ultra-modern Library has a seating capacity of over six hundred persons. It has catered for different user needs including quiet reading areas, information commons rooms for different categories of library users,

research rooms and postgraduate sections. One of the common rooms will be available for users on a 24/7 basis.

In order to cater for the needs of all its clients, the library has incorporated the philosophy of inclusivity. Persons with disabilities have a room specially designated for their use and fully fitted with an Online Public Access Catalogue (OPAC) machine.

The Library is a unique and invaluable asset, not only to University community but to the world at large.





**By Rev. Dr. Mary K. Nkari, Ph.D**  
Coordinator, Chaplaincy Services

I greet all comrades and colleagues in the name of our Lord and Saviour Jesus Christ. I trust that the Lord has taken good care of you.

The quarter has been quiet as most of the students were away for the long holiday while some members of staff were on annual leave.

We are grateful to God for the far He has brought us. His love endures forever. We are happy to have had an opportunity to encourage, give hope, offer a shoulder to cry on, give a listening ear, support and guide as the Lord enabled.

We hope and pray that the Lord will enable us to touch everyone's life positively. Let us strive to make peace in the midst of chaos, show love where there is hatred, give hope to those in despair

and be the light in the midst of darkness.

As we celebrate our 3<sup>rd</sup> Graduation Ceremony, we have every reason to thank God for the increasing number of well-trained graduates that we are producing. To those who are graduating, the Chaplaincy wishes you God's care and abundance as you join us in Nation building.

The Chaplaincy Committee organized the 2018/2019 Academic Year Interfaith Service on 2<sup>nd</sup> September, 2018. This is an annual event at which the University Community dedicates the new academic year to the Lord. The Guest speaker was Rev. Paul Njoroge, CITAM. It was attended by leaders of the main faiths of the University, Staff and Students

## Trust in God all the Time

“They that trust in the LORD shall be as mount Zion, which cannot be removed, but abides forever”

(Psalm 125: 1)



A section of students listen keenly during the 7<sup>th</sup> Interfaith Service.



Guest speaker, Rev. Paul Njoroge, CITAM, speaks to staff and students during the 7<sup>th</sup> Interfaith Service.

“If God supports you, there is none who can overcome you. But if He fails you, who is there to help you after Him? So in God let the believers put their trust.”

**The Quran Surah Al-Imran 3:160**

(Tawakkul - To rely on God)



**Fr. Joseph Kiriimi, Catholic Chaplain and Young Christian Students (YCS) leads offertory prayers during the 7<sup>th</sup> Interfaith Service held on 2<sup>nd</sup> September 2018 at the University Sports grounds.**

## Leadership and Integrity

**F**oundation of Leadership and integrity is embedded in the Constitution of Kenya, 2010 & enabling Laws which include:

1. Section 73 (1) on Responsibilities of leadership which provides that authority assigned to a State officer is a public trust to be exercised in a manner that:
  - Is consistent with the purposes and objects of this Constitution;
  - Demonstrates respect for the people;
  - Brings honour to the Nation and dignity to the office; and
  - Promotes public confidence in the integrity of the office; and
  - Vests in the State officer the responsibility to serve the people, rather than the power to rule them.
2. Section 73 (2) provides that the guiding principles of leadership and integrity include:
  - Appointment into public office on the basis of personal integrity, competence and suitability or election in free and fair elections
  - Objectivity and impartiality in decision making
  - Selfless service that puts public interest above all other interests
  - Accountability to the public for decisions and actions
  - Commitment to service
3. Article 10(c) highlights the national values and principles of governance which include:
  - a. Patriotism, national unity, sharing and devolution of power, the rule of law, democracy and participation of the people;
  - b. Human dignity, equity, social justice, inclusiveness, equality, human rights, non-discrimination and protection of the marginalized;
  - c. Good governance, integrity, transparency and accountability; and (d) sustainable development
4. The enabling laws include:
  - Anti-Corruption & Economic Crimes Act, 2003
  - Ethics & Anti-Corruption Commission Act, 2011
  - Public Officers Ethics Act 2003
  - Leadership and Integrity Act, 2012



**Mr. Francis Ngure**  
Internal Auditor



**“So many Leaders, So Little Leadership”**

*Dr. John W. Stanko*



**Dr. Milcah Nyaga**  
Coordinator,  
Teaching Practice



## Student Teachers Shine in Teaching Practice

**T**eaching Practice is a key exercise for all students studying Bachelor of Education and Agricultural Education and Extension in the University of Embu. The Teaching Practice exercise was scheduled from May to August 2018. The students were four hundred and ninety five (495) and were placed in Embu, Kirinyaga and Tharaka Nithi counties. Fifteen assessors and an external examiner were involved in the exercise.

Teaching Practice is a requirement by Teachers Service Commission (TSC) when recruiting teachers. It provides student-teachers with an opportunity to apply their pedagogical skills and knowledge acquired in the period of study. The objectives are that the student-teacher will understand his/her roles in the teaching profession and to experience the real environment of the teaching process. This helps them to acquire hands-on experience when dealing with students and staff in the schools. In addition, it gives an opportunity for student-teachers to practice the art of teaching before formally joining the teaching profession. Further, the exercise helps the students-teachers to meet the standards of quality education. It is for this reason that the University of Embu has put a lot of emphasis on Teaching Practice.

The Teaching Practice Unit has put measures to ensure that student-teachers are thoroughly prepared for the exercise. This is done in the third year of study through mentorship and induction so as to adequately prepare them to become competent professionals. In this connection

the unit organized various mentorship fora.

On 8<sup>th</sup> November 2017, the University invited Ms. Janet Onyango the TSC County Director, Embu County. She expounded on the expectations of a teacher after graduating from the University, functions of TSC, registration and recruitment of teachers, disciplinary issues and transfer of teachers. On 7<sup>th</sup> February 2018, Mr. Simon Njagi, the Principal of St. Charles Lwanga, Kitui formerly the Principal of Kangaru School, sensitized five hundred (500) third year students from the School of Education and Social Sciences and School of Agriculture on various issues regarding teaching practice and the school environment.

The following topics were handled; Intelligence, Innovation and Impression - the 3 I's. He emphasized on various ways a teacher can stand out in the teaching profession. The student teachers were advised to apply the 3 I's during their teaching practice.

On Thursday 22<sup>nd</sup> March 2018 all the assessors held a meeting with student-teachers proceeding for Teaching Practice from May-August 2018. The main topics discussed included; morals and etiquette, Teaching/ Learning resources, Documentation, Administrators' and the University's expectations. The students were provided with necessary materials for teaching practice and were advised to report to respective schools when schools opened on 2<sup>nd</sup> May 2018. On 10<sup>th</sup> May 2018 the assessors met to strategize for effective assessment. The main aim of holding these numerous mentorship fora is to assist student teachers with skills to enable

them to practise teaching effectively and efficiently in various schools.

Teaching Practice assessment started on 17<sup>th</sup> May to 20<sup>th</sup> July 2018 and the following observations were made by the assessors and students:

- Assessors and student-teachers appreciated the use of innovative teaching/learning resources. This helped the student-teachers to deliver the lessons effectively
- Most Principals expressed confidence in University of Embu (UoEm) student-teachers where most students actively participated in co-curricula activities especially in coaching students for competitions within the County. In addition, the Principals reported that most of the student-teachers took their work seriously at all times. Further, it was reported that some Agriculture students had started agricultural projects in respective schools. Besides, it was reported that the UoEm students were exemplary in their grooming and cooperative.
- The assessors reported that the exercise was carried out with professionalism, dedication and commitment.
- The University Management was very supportive and provided prompt facilitation during the Teaching Practice.

The Teaching Practice Coordinator wishes to thank May-August Teaching Practice group and assessors for their commitment and professionalism portrayed during the exercise. Thank you for being good ambassadors of the University of Embu.



## My Teaching Practice Experience



**BRIAN M. MULONZI**  
B.Ed (Arts), Eng/Lit

**O**n behalf of this year’s teaching practice students, it is with transcending gratitude that I wish to post my sincere appreciation to our Almighty God for His unlimited love, grace and mercy for such a wonderful support accorded to us throughout the session. Indeed, the journey was exemplary.

It is such a pleasure once again to share in the intensity of our emotions to the UoEm management that we favorably shone in all regions as is our norm. You guaranteed us success through detailed preparations and laying a strong foundation of knowledge in every person’s life. Introduction of a dressing code among other principles have really shaped us. We wish to assure you that we feel thoroughly prepared to not only serve Kenyans but also the entire globe.

Let me also extend my sincere appreciation to our lecturers for their dedication, organization, enthusiasm and hard work that we cherish. May it be known to you that your knowledge, understanding and genuine care disseminated to us has illuminated positively to the society. Indeed, ‘you’re because we’re and since we’re so you’re.’ It’s through you we see our achievements and we are really proud of that. Thank you to our able Vice-Chancellor, Prof Daniel Mugendi, for making UoEm to be where it is now. Your able leadership and high academic support has promoted us to who we are, allowing us to proceed with our academics during the academic year 2017/2018 when students in other universities were severely affected by the lecturers’ strike. May God bless you favourably.

Congratulations to my colleagues for undergoing this rite of passage peacefully. It is your cooperation that we’ve recorded a positive history on behalf of our University. I know

it has not been an easy journey. You have gone through a tedious academic and professional journey; one that can only be successfully completed through hard work, diligence and determination. Through thick and thin, you did it!

For this very emotional moment for us all, I wish to pose a challenge to all the teachers: that teaching is not a profession – it is a call. It is not about how much we will earn out of it or the expensive car we will buy or even the luxurious house we will build out of it; but rather, teaching is about the number of lives we will change. Thank you to our able Teaching Practice coordinator, Dr. Milcah Nyaga for your profound impact on this field of teaching. You have been there with your powerful team tirelessly. Your emphasis on leaving a legacy in the schools we practised in was primarily adhered to. We salute you all.

Lastly, I would like to urge future Teaching Practice students to be guided by the following agenda items as they venture in their journey of teaching:

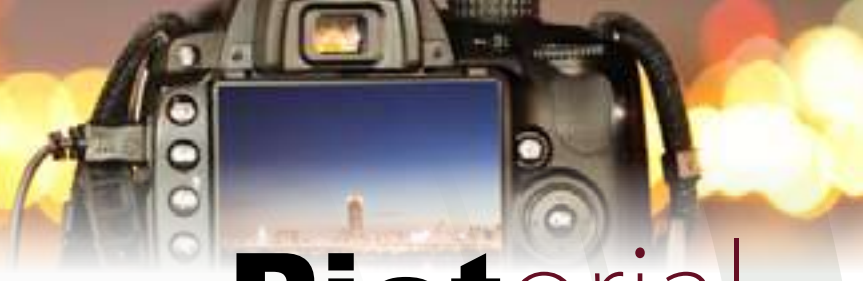
1. What are the specific contributions to those schools?
2. What are the specific problems you are going to solve?
3. What are the specific discoveries you are going to make?
4. What is the specific legacy you are going to leave in those schools?

Thank you.

Brian M. Mulonzi  
B.Ed (Arts), Eng/Lit



**Jeremy Muthengi Kamwaria, 3<sup>rd</sup> year Bachelor of Education student during a teaching practise session with Form Two students of Gatunduri Secondary School, Embu.**



# Pictorial



Parents and students visit the UoEm Admission stand during the 1<sup>st</sup> Open Day held at the University Sports Ground on 10<sup>th</sup> March, 2018.



Dr. Bernard Gichimu (*blue T-shirt*), Chairman Environmental Committee, leading the University staff and students in a clean-up exercise of Embu town to mark the World Environment Day on 5<sup>th</sup> June, 2018.



Prof. Daniel Mugendi, UoEm Vice-Chancellor admires embroidery exhibited by UoEm students when he visited UESA Stand during the 1<sup>st</sup> Open Day held on 10<sup>th</sup> March, 2018.



