



TU-K NANOSATELLITE LAUNCHED AT KONZA

- 9TH GRADUATION CEREMONY HELD
- SATUK GETS NEW LEADERS
- FRANCE FETES TU-K DON
- INTERNATIONAL CONFERENCE HELD
- FRENCH LANGUAGE ASSISTANTS SHARE THEIR EXPERIENCES IN FRANCE
- ELRINGKLINGER AND MANFRECO TO PARTNER WITH TU-K
- CULTURE WEEK HELD



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MESSAGE FROM VICE-CHANCELLOR



Prof. Dr. Ing Francis Aduol

As we come to the end of an eventful year 2021, we have every reason to thank the Almighty God for the gift of life. In July, we held a successful 9th Graduation Ceremony in which over 1500 graduands were conferred with various degrees while others awarded diplomas and certificates. We were able to achieve the fete in spite of the challenges posed by the Covid-19 pandemic that has tested the institution's resilience.

In October, we welcomed freshmen and women who joined their First Year of study. As a tradition, the University organised a successful virtual orientation exercise for the new students. The students were introduced to the rules and regulations governing students' conduct and many other aspects of university life that may not be existing in any formal document. The new students have since settled down very well. It is our hope that they will work hard and successfully complete their studies as expected and on time.

Recently, the Student Association of Technical University of Kenya (SATUK) held a successful election in which new leaders were elected. The new students' leaders have had a chance to interact with the University Management. The Management has already made it clear to the new student leaders that the doors for consultations are always open. We