Prof. Kiplagat Kotut, Deputy Vice-Chancellor (ARE) (*left*), with Prof. Eucharia Kenya, Deputy Vice-Chancellor (PAF) (*right*) assist Prof. Daniel Mugendi, Vice-Chancellor (*centre*), in cutting the cake on 9<sup>th</sup> February, 2018 in celebration of his appointment as the 1<sup>st</sup> Vice-Chancellor.



Mr. Saul Nathaniel, takes oath of office after being elected as UESA Chairman on 16<sup>th</sup> March 2018. Looking on is Ms. Ann Ndegwa (*centre*), University Legal Officer and Dr. Mark Otieno (*right*), Dean of Students.



University Management and the UoEm Chancellor, Prof. Paul Musili Wambua, pose for a group photo after a consultative meeting with the Management of China Jiangxi International Kenya (CJK) Ltd held on 29<sup>th</sup> August, 2018 at the University. The Chair of Council (*4<sup>th</sup> left-seated*) was also present.



# Pictorial



Fire Marshalls and the trainers from Africa Children Education Fund (ACEF) after conducting a fire drill exercise at the University on 18<sup>th</sup> June, 2018.



Prof. Kiplagat Kotut, Deputy Vice-Chancellor (ARE) (*seated third right*), together with University of Embu Legal Officer (*seated second left*) pose for a group photo with newly elected (2018) UESA Officials and former (2017) UESA Officials after the swearing-in ceremony on 16<sup>th</sup> March, 2018 at the Charter Hall.



Embu County Health Department in conjunction with the University staff and students during Embu town clean-up exercise held on 7<sup>th</sup> April, 2018.



Participants of International Development Design Summit (IDDS) after completing a two-week summit held at the University from July 8 - 22, 2018.



KCB officials present a cheque to Dr. Margaret Gikuihi, Chairperson UoEm Council (*centre*) Prof. Daniel Mugendi, Vice-Chancellor (*second right*) and Prof. Eucharia Kenya, Deputy Vice-Chancellor (PAF) (*right*) in support of the 1<sup>st</sup> Annual Conference on Decolonizing Education, held at UoEm Charter Hall from 6<sup>th</sup> - 8<sup>th</sup> June, 2018.



Mrs. Liz Murugi, Head of Admission (*left*), assists first year students during registration process in the University Charter Hall on 27<sup>th</sup> August, 2018.



# Pictorial



Prof. Micheni Ntiba, former Permanent Secretary, State Department for University Education and Research, plants a commemorative tree during the 1<sup>st</sup> Annual Conference on Decolonizing Education held at the University. Looking on is Dr. Margaret Gikuhi, Chairperson UoEm Council (*standing left*), and Prof. Daniel Mugendi, Vice-Chancellor (*second right*).



Prof. Daniel Mugendi, Vice-Chancellor, giving his contribution to support the One Shilling Foundation that helps the needy students, during the inaugural Open Day held at the University Charter Hall on 10<sup>th</sup> March 2018.



Parents and other stakeholders register for the inaugural UoEm Open Day that was held on 10<sup>th</sup> March, 2018 at the Charter Hall.



Prof. Paul Musili Wambua, MCI Arb, Chancellor, UoEm addressing members of staff during the First State of University Address held on 12<sup>th</sup> January, 2018 at the University Sports Ground.



Dr. Madrine King'endo, Dean School of Education (*holding spade*) and Dr. Milkah Nyaga, Coordinator, Teaching Practice & Practicum plant a tree at Irangi Forest during the National Tree Planting Day on 12<sup>th</sup> May, 2018.



Mr. Edger Owenga and Miss. Abigail Kibe, (*seated*) after being crowned Mr. & Miss. UoEm during the 2<sup>nd</sup> Culfest held at the University Sports Ground on 11<sup>th</sup> February, 2018.

# 2017 Graduation Celebrations

# Pictorial



Dr. Joan Oguna, (Mace Bearer) leads the Chancellor's procession to the Graduation Pavillion during the 2017 Graduation Ceremony held on 15<sup>th</sup> September, 2017.



A section of graduands during the 2<sup>nd</sup> Graduation Ceremony held on 15<sup>th</sup> September, 2017.



Prof. Daniel Mugendi, VC. UoEm, addresses the Congregation during the 2<sup>nd</sup> Graduation Ceremony held on 15<sup>th</sup> September, 2017.



Ms. Susan Wairimu (*left*), receives the Chancellor's Award during the 2<sup>nd</sup> Graduation Ceremony after emerging the Best Student Overall. Looking on is Dr. Margaret Gikuhi, Chairperson, University of Embu Council.



Parents follow the proceedings during the 2<sup>nd</sup> Graduation Ceremony held on 15<sup>th</sup> September 2017.



University of Embu students entertain guests and graduands during the 2<sup>nd</sup> Graduation Ceremony held on 15<sup>th</sup> September, 2017.



# Pictorial



University of Embu students cast their ballots to elect the new Student Government on 13<sup>th</sup> March, 2018.



Participants pose for a group photo during the Opening Ceremony of the 1<sup>st</sup> Annual Conference on Decolonizing Education that was held at the University Charter Hall from 6<sup>th</sup> - 8<sup>th</sup> June 2018. The Conference was officially opened by Prof. Micheni Nitba, former Permanent Secretary, State Department for University Education and Research.



Mr. James Kimanathi, Africa Children Education Fund (ACEF) sensitizing staff and students on fire safety after conducting a fire drill in the University on 18<sup>th</sup> June, 2018



Members of staff participate in the medical check-up during the Annual HIV Awareness and Wellness Clinic held on 13<sup>th</sup> June, 2018.



Members of the National Assembly Parliamentary Committee on Broadcasting and the University of Embu (UoEm) Management pose for a group photo after a tour of the UoEm Library.



The Vice-Chancellor, Prof. Daniel Mugendi Njiru presents an award to the best student during the Prize-Giving Day at Umoja Secondary School, Lower Subukia, Nakuru County where he was the Chief Guest.



# Pictorial



Ms. Ann Nyaga, Embu County Executive Committee Member (CEC) Agriculture (*left*), when she visited the University of Embu stand during the Farmers' Exhibition held at Kairuri Market on 23<sup>rd</sup> August, 2018.



Prof. Kiplagat Kotut, DVC (*Academics Research & Extension*) presents University souvenirs to officials from Windle International (Kenya) when they visited the University on 18<sup>th</sup> July, 2018. Looking on is Dr. Jackson Wachira, Registrar (*Academics Research & Extension*) (*right*).



Father Dominic Mugo, Managing Director Consolata Hospital Kyeni (*second-right*) and University of Embu officials led by Prof. Kiplagat Kotut, DVC (ARE) (*third-right*), together with Bishop Paul Kariuki (*centre*), after signing an MoU between the two Institutions on 4<sup>th</sup> July, 2018.



University of Embu Staff join Mr. Reuben Ndwiga, Estates Department (*second left*) in cutting a cake during VC's tea in celebration of his retirement. Mr. Ndwiga has served the University for close to forty years.



Ms. Gloria Muliro, a renowned gospel artist performs during the 2<sup>nd</sup> Cultural Festival (Culfest) on 9<sup>th</sup> February, 2018 at the University Sports Ground.



The Embu County Supreme Council of Elders after paying a courtesy call on the Vice-Chancellor, Prof. Daniel Mugendi on 5<sup>th</sup> September, 2018.



**Dr. Rebecca Yegon, Ph.D.**  
Chairman, Dept. Land & Water Mgt

## Department of Land and Water Management



**Mr. Erick Chirchir, technician in the School of Agriculture taking farmers through the Drip irrigation system.**

**T**he Department of Land and Water Management is one of the three departments in the School of Agriculture. The main focus of the department is sustainable management of the limited resources of soil, environment and water.

The United Nations classifies Kenya as a chronically water scarce country on the basis of having one of the lowest natural water replenishment rates, at 647m<sup>3</sup> per capita per annum which is far below the recommended 1,000m<sup>3</sup> per capita per annum. Estimates of water supply in the country indicate that only about 56% of the population has access to safe water. To address this key National issue, the Department offers various programmes.

These include Diploma in Water Resource Technology, BSc. Water Resources Management and MSc. Land and Water Management programmes to train manpower whose demand is high in Kenya.

The Department has highly skilled Staff who are currently conducting research in water quality, conservation of riverine resources, rain water harvesting and conservation.

Land is a finite resource that must be used sustainably for generations to come. To address the need to increase food production while sustaining the soil and other environmental assets, the Department trains manpower from short courses to PhD. level. The Department offers BSc. in Environmental Science, BSc. in Management of Agroecosystems and Environment. Additionally MSc. and PhD. programmes are offered in Soil Science, Land and Water Management and Management of Agroecosystems and Environment. The MSc. and PhD. programmes in Environmental Science are at advanced stages of development.

The research interests of members of the Department in sustainable land and environmental management include

using soil organisms to degrade wastes, agroforestry, use of GIS to monitor land use changes, organic farming, integrated soil fertility management, drought monitoring, conservation agriculture, monitoring greenhouse gases in land uses among others. The Department is currently implementing three research projects funded by development partners. Members of staff are also sharing their research in peer reviewed publications.

During this Graduation Ceremony, the Department is proud to present competent graduates to address these issues in society. To potential students, you are most welcome to learn how to sustainably manage our land, environmental and water resources. To our collaborators, let's strengthen the partnerships to move our joint agenda forward.

Congratulations our graduands!



## The Department of Physical Sciences



**Dr. Joan Oguna, Ph.D**  
Chairman, Dept. of Physical Sciences

**T**he Department of Physical Sciences is one of the departments in the School of Pure and Applied Sciences. Since its inception in 2013, the Department of Physical Sciences has experienced exponential growth from a student population of 35 to the current population of 410 students with a post-graduate population of 20 students. The Department offers several undergraduate and postgraduate programmes. The undergraduate programmes include Bachelor of Science in Analytical Chemistry, Industrial chemistry, Physics and Bachelor of Science. The postgraduate programmes are Master of Science in Chemistry, Master of Science in Physics, Master of Science in Analytical chemistry, Ph.D in Chemistry and Ph.D in Physics.

The Department of Physical Sciences is committed to promoting excellence in education and research. To this end, the Department has attracted qualified and dedicated faculty in areas of Renewable

Energy, Material Science, Natural Products Chemistry, Physical Chemistry, Analytical chemistry, Inorganic Chemistry and Industrial Chemistry. Moreover, the Department boasts of two adequately equipped laboratories with skilled and dedicated staff.

In its vision, the Department seeks to produce high-achieving professionals who are proficient in modern laboratory and industrial procedures, disciplined and morally upright who excel in leading scientific inquiry process and have broad knowledge in Chemistry and Physics major thematic areas. To accomplish this, the Department has developed robust graduate programmes by conducting curriculum reforms in collaboration with our industrial partnership networks, to match the ever changing needs of the market and to connect with global development through academic exchange programmes. Moreover, the Department adopts a practical based approach to learning that ensures the students acquire

hands on experience that is relevant to their fields.

Further, we cultivate an environment that rewards innovation, determination and old-fashioned hard work. In this regard, the Department, in the last academic year, enrolled four outstanding undergraduate students on MSc. Chemistry scholarship from the University. It is our hope that this initiative will promote competitive academic excellence, besides aiding in capacity-building.

Besides class room exposure, the Department has a vibrant Chemistry Club where students are given the opportunity to have fun with Chemistry, carry out research projects, meet experts in their thematic areas while achieving academic excellence.

In addition, the Department seeks to establish more industrial linkages and collaborations in order to improve the quality of teaching, advance in technological knowledge and enhance its research agenda.

## Performance Contracting



**Dr. Kirema Nkanata Mburugu**  
Director, Performance Management

**T**he University has continuously been implementing the Performance Contract not only because it is a Government requirement but also as a performance

management Tool. In the FY 2017/2018 Performance Contract, a self-evaluation indicated the University achieved a score of 1.8477 which is in the **Excellent** Category. The University has therefore, managed to consistently maintain an **Excellent** Score for the last 4 years.

The University received the 15<sup>th</sup> Edition of Performance Contracting Guidelines for FY 2018/2019 on 24<sup>th</sup> May 2018 from the Office of the Chief of Staff and Head of Public Service and Performance Management and Coordination Office.

The FY 2018/2019 Performance Contract was negotiated with the Ministry of Education on Monday, 16<sup>th</sup> July 2018 and vetted by the Office of the President, Chief of Staff and Head of Public Service, Performance Management and Coordination Office on Wednesday, 1<sup>st</sup> August 2018.

Cascading of the FY 2018/2019 Performance Contract to the specific target owners was done on Wednesday, 8<sup>th</sup> August 2018 and implementation is on-going.

## Directorate of Research and Extension



**Dr. Romano Mwirichia, Ph.D**  
Director, Research & Extension

**R**esearch and Extension (DRE) is mandated to coordinate research within the University as well as tapping all available resources at the local and international level to make it possible for the University to achieve its research and innovation objectives. Through the Directorate of Research and Extension, the University conducts demand-driven state of the art research that generates new knowledge, technologies and innovations that benefit not only the local communities but also the entire Nation. This is in line with the University vision to be a dynamic epicenter of excellence in training and research for service to humanity.

The Directorate of Research and Extension held a one day training on copyright issues for members of staff of the University of Embu, on 27<sup>th</sup> February, 2018. The training brought together participants from the academic staff of the University of Embu majority of them from social sciences.

The training facilitators were Legal Counsels, Mrs. Sharon Chahale and Mr. Howard Okiror from Kenya Copyright Board (KECOBO).

The Deputy Vice-Chancellor (ARE), Prof. Kiplagat Kotut in his opening remarks noted that the training was held on request by the members of staff. He mentioned that teaching and research generate new knowledge which is used to solve problems and he emphasized on the need to protect this knowledge by patenting it and having copyright rights to protect it from being used by others. The Director, of Research and Extension (DRE), Dr. Romano Mwirichia, reiterated that as a University the mandate is to teach, research and disseminate the knowledge generated through extension. He noted that the previous year, members of staff were trained on Intellectual Property and had requested to be trained on copyright.

The Directorate in collaboration with CIRCLE programme organized a two day workshop on grant-writing and results dissemination on the 1<sup>st</sup> and 2<sup>nd</sup> March 2018 for academic staff of the University of Embu. The training facilitator was Dr. Vitalis Wekesa from Dudutech Company. The Director, of Research and Extension, Dr. Romano Mwirichia, underscored the fact that proposal writing is a continuous process in academics and never stops.

The Deputy Vice-Chancellor (ARE), Prof. Kiplagat Kotut encouraged the members present to apply for the grants to increase

their income and for personal development. He noted that writing is not easy but encouraged those present to pursue their areas of research for there is opportunity in every specialty. He noted that it was a competitive process and having two young researchers selected from the University of Embu was a great achievement. In total, there were thirty-four researchers selected from one hundred and twenty-five countries.

The Directorate of Research and Extension also organized a two-day patent drafting workshop on 11<sup>th</sup> and 12<sup>th</sup> June, 2018. The training brought together participants from the academic staff of the University of Embu. After the training, it was agreed that there was need to sign MOU with KIPI and for members of staff to patent their inventions and innovations emanating from their research output and those from postgraduate students they supervise.

There are 37 ongoing research projects out of which 19 have attracted grants amounting to USD. 1,504,068 to the University of Embu. Five proposals were funded by National Research Fund during 2017/2018 financial year. Positive evaluation for other proposals submitted is anticipated. Our staff members have published 37 papers in international journals, up from 28 that were published in the Financial Year, 2016/2017.

## The **Role** of **Mentorship** in Capacity **Building**



Ms. Janet Onyango, TSC Embu County Director, engaging students during a mentorship session held at the University Charter Hall on 8<sup>th</sup> November, 2017.



School of Education Students following keenly during a mentorship session by Ms. Janet Onyango, TSC Embu County Director, held at the University Charter Hall on 8<sup>th</sup> November, 2017.

**M**entorship is a relationship between a more experienced or knowledgeable person (mentor) and a person with less experience or knowledge (mentee). The aim of mentoring is to promote positive change in a mentee while building a healthy relationship with the mentor(s). Mentors assist the mentee in developing skills and knowledge that will enhance the mentee in personal growth and development. They also provide life skills to mentees going into the competitive world of employment as well as promoting soft skills which are not usually captured in the University curricula.

The University has put in place capacity building programmes whereby speakers who are already working and have vast knowledge in various fields are invited to talk to students. The Mentorship Committee has proposed that before the students graduate, they need to be exposed to the following areas: professional ethics, job market skills, leadership and governance among other key areas. Through mentorship the University of Embu is taking lead in developing the youth of Kenya to enhance their employability chances.

Some of the activities that took place in the 2017/2018 academic year include a mentorship session organized by the School of Education and Social Sciences on 8<sup>th</sup> November, 2017 which targeted all undergraduate students in session. The guest speaker was Ms. Janet Onyango, the TSC County Director, Embu County. She discussed the requirements of an

effective teacher and encouraged the prospective teachers to be good role models. She emphasized that teaching is a noble career which needs to be executed with diligence and professionalism.

On Friday 17<sup>th</sup> November 2017, the Department of Mathematics, Computing and Information Technology had a mentorship programme on Modern Software Engineering by Mr. John Opiyo Adams, currently a Technology Consultant at Gebeya Inc. and a Co-founder of Buymore, flanked by Mr. Dominic Mativo, an expert in mobile application development. Mr. Opiyo provided general information relating to Java language, web development, server technologies and android applications. In addition, students were given insights on modern trends in software engineering as well as soft skills required to succeed in software engineering. Mr. Mativo concentrated on mobile application development tools and latest technologies in mobile computing.

The School of Business and Economics invited the Institute of Certified Public Accountants of Kenya (ICPAK) on 22<sup>nd</sup> November 2017 to discuss the role of accounting and finance professionals in Kenya. In addition, on 21<sup>st</sup> May 2018, Kenya Revenue Authority (KRA) from Embu office trained students on iTax where the students would later be deployed in various KRA tax centres.

## Agricultural Economics & Extension



**Dr. Lucy Karega Njeru, Ph.D**  
CoD, Agricultural Economics & Extension

**T**he Department of Agricultural Economics and Extension (ACE) is housed in the School of Agriculture.

The Department currently offers five programmes:- two undergraduate programmes, namely Bachelor of Science Agribusiness Management and Bachelor of Science in Agricultural Education and Extension. The Department also offers a Doctor of Philosophy and a Master of Science programme in Agricultural Economics. Currently the Department has a total of nine members of staff: six lecturers, two tutorial fellows and one graduate assistant.

Since its inception in 2013, AEE Department has had many

achievement:-

1. The department has graduated a total of 115 candidate. In 2016, a total of eight students graduated with BSc Agricultural Education and Extension and thirty students graduated with BSc Agribusiness Management.

In the year 2017, the Department graduated a total of thirty one students of BSc Agricultural Education and Extension and forty six students of BSc Agribusiness Management.

2. Initially the Department did not have a single staff with a Ph.D, but currently there are six members of staff with Ph.Ds in various field of specialization, indicating great achievement in terms of the qualification of the academic staff. In the previous 2017/2018 Academic year, the staff members managed to present eleven publications with different peer reviewed journals.

3. The Department has a total of eleven post graduate students. Three students have enrolled for Ph.D in

Agricultural Extension while the remaining eight have enrolled in MSc Agricultural Economics. All these students are at different levels of their proposal development.

4. The Department has made a tremendous progress in the process of development of new curricula. Three programmes have since been developed and all have been discussed in a stake holder's forum. These programme are Ph.D in Agricultural Extension, Msc Agricultural Extension and BSc in Agricultural Economics. Development of new curricula in Agricultural programmes is in line with Governments' efforts to meet its Big Four Agenda which among other aspects would create jobs that will enable the citizen meet their basic needs and transform their livelihood and well-being. Specifically, the new programmes in the AEE Department are aimed at contributing towards realization of food security and nutrition.

## The Role of Mentorship

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This was followed by another day of mentorship on 31<sup>st</sup> January 2018 whereby Mr. Michael Okinda, Manager Consolidated Bank was invited to talk to students in the School of Pure and Applied Sciences. His presentation was titled 'Becoming a Passionpreneur' and covered the following topics: Lack of jobs among the youth, How to become a star, Personal branding, Job search techniques and Creating your CV. On 28<sup>th</sup> March 2018, he was invited again to mentor the 4<sup>th</sup> year

students on 'Beyond Your Degree'. He explored areas such as CV writing, job search, interview management, entrepreneurship and intrapreneurship.

Later, on 14<sup>th</sup> February 2018 the School of Agriculture invited Mr. Gerald Muthomi who is a renowned Entrepreneur in Agriculture and is also the Director of Meru Greens Company. He discussed matters of Agricultural Entrepreneurship and advocated that entrepreneurship is mainly to see gaps and take a chance

to create something new and of value. Students were encouraged to be innovators who can recognize and seize various opportunities and then convert opportunity into workable and marketable ideas. This would make them add value through time, money, efforts or skills and assume risks of competitive market. He concluded by urging students to identify the gaps and opportunities that can help them create goods and services.

## 1<sup>st</sup> Training Workshop for Plant Breeding Students



Plant breeding postgraduate students drawn from Kenya, Rwanda, Ethiopia, Tanzania and Zambia universities pose for a picture during a training Workshop held at the University on 5<sup>th</sup> to 15<sup>th</sup> June 2018.

The University of Embu hosted a training Workshop for Plant Breeding Students from 5<sup>th</sup> to 15<sup>th</sup> June 2018. The two-week intensive training workshop organized by Kirk-house Trust in joint collaboration with the University of Embu aimed at building capacity for Plant Breeding postgraduate students. The Workshop also aimed at enhancing the postgraduate students practical skills in statistics and genetics to make them more technical and science-based. The plant breeding postgraduate students were from universities drawn from Kenya, Rwanda, Ethiopia, Tanzania and Zambia.

The two-week Workshop programme brought together international and local scholars, researchers and students from various countries to Embu to debate crucial issues affecting food production and enhancing skills of postgraduate students with advanced and up-to-date techniques in statistics, quantitative and population genetics.

African agriculture is facing the challenge of food production due to the increase in population. One of the ways of managing this challenge is by developing new cultivars and improving agricultural production through the use of sustainable production methods. In this regard, strong plant breeding projects are therefore essential to ensure sustainable agriculture.

“In order to achieve the goals of delivering food security, environmental sustainability, and economic opportunity, it requires a transformation of the agriculture sector and leveraging on research-based approaches through a coordinated effort by all stakeholders, including universities, researchers, farmers, government, civil society and the private sector,” said Professor Kiplagat Kotut (*Deputy Vice-Chancellor*) representing the Vice-Chancellor, Professor Daniel Mugendi during the official opening of the Workshop on Wednesday 6<sup>th</sup> June, 2018. “This is the reason why researchers must put their sights on developing modern breeding

“In order to achieve the goals of delivering food security, environmental sustainability, and economic opportunity, it requires a transformation of the agriculture sector and leveraging on research-based approaches through a coordinated effort by all stakeholders, including universities, researchers, farmers, government, civil society and the private sector”;

*Prof. Kotut, DVC (ARE)*

methods,” Professor Kotut added.

Professor Kotut also stated that the University will continue to work closely with Kirk-house Trust to support the production of new varieties of local crops to mitigate losses. He emphasized that there is need to strengthen and promote research skills among postgraduate students in order to make a meaningful contribution to the society.

The Workshop catapulted the University of Embu to the global stage as an epicentre of excellence, for hosting such training with scholars, students, and researcher from five different countries converged at the University.

Dr. Kelvin Kamfwa, the lead researcher from the University of Zambia believes that much more can be done by equipping post-graduate students and enhancing their skills with up-to-date techniques in quantitative statistics, population genetics, and genomics to make them more technical and science-based.

# ISO certification

## University achieves Certification to ISO 27001:2013 and Re-certification to ISO 9001:2015



University of Embu Management and Staff during the launch of ISO 9001:2015 Quality Management System and certification to ISO 27001:2013 during the VC's Tea on 4<sup>th</sup> December, 2017.

**O**n 28<sup>th</sup> June 2018, the University of Embu became not only the first University but also the first education Institution in Kenya to attain ISO 27001:2013 Certification. ISO 27001:2013 is an internationally recognized standard for Information Security Management Systems (ISMS).

The certification and implementation of the Information Security Management Systems is hedged on 3 key areas; Confidentiality, Integrity, and Availability. These key areas will ensure that information is secure and complies with the highest standards of Information Security Management. The certification also reaffirms the University's continuous effort in redefining its processes and ensuring security, accuracy and availability of information.

The landmark achievement is also coupled with the recertification to ISO 9001:2015 Quality Management Systems. The transition from ISO 9001:2008 to ISO 9001:2015 validates the University's unrelenting adherence to best practices and processes.

"The journey to recertification ISO 9001:2015 was not a walk in the park. This is a major accomplishment for the University. I strongly believe transiting from ISO 9001:2008 QMS to ISO 9001:2015 and certification to ISMS based on 27001:2013 standards will transform the University of Embu and elevate its rank," says Professor Daniel Mugendi, University Vice-Chancellor.

Professor Mugendi lauded the efforts of the steering committee for their unrelenting undertaking in accomplishing the impossible task. He singled out Professor Kotut, Quality and Information Security Management Representative for spearheading the project.

"It's my belief that recertification to ISO 9001:2015 Quality Management System and certification to ISO 27001:2013 is an affirmation of the Institution's ability to consistently demonstrate its commitment to best practice, efficiency and sustainability;

an indication that in the University of Embu, excellence comes first," added Professor Kotut, the Deputy Vice-Chancellor Academic, Research and Extension (DVC-ARE) and Quality and Information Security Management Representative (QISMR). "Our guiding principle is Excellence in Service Delivery. It is our commitment to always strive to meet and exceed the expectations of our customers," he added.

The QISMR said that he believes that implementation of the two systems would streamline all the University's processes. He was quick to recognize that Dr. Kirema Nkanata, Director PC & ISO played a pivotal role in bringing the project to conclusion and spearheading the implementation of the standards.

"We are determined to continue implementing the Quality Management and Information Security Management Systems. Information security and quality service delivery are the top priority for the University of Embu," said Dr. Kirema Nkanata, Director PC & ISO. "The attainment of these standards boosts the confidence of all our stakeholders that we are not only fully focused on quality standards but ensuring confidentiality, availability and integrity of information," he added.

The development of risk registers, procedure manuals, policies and guidelines of the University processes will not only ensure consistency in service delivery but also compliance to statutory and legal requirements. It will also prevent leakage of information, boost customer confidence and aid in decision-making.

The achievement comes after the University went through an eight step comprehensive process guided by Maier Consulting Limited from May 2017 to June 2018.

The University of Embu is proud of and remains indebted to all stakeholders for their role in making it a world-class Institution.

## The Long Road to ISO 9001:2015 (QMS) Re-certification and ISO 27001:2013 (ISMS) Certification



**Q**uality Management System (QMS) and certification to ISO 27001:2013 Information Security Management Systems (ISMS) adhered to the following road map;

The first step was the decision by the University Management Board to implement both ISO systems. The decision to seek recertification to ISO 9001:2015 was based on the fact that the University's certificate to ISO 9001:2008 was expiring. Further, the University had realized immense benefits from the implementation of the Quality Management System for the last three years. These include: enhanced customer satisfaction resulting from improved service delivery; integration of processes into a system which has enabled members of staff to understand their roles within the organization, hence increasing the sense of purpose, and; importance of our work, among others.

The decision to implement ISO 27001:2013 on Information Security Management System was based on the need to enhance confidentiality, integrity and availability of information which are

the key principles of the ISO standard. This was based on the fact that there has been information related challenges facing universities, including leakage of examinations and other confidential information, missing marks, acceptance of forged certificates during admission, graduation of unqualified students, among others. Although University of Embu had not encountered these challenges, it remains vulnerable.

The second step involved procuring and bringing an expert on board to assist in the implementation of ISO 9001:2015 Quality Management System and ISO 27001:2013 Information Security Management System. This was done through an open tendering process in which eight (8) consulting firms participated. It was won by Maier Consulting Limited.

The third step was training of Top Management on both standards with the aim of informing them of the requirements of both systems and their role in the implementation process. This was done on 8<sup>th</sup> May 2017. According to clause 5 of both ISO Standards, Top Management is

expected to demonstrate leadership and commitment with respect to the Quality and Information Security Management Systems.

The fourth step involved conducting implementers training, targeting middle managers or process owners. This is because they have the direct responsibility of implementing or ensuring implementation of the systems in their departments and sections. The trainings were conducted for three days for each standard, ISO 9001:2015 (QMS) and ISO 27001:2013 (ISMS), on 9<sup>th</sup> – 11<sup>th</sup> May 2017 and 17<sup>th</sup> – 19<sup>th</sup> May 2017 respectively. A total of Ninety (90) process owners were trained and certified. Further, at the end of the training, the scope of both systems was defined as to cover Training, Research, Extension and all support services in the University.

The fifth step was gap analysis and process determination. This was meant to determine the processes already in place and those that needed to be developed. It also informed the development of documentation covering all the University processes. These included; Quality and Information Security Policy Statements,

## Road to ISO Certification

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Management System Scope and Responsibilities, University's QMS and ISMS context, Policies, Procedures, Guidelines, Risk Registers and QMS & ISMS Objectives at all functional levels. This was a comprehensive activity that was conducted by process owners in working retreats held on 16<sup>th</sup> – 21<sup>st</sup> July, 2017 for QMS and 21<sup>st</sup> – 25<sup>th</sup> August, 2017 for ISMS. After the documents were developed, they were discussed at departmental and sectional levels and validated on 9<sup>th</sup> – 13<sup>th</sup> October 2017.

To promote understanding of the implementation requirements of both standards by members of staff, awareness training for all employees of the University was created on 31<sup>st</sup> October, and 1<sup>st</sup> November, 2017. The systems were then launched on 4<sup>th</sup> December, 2017 which marked the official date when the University started implementing ISO 9001:2015 and ISO 27001:2013 in all its operations.

The sixth step was training of Internal Quality Auditors. This was meant to equip them with knowledge and skills of auditing the ISO systems so as to internally check the adherence of members of staff to the requirements of the standards, procedures, policies, risk registers and other legal and regulatory requirements. They underwent a three day training for each system on 14<sup>th</sup> – 16<sup>th</sup> February, 2018 and 19<sup>th</sup> to 20<sup>th</sup> February, 2018 for ISO 9001:2015 and ISO 27001:2013 respectively. At the end of the training; the participants went through a practical and theory examination that resulted to the qualification of fifty four (54) as Internal Auditors for both Systems.

The seventh step involved conducting of Internal Audits. A combined internal audit was held on 13<sup>th</sup> – 15<sup>th</sup> March, 2018 whose results showed that the University is implementing the Quality Management System to a greater extent (85.85%) that meets the requirements of ISO 9001:2015 Standard, commitments in University QMS procedures and adherence to relevant legal and regulatory documents in its operations. On ISMS, the audit conclusion

was that the University is implementing the Information Security Management System to a greater extent (87.87%) that meets the requirements of ISO 27001:2013 Standard, ISMS procedures, ISMS policies, ISMS guidelines, risk registers and relevant legal and regulatory documents applicable in the University operations. Non-conformities and areas for improvement were identified in all departments and sections and were to be addressed before the certification

observations raised by the auditors.

The final step was application for certification which was made to Kenya Bureau of Standards (KEBS) in April 2018. On 25<sup>th</sup> April 2018, KEBS sent a team of auditors to conduct Stage One Audit whose objective was to confirm the readiness of the University for Stage Two Audits, also known as certification audit. At the end of the audit it was concluded that QMS & ISMS being implemented at University of Embu meets the requirements of ISO 9001:2015 &



Ms. Betty Chebet, from Maier Consulting Ltd engaging the University of Embu Staff during the ISO Internal Auditors training held on 14<sup>th</sup> February, 2018 at the University.

audits. As per the requirements of clause 9.3 of both ISO Standards a Management Review Meeting was held on 16<sup>th</sup> April, 2018 in which the performance of the systems and opportunities for further improvement were discussed.

Consultants from Maier Consulting Limited also conducted an audit of the systems on 17<sup>th</sup> -19<sup>th</sup> April, 2018 to check the readiness of the University for Certification Audits. Twenty one (21) departments were sampled and audited on both ISMS and QMS. The conclusion of the audit was that the University was ready for ISO 9001:2015 & ISO 27001:2013 certification audits upon addressing the nonconformities and

ISO 27001:2013; and the auditors therefore, recommended that the Institution be scheduled for Stage Two audit/Certification Audits which were conducted on 29<sup>th</sup> and 30<sup>th</sup> May, 2018 by a team of four Lead Auditors from KEBS.

The audit conclusion for ISO 27001:2013 was that the implemented Information Security Management System meets the requirements of the audit criteria, applicable legal and contractual requirements, is effective and that the University can reasonably expect to achieve ISMS objective. The Auditors therefore, recommended the University for Certification to ISO 27001:2013.

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## Road to ISO Certification

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On ISO 9001:2015, the auditors concluded that overall, the Quality Management System (QMS) at the University has been adequately implemented. It further indicated that there was evidence of effectiveness and continual improvement. There was also evidence that the System is able to meet the statutory, regulatory and

contractual commitments. The auditors therefore, recommended the University for Certification to ISO 9001:2015. Following the recommendations of the KEBS' team of lead auditors, the University was certified to ISO 9001:2015 and ISO 27001:2013 on 28<sup>th</sup> June 2018, making the University of Embu not only the first University but also the first

Education Institution in Kenya to be certified to ISO 27001:2013 on Information Security Management System, and among the few to have transited to the new ISO 9001:2015 Quality Management System.

Congratulations to the University on the attainment of this key milestone.



## University Timetabling



**Stephen Mbunzi,**  
University Timetable  
Coordinator

The Timetabling Unit is mandated to plan, organize and facilitate the implementation of quality teaching, research work and examinations of the University Programmes through provision of Lecture Halls and other teaching facilities.

The Unit has achieved the following two components:

1. Addition of a Lecture Hall (Multi-Purpose Hall, MPH), the 1<sup>st</sup> floor of the Old library which can accommodate between 180 – 250 students.
2. Development of a student app in conjunction with the ICT Department to enable students get all teaching and examinations timetables on time.

## University Set to Unveil its first 10-Year Strategic Plan

**T**he University of Embu will unveil its first 10-year Strategic Plan since its award of the Charter on 7<sup>th</sup> October 2016, by H.E. The President, Hon. Uhuru Kenyatta.

The 2018-2028 Strategic Plan will be a landmark achievement as the University cements itself as a global leader and a centre of cutting-edge research. The 10-year Strategic Plan journey will act as a guide and give a strategic and sharp focus on the institutional priorities and activities.

The development of the 10 Year Plan is in tandem with realization of the University's first 2014-2018 Strategic Plan which gave the direction to the Constituent College with main focus on growth development geared towards attainment of the Charter.

The unveiling of the 2018-2028 Strategic Plan comes after a rigorous engagement with all key stakeholders, taking stock of what has been achieved in the previous strategy, a critical analysis of the current status of higher education sector as well as a projection of select activities that would further the achievement of the Institution's mission of service to society.

The Plan captures the aspirations of the University and that of its founders, the Country's requirements for manpower needs in the realization of the Kenya Vision 2030. The 2018-2028 Strategic Plan will not only position the University as an academic giant but will be keen on aligning itself with the Government of Kenya 2018-2022 Medium Term III development agenda and the implementation of Sustainable Development Goals (SDGs); the Kenya Vision 2030; and the Constitution of Kenya 2010; and the Big Four Action Plan. The University Management is ardent to spearhead implementation of the Big 4 to contribute to food security by making agro-processing its niche, provide a lead in agro-manufacture such as fertilizer formulation, other agricultural input that boosts productivity.

The Strategic Plan will put microscopic focus on these key areas:

- 1) To develop and enhance infrastructure and systems for effective service delivery;
- 2) To enhance human capital management through the integration of best practice in the recruitment, management and optimization of the workforce;
- 3) To promote effective governance and leadership practices;
- 4) To expand the capacity of the University operations and services;
- 5) To establish and expand linkages, partnerships and collaborations

with other institutions; and

- 6) To achieve financial stability and enhance long term sustainability.

In the provision of affordable healthcare, the University has partnered with the County Government of Embu to start a School of Medicine and lobby for the upgrading of Embu Level 5 hospital into a Teaching and Referral Hospital. These are a few areas the 2018-2028 Strategic Plan will be keen to capitalize to the realization of Kenya's Vision 2030, which envisages a globally competitive and prosperous Country by 2030.

*"The Strategic Plan will play a critical role in guiding Management in its endeavour to position the University as a major player in the Country's development agenda", says Vice-Chancellor, Prof. Daniel Mugendi. "It reaffirms the University commitment to achieving the vision of being a dynamic epicentre of excellence and cutting-edge research for service to humanity," he adds.*

*"Aligning the University 2018-2028 Strategic Plan with the Country's big four agenda, the University has positioned itself to providing relevant human capital, address challenges and develop innovations for service to humanity," says Prof. Eucharika Kenya, Deputy Vice-Chancellor, Planning, Administration & Finance. "The successful implementation of this Strategic Plan will transform the University of Embu, enhance its contributions to the Country and elevate its rank among the world-class institutions of higher learning," she adds.*

The University of Embu has grown tremendously in the last 5 years. From the initial student population of 123 of the first batch of government-sponsored students admitted in April 2013 to the current enrolment that stands at over 5000 students. The University started with two Schools with a handful of programmes to the current five Schools with over 30 programmes right from certificate level to postgraduate level. As part of the University's growth strategy, the Institution through various schools is actively involved in developing a variety of market-driven programmes, ranging from certificate to doctorate level in line with stakeholder's needs.

However, for the implementation to be successful, the commitment of staff and all other key stakeholders is paramount. It's equally important as a University we sustain the relevance of our Academic Programmes and continuous improvement of our teaching, learning and research programmes in order to our goal of being an epicenter of excellence.

## Office of The Co-ordinator, Third Stream Income



**MR. SAMUEL GITONGA**  
Co-ordinator  
Third Stream income

**T**he office of the Co-ordinator, Third Stream Income (TSI) is mandated to enhance revenue generation from existing income generating units and identify new business projects that the University can invest in and sustainably generate funds to complement Government funding to finance both development and recurrent expenditure.

In order to fulfill its mandate, close working relationships have been established with Corporate Affairs, Farm, Admissions, Catering and Estates departments, among others. To achieve this, the University Management established two committees, Publicity and Farm Management Committees to aid the office in achieving its mandate.

The last one year has registered successes in various projects and activities that the office has been undertaking:

### Increase in Student Enrollment

The Publicity Committee, develops and implements marketing strategies to recruit new SSP students, establish and maintain a working relationship with institutions that the University partners with in recruiting students and enhance the general University visibility.

The University has successfully held a Career Day for Secondary Schools in Embu and neighbouring counties, Open Day for immediate University stakeholders and participated in

individual school and county Education Days in the region.

### Increased University Farm Productivity

During the last financial year, the Farm Management Committee undertook three major projects that have increased farm revenue. Firstly, the construction of a new piggery unit has been completed and has a capacity of rearing a breeding stock of 50 goats, 10 boers and 200 piglets. The unit has been fully stocked and piglets are sold to farmers in the region. Secondly, the poultry unit has been modernized by installing battery cage system units that has increased the number of birds from 500 to 2,500. The poultry products are consumed within the University and the surplus sold to external markets.

Thirdly, the Committee has ensured that the farm produces milk, poultry products and horticultural produce needed by the University Catering Department. This ensures that the University cushions itself from erratic product supply, price fluctuations by external sources and realizes overall cost-reduction.

This office is currently undertaking the following income generating projects that will boost revenue for the University:-

### a) Fish Farming Project

The construction of a fish greenhouse is ongoing and will have a capacity of rearing 15,000 fish of tilapia and cat

fish varieties per season. The project will also produce fingerlings for sale to farmers in the region. Table size fish will be sold internally to staff and students and targeted external markets. In addition, this project will be a model training unit for students, farmers and institutions in the region.

### b) Installation of an Irrigation System

The Farm Management Committee is installing overhead and drip irrigation systems in a bid to increase horticultural productivity, expand land under cultivation and sustainably produce for the increasing internal markets and supply identified markets.

### c) Water Bottling Unit

In a bid to reduce the cost of purchasing bottled water for internal consumption in meetings and conferences, this unit is planning to install a medium-sized water bottling unit for production of 500mls and 20 litre bottle sizes. However, the unit will expand to produce water for sale in external markets in the region once all statutory requirements are fulfilled.

This office will continually identify opportunities for investment and cost reduction for the university and monitor the performance of all income generation projects for sustainability.



**Ms. Gladys Atambo**  
Ag. HR Manager

## We Focus on Performance and Self-fulfilment



**Mr. Maurice Oduor, Cytonn Senior Investment Manager sensitizing University of Embu Staff on wealth creation and management at the University Library held on 11<sup>th</sup> October, 2017.**

In an ever changing and fast-paced corporate world, training and development is an indispensable way to creating a competitive organization.

It describes the formal efforts that are made within an organization to improve the job performance and self-fulfillment of its employees through a variety of educational methods and programmes.

There is enormous value in organizing training and development sessions for employees. This allows employees to acquire new skills, sharpen existing ones, perform better, increase productivity and become better leaders. Since an organization is the sum total of what employees achieve individually, organizations should do everything in their power to ensure that employees perform optimally.

More and more organizations have embraced continual learning and other aspects of training and development as a means of promoting employee growth and acquiring a highly skilled work force. The University of Embu is

no exception.

The University recognizes that the quality of its employees and the continual improvement of their skills and productivity through training is a vital factor in ensuring the long-term success and achievements of its goals.

Through the training needs assessment carried out every financial year, the University is able to identify an employee's current level of competence, skills or knowledge and any gaps or areas of need. This is then analyzed by the Human Resource Department and forwarded to the Training Committee whose mandate includes coming up with a training programme for the financial year.

In 2017/2018 financial year, and in line with implementation of the Training Calendar, various trainings were organized to empower the members of staff to have all the technical skills needed to perform their job efficiently and smoothly. The Performance Management Training for Heads of Departments and Heads of Sections was aimed at empowering them with requisite skills needed to

work together with employees to plan, monitor and review employee's work objectives or goals and their overall contribution to the organization. Minute and Report Writing training was also conducted. Its focus was to impart participants with necessary minute and report writing skills to effectively deliver accurate minutes and reports within specified timelines.

The University also recognizes that personal development is important to its members of staff and aims at equipping them with vital skills for their personal life. In line with this objective, Pension Management Workshop was organized in order to equip the members of staff with an overall understanding of the benefits of membership to the University Pension Scheme and how the pension fund is managed. Likewise, Wealth Management Training was carried out with the aim of enhancing financial knowledge and empower members of staff with skills to enable them make informed decisions on the personal and organization decisions.



**Prof. Eucharia Kenya,**  
DVC (PAF), Chairman,  
Conference Organizing Committee

## University Holds First International Conference

“Transformative Education- Speaking for Africa”.

**T**he University of Embu (UoEm) organized the 1<sup>st</sup> Annual International Conference on Decolonizing Education from 6<sup>th</sup> – 8<sup>th</sup> June, 2018. The Conference theme was *Transformative Education - Speaking for Africa*. This was a build up from the inaugural *Decolonizing the Spirit Conference* held in June, 2016, thus igniting scholarly interest to examine the concept of Decolonizing Education in the 21<sup>st</sup> Century. The theme was chosen as it espouses the University’s desire to begin a conversation geared towards drawing a roadmap for decolonizing African education through Afrocentric scholarship and discourse. This event was presided over by the then Principal Secretary, State Department for University Education and Research, Professor Micheni J. Ntiba and attended by scholars, researchers, religious leaders, media, educators and policy makers. Participants were drawn from local and foreign institutions including the University of Toronto, Canada, Department of Basic Education, South

Africa and Gulu University, Uganda. Participants from local universities such as University of Nairobi, Jomo Kenyatta University of Agriculture and Technology, Kisii University, Karatina University, Kaimosi Friends University College, Moi University, Chuka University, Kenya Methodist University, Kenyatta University, Alupe University College, Rongo University and Multimedia University left an indelible mark in the history of the Conference. Other educational and research partners that were represented include the Ministry of Education, Kenya Institute of Curriculum Development, Centre for Mathematics, Science and Technology Education in Africa (CEMASTEA), Kenya Institute of Organic Farming, Ground Water Institute and Embu County Government.

The Conference sought to bring together participants from various disciplines with an interest in looking at African scholarship from an African perspective, and transforming the education landscape by proactively speaking for Africa. In addition, it

intended to examine knowledge production through indigenous pedagogies and resistance to colonial and post-colonial intellectual domination.

### Conference organization

The opening ceremony initiated the events of the Conference with key note speeches from the Chairman of the Planning Committee, Prof. Eucharia Kenya, the Vice-Chancellor, Prof. Daniel Mugendi, Chairman of the University Council, Dr. Margaret Gikuhi and the Chief Guest. Subsequently, high level panel discussion on decolonizing education brought the participants to life on the Conference theme. The rest of the Conference period was marked by oral presentations from participants preceded by keynote presentations during plenary discussions.

The Management of the University of Embu and the Conference Planning Committee wishes to thank all the supporters, guests and the participants for gracing the Conference. We hope to see you back in future conferences.

# Corporate Social Responsibility

## University on Corporate Social Investment



**Ms. Evelyn W. Njogu**  
Senior Administrative Assistant



Ms. Evelyn Njogu, Senior Administrative Assistant (right) with Rev. Sister Magdaline Njoka, Patron, St. Angela Embu Childrens' Home (third right) when the University donated firewood to the home as part of its Corporate Social Investment initiative.

**T**he University of Embu is committed towards service to humanity as enshrined in its vision and mission statements. As customers, employees, suppliers and the society at large place increasing importance on Corporate Social Investment (CSI), the University of Embu is focused at it as a creative opportunity to fundamentally enhance quality service delivery while simultaneously contributing to society. Thus, University Corporate Social Investment is geared towards addressing real needs in the community.

### PROTECTING THE ENVIRONMENT

The University recognizes the need to protect the natural environment to keep clean and unpolluted. Following best practices when disposing garbage and using chemical substances is a stewardship role that is a benefit to all. In the spirit of CSI, the University collaborated with the County government of Embu and Tenri-Embu in conducting clean-up activities within Embu Town. This aimed at checking the menace of litter within Embu Town, while demonstrating that caring for the environment is of paramount importance and a responsibility for all.

To mark the County Tree Planting Day, the University staff and students joined the Kenya Forest Service in Irangi Forest for a tree planting exercise, guided by the theme *Panda Miti, Penda Kenya Initiative*.

### WORLD ENVIRONMENT DAY

The University of Embu collaborated with Embu County Government for a town clean-up in commemoration of the World Environment Day 2018. Within the theme of *Beat Plastic Pollution* with the slogan *Greening the Blue*, awareness was raised on the importance of saving the world's seas and oceans from pollution through human activities that pose a danger to marine life.

### DONATIONS AND AID

The University of Embu recognizes the need to address the concerns of various stakeholders and legal requirements and to create shared value. Thus, as part of Corporate Social Investment, the University makes donations in kind with the aim of advancing education, community initiatives and alleviating those in need. In response to a need raised by the management of St. Angela Embu Childrens' Home, the University has a standing arrangement to contribute firewood with the aim of facilitating care for the children, especially during the cold season. The sister in-charge

has lauded the support and thanks, the University Management for the continued support.

St. Angela Embu Childrens' Home is a place that provides a residence to orphans and children with no care givers. The home is a safe haven for children, provides basic needs of food, shelter, clothing and opportunity to get education. University of Embu is cognizant of the fact that children need to feel secure despite not having parents or care-givers.

The University in its CSI mandate is committed to improving sustainability, welfare and wellbeing of the community. The University is further committed to supporting development initiatives that are shaped around the wider socio-economic needs of our society.



“Your greatness is measured by your kindness; your education and intellect by your modesty; your ignorance is betrayed by your suspicions and prejudices, and your real caliber is measured by the consideration and tolerance you have for others”. *Rev. William Boetcker - American political conservative*

## Partnership with MIT Based International Development Innovation Network



**PROF. EUCHARIA KENYA, Ph.D**  
DVC (Planning, Administration & Finance)

### CREATIVE CAPACITY BUILDING (CCB) WORKSHOP AT THE UNIVERSITY OF EMBU

Creative Capacity Building (CCB) Workshop was held at the University of Embu from 24<sup>th</sup> to 28<sup>th</sup> April, 2018 under guidance and sponsorship of IDIN. This was a precursor to the International Development Design Summit (IDDS) in July, 2018. The objective was to gather information on the feasibility of hosting a summit in Kenya and to introduce the local community and the University to the expectations of the IDDS Kenya - 2018.

**T**he International Development Innovation Network (IDIN) is a programme led by the Massachusetts Institute based Technology D-Lab, implemented by a global consortium of academic, institutional, and innovation centre partners and supported is part of the U.S. Global Development Lab. The Network is made up of more than 1,000 dynamic innovators from around the world who share a common experience. This partnership yielded the hosting of the International Development and Design Summit hosted for the first time in Kenya by the University of Embu (IDDS Kenya - 2018).

#### The IDDS Kenya 2018

The theme for IDDS Kenya - 2018 was Financial Inclusion and it was organized as a two-week summit from July 8 - 22, 2018. The Summit has a special focus on developing solutions for Financial Inclusion, a new way to bring financial services to communities in the rural areas of Kenya. Financial Inclusion explores diverse set of products, services and resources used to approximate, create and disseminate financial wellbeing. The expected outputs of this summit will include a mix of hardware and software to help participants and the bigger community increase their income base as a result of prudent financial management.

#### MoU between UoEm and IDIN

The University intends to join this IDIN Consortium and network so as to continue the training and follow-up the effectiveness of the IDDS Financial Inclusion initiative. Besides, the University envisages becoming a Centre of Creative Innovation and looks forward to a continuing partnership with IDIN.

#### WHAT IS IDDS?

The International Development Design Summit (IDDS) is an intense, hands-on, community-based design training. It is conducted by a diverse group of people who teach co-creative design processes and how to develop prototypes of low-cost technological solutions to improve livelihoods of people living in low income brackets. IDDS began at Massachusetts Institute of Technology (MIT) in 2007 and there have since been 22 summits across 12 different countries, creating over 100 successful ventures.

## My Experience at The University of Embu



**Dancan Othuon**  
Chairman, UESA (2017/2018)

In June 2014, I stepped into one of the cyber cafes in my village ready to make application for a course and a University I wanted to go. Embu seemed a distant town but the thought of going to unfamiliar town seemed fun. I thought it would broaden my horizon as I had already laid plans and dreams to become a financial analyst. "University of Embu here I come," I thought.

8<sup>th</sup> September, 2014 seems like yesterday. The long awaited day had come. I alighted at the gate of the then Embu University College. Registration did not take long. It was a gloomy world for me before I got to know my three roommates.

As we went along with studies, I realized that the social side of things and developing as a person are equally important. Unlike high school where you're told what to do, the University life leaves you to be your own boss. I found it pertinent to socialize and meet new friends. The academics side from day one: the academic staff on my programme were very noble at explaining complex ideas and concepts. UoEm offered students a balance between academic work and practical skills. There was always a chance to put into practice what has been learned in the lecture hall, be it in the field, the labs or with animals at the University farm.

Throughout the four years of study at UoEm, life was interesting with challenges here and there. While

staying at the University Hostels, everything was cool - no cooking for yourself, no washing utensils, no stress of electricity and water bills. The University was kind enough to support the very needy students with meals to avoid personal problems affecting their studies.

Time flew as population grew exponentially and we, had to seek for accommodation outside the University, so as to leave the hostels for the coming first years. It was great experience living in rented accommodation. It was difficult at first, with doing your own washing, ironing and cooking, but I soon got used to it.

One of the major things the University taught me is to be independent and budget properly. The access to HELB loan and various holiday jobs were a source of income that kept me going and this applied to most of the students. The UoEm became home away from home. I became independent and I had to stand on my own two feet. I admire students who managed to live on just HELB loan.

I also learnt to balance academics, leadership and social life. I was quite involved in our Student Association activities right from the word go. I wanted to do something that was outside my course so I could serve my constituents, attend conferences, learn new things and meet new people. I joined Student's Government in 2016 as a School Representative and in

2017 I was elected the Chairman of the Students' Association, a position I served up to March 2018.

I'm happy that the University's major concern was not only academics performance but also holistic growth of the students. I benefited from regular mentorship programmes organized by the University, which made me grow holistically as a person.

I came onto campus four years ago with a fixed mind of academic excellence. 1,359 days later, I leave this campus having had my world opened up. I had wonderful Lecturers who challenged me, taught me to question and criticise, to aspire to be intellectually rigorous. I had senior members of Management who gave me listening ears and taught me not to be content with easy answers or slogans, who showed me that no one has a monopoly on truth. I leave having had a lot of fun. I leave having made lifelong friends; friends with whom I shared houses, consulted and worked with in the Students' Government.

In summary, University has been the best time of my life. It's four years of hard work and great fun. I therefore congratulate the Graduating Class of 2018 for their resilient hard work in the four years.

Congratulations Class of 2018.

Dancan Othuon  
Chairman, UESA (2017/2018)



## Embuvarsity SACCO Shines at the International Cooperative Alliance (ICA) Day, 2018



Embuvarsity Society Sacco officials lift trophies awarded during the International Cooperative Alliance (ICA) celebrations, for excellent performance.

**E**mbuvarsity SACCO was recently awarded with two (2) trophies on 7<sup>th</sup> July, 2018 during, International Cooperative Alliance (ICA) celebrations, for excellent performance in two categories in the year 2017, which are;

- i) Position number three (3) in highest interest on deposit rate in the category of urban SACCOS in Embu County.
- ii) Position number three (3) in highest deposit per member in the category of urban SACCOS in Embu County.

The SACCO, ranked among the fastest growing SACCOS in Embu County, is a savings and credit society that was founded in the year 2013 by the members of staff of the then Embu University College.

Registered under the Ministry of Industry, Trade and Co-operatives under the number CS/15548 the sacco, draws its members

from employees of the University of Embu, their spouses and children. Since inception, the society, through a strong leadership, has instituted a system that has ensured progressive growth and increased confidence and support from its members. The initial membership in the year 2013 was a paltry 65; but has grown to reach over 220 in 2018.

These members have accrued cash deposits of approximately Kshs 32 million. Interest on deposit has improved from 2.5% in 2014 to 8.0% in the financial year 2017. The SACCO offers five loan products namely: Emergency Loan, Normal Loan, Super Loan, Okoa Member Loan and School Fees Loan. In addition, we offer our members an opportunity to save an amount of their choice (Christmas Kitty) for Christmas expenditure. This amount is only refundable the third week of December.

The SACCO is run by a Management Committee comprising of seven (7) members. Their role is to develop policies

that direct the operations of the SACCO for the benefit of members. The SACCO also has a Supervisory Committee that examines existing systems, procedures, and records, and recommends areas of improvement to the SACCO management. Under the two Committees is a staff member, who is in-charge of all office operations.

### Future growth prospects

- 1) Creation of a wider variety of products and investment ventures to increase profitability.
- 2) Adoption of new strategies for increasing membership and deposits.

### Support from the University Management

Embuvarsity SACCO enjoys unparalleled support from the University Management through provision of conducive business environment. We are grateful for such a wonderful host- University of Embu.

## Farmers Attend a Three Day Training at UoEm

**T**he School of Agriculture organized a farmers' training and invited three groups of farmers that the University has signed MoUs with; Njukiri-Nthambo CBO, Manyatta Stakeholders Forum and Rianjagi Farmers' Cooperative Society Limited. The training started with an opening ceremony graced by the Vice-Chancellor, Prof. Daniel Mugendi who made a presentation on the key highlights of the University. This included a brief history of the University of Embu, achievements the University has attained since its inception, current and planned projects, courses offered at the levels of undergraduate, postgraduate, diploma, certificate and short courses. He encouraged farmers to take advantage of existence of the University at Embu so as to practice modern farming, share their ideas, add value, learn how to use smart technologies and benefit from general empowerment.



Farmers listen keenly during milk value-addition session. They learnt different milk products, processes, packaging and marketing of milk products. Hygiene during handling milk is a key factor.



After the opening ceremony, farmers were taken through training in the following areas; piggery, poultry farming, hydroponics, milk processing and drip irrigation. On conclusion, farmers were given a chance to give feedback on the training. A number of them noted that the training was effective and they would implement all they learnt especially in value-addition. They also requested for more trainings. The event was attended by 73 participants out of the 90 that were invited.

Farmers from Njukiri-Nthambo CBO, Manyatta Stakeholders Forum and Rianjagi Farmers' Cooperative Society Limited together with University facilitators pose for a group photograph after the training.



**Dr. David M. Mugo, Ph.D**  
University Website and E-Repository  
Coordinator

## Webometrics Ranking: We rank among the best!

**T**he University of Embu made a great leap towards becoming a top-rated world-class academic institution after being ranked position 29 out of 127 academic institutions in Kenya during the July 2018 Webometric ranking. In the four areas that were rated, we were ranked in each parameter as follows:

Number of Relevant Pages in University Website	Number of MoUs and Backlinks	Strength of University Repository	Publications in High Impact Journals
16/127	42/127	12/127	76/127

This is a great improvement compared to the previous ranking where the University was ranked position 39 out of 123 academic institutions in the Country. The improvement in the ranking can be attributed to relevant partnerships with industries and other institutions. UoEm has partnered with institutions like University of Nairobi, Kirkhouse Trust, Technical University of Kenya, Kibabii University, The Swedish University of Agricultural Sciences (SLU), Sasini, Meru University of Science and Technology, University of Toronto, Canada, among others. The University will continue to establish more external collaborations and linkages to improve its performance on impact indicator. More importantly, staff

publications in high impact refereed journals are deposited in the University repository as soon as they get published. This has enabled the University to improve on the impact rank. The University digital repository and University Website are constantly updated and secured to continuously conform to informational demands in the era we live in today. The Repository can be accessed on <http://repository.embuni.ac.ke/> where various communities in archives, books, book reviews and book chapters and journal articles be found. Others include masters' theses and projects, PhD. theses and dissertations, open access journals and books, research papers, speeches, staff profiles and information on trainings, workshops, seminars, conferences and lectures.

The Journey towards the top remains unstoppable, as can be witnessed in the following summary of rankings

Table Ranking Since 2015

Year	Position
2015 July	59/65
2016 Jan	31/63
2016 July	26/123
2017 Jan	24/123
2017 July	39/123
2018 July	30/123



Screen shot of the University of Embu Webpage.

## Creating Value Addition in the University Farm



**Mr. Bernard Kitur**  
Farm Manager



The modern four tier battery cage system for poultry-keeping located at the University Farm.

The Farm Department falls under the Division of Deputy Vice-Chancellor (Planning, Administration and Finance) (DVC-PAF). The area under agricultural production is 35 acres. Clearing of more area to increase the area under production is underway.

The University farm envisages pursuing the following objectives;

- To sustainably and profitably produce agricultural products for internal and external markets.
- To generate revenue to supplement funding for university operations.
- To be a model training and extension services agricultural center.

One of the notable achievements made in the farm is value-addition for farm produce. Currently, the farm is processing its own yoghurt. Due to its increasing demand, plans have been put in place to increase capacity of production and seek KEBS certification in order to produce for external market.

Another key achievement is the production of tomatoes using net-technology in collaboration with Agro-Z Company. The farm has planted grafted

tomatoes to curb the persistent problem of Fusarium wilt. With this in place, production will be greatly enhanced. Other methods of horticultural production are the use of hydroponics, open field and the conventional green-house. The introduction of drip irrigation system is yet another milestone. This has enabled the farm to grow off-season horticultural crops, hence have a steady supply of farm produce throughout the year.

The piggery unit has also been expanded. It is another very profitable enterprise taking into consideration the prolificacy rate of the pigs. The enterprise has really expanded with a total of 120 pigs from 43 in 2017. This has been attributed to the increase in the breeding stock. Sourcing of other breeds, mainly the Duroc and Land lance is at an advanced stage.

Expansion of the battery cage system to enhance supply of eggs is another initiative. With the increased demand for eggs, renovation of a house to be used for the new system is complete and procurement of another set has already been initiated. Due to an increased demand for the Kenbros and improved Kienyeji Chicken, the farm is in the process of getting an incubator with a

capacity of 1200 eggs. With this in place, the clients' demands will be met.

The Department is also engaged in the processing and commercialization of animal feeds. The processing unit is now complete and in operation. More volumes of the feeds will be processed for commercial purposes. Another major milestone in the farm is the installation of the overhead irrigation system. The system has already been installed and will soon be operationalized. This is to ensure that a wide variety of horticultural crops will be available irrespective of the season.

Other enterprises on the farm include:

- **Dairy animals:-** High yielding Friesian are kept. The farm is building its own breeding stocks.
- **Poultry enterprise:-** Kenbros, improved Kienyeji, broilers and Layers.
- **Goats Production:-** Modern breeds are mainly kept i.e German Alpine and Toggenberg. Meant, mainly for research purpose
- **Green-house for fish production:-** the structure has been completed and stocking is in process. This will greatly enhance Fish Farming.

# Infrastructural Development

## Highlights

### AUDITORIUM

The Estates Department helps the University of Embu transform through infrastructural projects into a state-of-the-art university with capacity to offer excellent training and research for service to humanity. Many projects have been completed since the University was established. The Ultra modern Administration and the Library have been recently completed.

Infrastructure projects in the University are driven by the need for the University to achieve its core mandate. The Department has recently successfully designed an auditorium and lecture classrooms to be located next to the old library. The building has two levels, the auditorium will be on the lower ground and lecture rooms will be upstairs, each with a capacity of over 400 persons.



Artistic Impression of the proposed Auditorium and Lecture Rooms

The design is inspired by two main site forces, the dam and the natural topography towards the dam. The design has also adopted the "Piano Nobile" traditional architecture where more emphasis has been given to the auditorium, making it more elegant and rustic viz-a-viz the upstairs lecture room. Further, the natural look of the lower ground level gives a subtle transition between the outside natural and the artificial built form to create harmony of the two realms.

Finally, the building has natural stone finish in the upper lower level interior and the outer lower ground level in conformity to the University's principle of developing buildings with low maintenance costs.



Artistic Impression of the proposed Tuition Block

### PROPOSED TUITION BLOCK

The proposed Tuition Block project is approximately 19,400m<sup>2</sup> comprising lecture halls, offices, boardrooms and associated building services. The building is generally a concrete framed structure infilled with natural stone walling, glazed aluminium doors and windows. This state of the building will provide a better learning environment for our continued growth in students population and more office space for our lecturers which will in turn enable the University to achieve its Vision, Mission and mandate.

### THE PROPOSED ATHLETICS TRACK

The proposed Athletics Track is meant to ensure that students and staff are able to engage in co-curricular activities. The project is an eight lane standard athletics track in accordance with IAAF requirements. The track will, in addition, have facilities for steeple chase, long jump, triple jump, discus throw, hammer throw and shot-put.



Proposed Athletic Track

In conclusion, all infrastructural projects ongoing at the University will enable the University execute its core mandate since they are in line with the University's Mission, Vision, and Vision 2030 and will help drive the National Government's Development Agenda, including the Big 4.



We must invest in infrastructure development and rebuilding communities to create jobs.

Carol Moseley Braun - American Politician and Lawyer



**Mr. David Macharia**  
Coordinator, Sports & Games

## UoEm Sports and Games Department: Regional Powerhouse

**T**he sports and games Department has maintained its legacy as a regional powerhouse in not only winning in major competitions but also in successful hosting of high level games.

The University saw most of its teams both men and women qualify for the highest level of Kenya Universities Sports Association National Play-Offs, Women Championships and other open tournaments.

This academic 2017/2018 year, the University has been a major venue for association games among them hosting the Kenya Secondary Schools Sports Association Term 1 Ball Games that we co-hosted with Kangaru Schools. Additionally, we successfully hosted the Kenya Primary Schools Sports Association and the Kenya Technical Training Institute Sports Association Regional Games in our facilities.

In the 2018/2019 academic year, we envisage to usher in a new Standard

8-lane Athletics Track which we project will be a major attraction to elite athletes. We intend to continue improving and host several high level sports and games competitions for ourselves and other national federations. Similarly, the Department is in the forefront of planning to host the inaugural University half marathon event and mountain climbing expedition in support of the University Endowment Fund.

## Transport: [REDACTED]

**T**ransportation is a non-separable part of any society. It is with this in mind that the Transport Department strives to provide a service that exceeds the expectations of its clientele, both students and staff in their various range of activities and destinations.

To keep us on course to providing an efficient and effective service to our clients, in the preceding quarter, we have had a successful Defensive Driving Training to our staff, thanks

## Movement- A Factor of Development

to our esteemed partner, Isuzu East Africa who offered to instill this very valuable skill at no cost to the University. We are looking forward to build the staff capacity with such other trainings in future.

The University of Embu is a dynamic epicenter of excellence in its provision of service to its stakeholders. Thus, at the departmental level this is always our driving vision as we serve our clients. Thank you.



**Joshua Makokha**  
Transport Officer



**Maurice Murimi**  
Ag. ICT Director

# ICT Updates

**The ICT department of the University of Embu is active in developing applications that are meant to make service delivery efficient. The specific features include:**

## **1. Active Directory (AD) in Computer Labs**

The University computer labs serve as the main e-research and ICT practical centres. To ensure adequate and reliable internet services to students, the ICT Centre has installed a main control unit to allow all students access the computer resources using their personal user accounts. All the computer activities are monitored and secure mechanisms have been put in place to ensure effective use of the internet resources in the computer labs.

## **2. Enterprise resource planning (ERP) System implementation**

The University has acquired an ERP system to enable the efficient management of all University functionalities. Currently, the phase one (1) of the project is ongoing, covering the Student Management, Student Academics, Human Resource, Finance and Student Accommodation modules. The operation of the system modules is set to be fully operational by August 2018. With this achievement, the University will achieve its mandate to offer the services more effectively and efficiently to its clients.

## **3. Local Area Network (LAN) extensions**

Library services in academia is a key pillar in offering knowledge base and study materials. In the recent past, with evolution of internet and the e-books, Internet connectivity is a key factor in setting up a university library. With this in mind, the Local Area Network was recently extended to the New UoEm Library, having a well set server room, adequate outlet points and extensive wireless (WiFi) connectivity.

## **4. University mobile apps**

The ICT services offered by the University have been implemented in the android mobile platform. This is in effort to ensure better services to all staff and students. The services offered by the apps include the Meeting Dashboard and student services such as the exam timetables, schedules and general notices. These apps are readily available in the renowned Google Play Store.

## **5. ISO Standard - ISO 2700:2013(ISMS) implementation**

In its mandate to ensure information security, the University has implemented the ISO 2700:2013, to safeguard against all the possible loss and tampering of the information in the Institution. The ICT Centre has been in the forefront in coming up with key policies and guidelines to achieve this important milestone. These policies include, password policy, backup policy, cryptographic and encryption policy, among others.

## **MOBILE DEVICE SECURITY TIPS**

With today's technology ever growing towards being close to a user, smart phones are becoming our best friends. They have most, if not all our information in digital version and can even plan your whole day, month and even year. It can also be used to conduct financial transactions with multiple bank and financial apps storing metadata of login credentials and account information.

With all this information in one place, there is need to secure our mobile devices. Although there is no smart phone that is completely secure, we can do as much as possible to secure them to minimize the risk of attacks by hackers. The main issue is to adhere to the general mobile device guidelines and you will be closer to achieving

information security on your mobile device.

1. Always backup your smartphone data. This can be achieved through google accounts for android devices and Apple accounts for IOS devices.
2. Avoid opening email links from untrusted or unfamiliar sources. This might be phishing scams trying to connect to your device to collect information.
3. Always use different passwords for different accounts on your device. This reduces the risk of all accounts being affected in case of a hack.
4. Disable all connections and services when not in use. This include Wi-Fi, Bluetooth and infrared. Avoid connecting to open public networks or propagating your mobile network via tethering without proper security using complex passwords/passphrase.

Continued on pg 62

5. Don't post online while using geo-tagging or save your work and home locations to navigation applications. This can enable someone to track your whereabouts and create opportunities for attacks.
6. Use financial applications and websites only on private secured or mobile networks. If you have to use these apps or websites on public networks, use Virtual Private Networks (VPN) that have encryptions to protect your credentials from hackers.
7. Enable *remote wipe* for your phone. In case your phone is stolen, you can erase all data on the phone at an instance. This can be done with features that can track and locate your phone for recovery.
8. Always update your phone software and applications to the latest patches. Every patch usually addresses issues raised by a community of evaluators and are meant to secure the devices and information contained in them.
9. Make it a habit to encrypt your mobile devices and lock them with a password. This will prevent someone from accessing the data in your phone in case it is stolen. It is wise, though, to add information on emergency contacts in case of emergency situations where you as the owner are not able to access the phone, but assistance personnel require your basic details and need to contact your next of kin.
10. Do not install applications from third party sites. Only use Google Play Store and Apple Store as official locations for apps.
11. Use cloud storage facilities that are encrypted for storing your personal data. Enable two factor (two step) verification for all critical accounts that contain your information.
12. Go through all apps to see what information they are accessing. You might be surprised what you have agreed to when downloading the app.
13. Install antivirus software on Android devices. Generally speaking, iPhones don't have or need antivirus software, but Android devices definitely do.
14. Do not "Root" your Android or "Jailbreak" your iPhone. This is a process that gives you complete access of your device, but in doing so, removes many of the safeguards that the manufacturers have put in place.

**School of Pure & Applied Sciences is offering  
Ph.D, Masters & Bachelors  
programmes in Computer Science & Information Systems  
[www.embuni.ac.ke](http://www.embuni.ac.ke)**

**ADVANCING  
COMPUTER  
SCIENCE**





# Accommodation



**Mr. Peter Ndirangu**  
*Head, Accommodation*

**G**etting the best out of University of Embu depends on how much you indulge in its activities. The way to get fully involved is to live on campus-right in the centre of it. Since the hostels available cannot accommodate all the students, priority is given to first year students. This gives them an opportunity to experience campus life, both day and night, to ensure they get the best UoEm experience.

For those who want to live on campus for the entire duration of their course, they have an opportunity to do so since there is space set aside for them too. To ensure fairness in the allocation of accommodation space available, booking is done online. This gives everyone the same opportunity no matter where the person is located. A few slots are set

aside for those with various impairments and those from marginalized areas.

All the hostels are Wi-Fi enabled to give the students an opportunity to study and socialize online. The hostels are separated in that each hostel exclusively accommodates either men or women. There are common areas where students meet to develop interpersonal interaction. This offers them an opportunity to develop life-long friendships.

The common areas are fitted with flat-screen digital TVs with DsTV to ensure the students are entertained as they interact. We have dedicated staff who serve the students in shifts, both day and night, to ensure they are comfortable.



**University of Embu Guest House Boardroom**



**A section of Kilimanjaro Hostel**



**One of the Guest room in the University Guest House**



**A section of Mt. Elgon Hostel**



# UNIVERSITY OF EMBU ACADEMIC PROGRAMMES

WELCOME TO THE UNIVERSITY OF EMBU



## SCHOOL OF BUSINESS & ECONOMICS

### Ph.D. Programmes

Ph.D. in Business Administration

### Masters Programmes

Master of Business Administration

### Degree Programmes

Bachelor of Economics

Bachelor of Commerce

Bachelor of Economics and Statistics

Bachelor of Purchasing & Supplies Management

Bachelor of Science in Finance

### Diploma Programmes

Diploma in Purchasing & Supplies

Diploma in Business Management with IT

Diploma in Project Management

### Certificate Programmes

Certificate in Purchasing & Supplies

Certificate in Business Management with IT

### Professional Programmes

CPA Part 1, Section 1 & 2

CPA Part 2, Section 3 & 4

CPA Part 3, Section 5 & 6

Accounting Technicians Diploma Level I, II & III

## SCHOOL OF EDUCATION & SOCIAL SCIENCES

### Ph.D. Programmes

Ph.D. in Educational Administration & Planning

### Masters Programmes

Master of Education in

- Educational Foundations
- Educational Administration & Planning
- Curriculum Studies

Master of Arts in Linguistics

Master of Arts in Kiswahili

Master of Arts in Literature

### Degree Programmes

Bachelor of Education (Science)

Bachelor of Education (Arts)

Bachelor Criminology & Security Studies

Bachelor of Library & Information Science

### Content Enhancement Programmes

Content Enhancement in:

1. Science Subjects
2. Art Subjects

### Diploma Programmes

Post Graduate Diploma in Education (PGDE)

Diploma in Records & Archives Management

Diploma in Library & Information Science

Diploma in Counseling (Disaster Management & Trauma Counseling)

Disaster Management and Trauma Counseling

Diploma in Social Work & Community Development

Diploma in Hospitality and Tourism Management

Diploma in Criminology & Security Management

Diploma in Corporate Communication

Diploma in Japanese Language

### Certificate Programmes

Certificate in Japanese Language

Proficiency Certificate in Japanese Language

## SCHOOL OF AGRICULTURE

### Ph.D. Programmes

Ph.D. in Crop Protection, Genetics & Plant Breeding, Biotechnology and Plant breeding, Agronomy, Horticulture, Agricultural Resource Management, Land and Water Management, Soil Science, Agroforestry, Agricultural Economics, Management of Agro-ecosystems & Environment

### Masters Programmes

MSc. in Agricultural Resource Management

MSc. in Agroforestry

MSc. in Crop Protection

MSc. in Biotechnology and Plant Breeding

MSc. in Agronomy

MSc. in Horticulture

MSc. In Genetics and Plant Breeding

MSc. In Agricultural Economics

MSc. in Soil Science

MSc. in Range Management

MSc. in Land & Water Management

MSc. in Management of Agro-ecosystems & Environment

### Degree Programmes

BSc. in Agriculture

BSc. in Water Resource Management

BSc. in Management of Agro-Ecosystems & Environment

BSc. in Horticulture

BSc. in Agricultural Biotechnology

**Intakes are on in  
January, April, May,  
August, September  
and December every  
Year**

## ENQUIRIES

For Further Information, Please Contact: OFFICE OF THE DEPUTY VICE-CHANCELLOR (ACADEMIC, RESEARCH & EXTENSION), UNIVERSITY OF EMBU  
P. O Box 6 - 60100, Embu, Tel: 0706-528876, 0737714764. Website: www.embuni.ac.ke, Email: dvc.are@embuni.ac.ke



[www.embuni.ac.ke](http://www.embuni.ac.ke)





# UNIVERSITY OF EMBU ACADEMIC PROGRAMMES

WELCOME TO THE UNIVERSITY OF EMBU



BSc. in Animal Science & Production  
BSc. Agricultural Economics  
BSc. in Agriculture Education & Extension  
BSc. in Agribusiness Management  
BSc. in Range Management

## Diploma Programmes

Diploma in Crop Protection  
Diploma in Agribusiness & Entrepreneurship  
Diploma in Agricultural Extension  
Diploma in Water Resources Technology  
Diploma in Horticulture  
Diploma in Seed Technology  
Diploma in Animal Production & Nutrition  
Diploma in Agricultural Biotechnology

## Certificate Courses

Certificate in Agribusiness and Entrepreneurship  
Certificate in Agricultural Extension

## PROFICIENCY COURSES

Seed Technology  
Tissue Culture  
Banana Husbandry

## SHORT COURSES

Certificate in Smallholder Irrigation & Water Management (3 Days)  
Certificate in Farm Fertility Management (3 Days)  
Certificate in Agribusiness Management (2 Weeks)  
Certificate in Seed Technology (3 Weeks)

## SCHOOL OF PURE & APPLIED SCIENCES

### Ph.D. Programmes

Ph.D. in Entomology, Plant Ecology, Fisheries, Genetics, Applied Microbiology, Applied Parasitology, Computer Science, Information Systems, Chemistry & Physics.

### Masters Programmes

MSc. in Applied Microbiology  
MSc. in Plant Ecology  
MSc. in Genetics  
MSc. in Entomology  
MSc. in Chemistry  
MSc. in Physics  
MSc. in Hydrobiology  
MSc. in Statistics  
MSc. in Applied Mathematics  
MSc. in Pure Mathematics  
MSc. in Computer Science

## Bachelors Programmes

BSc. in Computer Science  
BSc. in Physics  
BSc. in Analytical Chemistry  
BSc. in Industrial Chemistry  
BSc. in Biochemistry  
BSc. in Statistics  
Bachelor of Science (BSc.)  
BSc. in Biology  
BSc. in Microbiology and Biotechnology  
BSc. in Environmental Conservation & Natural Resource  
BSc. in Environmental Sciences  
BSc. in Information Technology

## Diploma Programmes

Diploma in Information Technology  
Diploma in Data Management & Analysis  
Diploma in Analytical Chemistry  
Diploma in Applied Biology  
Certificate in Environmental Impact Assessment & Environmental Audits

## Certificate Programmes

Certificate in Computer & Portable Devices Repair & Maintenance  
Certificate in Computer Applications  
Certificate in Analytical Chemistry  
Certificate in Information Technology  
Proficiency Certificate in ICT  
Proficiency Certificate in Data Analysis

## SCHOOL OF NURSING

### Degree Programmes

Bachelor of Science in Nursing (BScN) - Upgrading Programme.  
Bachelor of Science in Nursing (BScN) - Direct Entry  
Bachelor of Science in Community Health & Development

### Diploma Programmes

Diploma in Community Health

## KASNEB PROFESSIONAL COURSE

1. Certified Public Accountants (CPA Part 1 Section 1 & 2)  
Certified Public Accountants (CPA Part 2 Section 3 & 4)  
Certified Public Accountants (CPA Part 3 Section 5 & 6)
2. Accounting Technicians Diploma level I, II & III



**All KNUT and KUPPET members and their spouses qualify for a 16% tuition fee waiver for all programmes**

## ENQUIRIES

For Further Information, Please Contact: OFFICE OF THE DEPUTY VICE-CHANCELLOR (ACADEMIC, RESEARCH & EXTENSION), UNIVERSITY OF EMBU  
P. O Box 6 - 60100, Embu, Tel: 0706-528876, 0737714764. Website: www.embuni.ac.ke, Email: dvc.are@embuni.ac.ke



www.embuni.ac.ke



# CONSEQUENCES OF CHEATING

Are you aware that cheating in exams can mess up your life.

This is what will happen if one cheats in an exam

1  
Locked out from sitting for  
exams

2  
Wasted time

Nje Haraka !!

3  
Exams  
Cancelled

BY BRIAN MULONZI

## NATIONAL ANTHEM

Oh God of all creation  
Bless this our land and nation  
Justice be our shield and defender  
May we dwell in unity  
Peace and liberty  
Plenty be found within our borders.

Let one and all arise  
With hearts both strong and true  
Service be our earnest endeavour  
And our homeland of Kenya  
Heritage of splendour  
Firm may we stand to defend.

Let all with one accord  
In common bond united  
Build this our nation together  
And the glory of Kenya  
The fruit of our labour  
Fill every heart with thanksgiving.

Ee Mungu nguvu yetu  
Ilete baraka kwetu  
Haki iwe ngao na mlinzi  
Natukae na undugu  
Amani na uhuru  
Raha tupate na ustawi.

Amkeni ndugu zetu  
Tufanye zote bidii  
Nasi tujitoe kwa nguvu  
Nchi yetu ya Kenya  
Tunayoipenda  
Tuwe tayari kuilinda.

Natujenge taifa letu  
Ee, ndio wajibu wetu  
Kenya istahili heshima  
Tuungane mikono  
Pamoja kazini  
Kila siku tuwe na shukrani.

## EAST AFRICAN COMMUNITY ANTHEM

Ee Mungu twaomba ulinde  
Jumuiya Afrika Mashariki  
Tuwezeshe kuishi kwa amani  
Tutimize na malengo yetu.

**Jumuiya Yetu sote tuilinde**  
**Tuwajibike tuimarike**  
**Umoja wetu ni nguzo yetu**  
**Idumu Jumuiya yetu.**

Uzalendo pia mshikamano  
Viwe msingi wa Umoja wetu  
Natulinde Uhuru na Amani  
Mila zetu na desturi zetu.

Viwandani na hata mashambani  
Tufanye kazi sote kwa makini  
Tujitoe kwa hali na mali  
Tuijenge Jumuiya bora.








# About The University of Embu

The University of Embu is a Public University established under the Universities Act No. 42 of 2012 and chartered on 7<sup>th</sup> October 2016.

The University is located in Embu, currently has five Schools and ten Departments. The objective of the University is to play a leading role in enhancing development in human capacity through research, education and training, as well as expansion of opportunities for higher education and research in various fields.



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 [www.embuni.ac.ke](http://www.embuni.ac.ke)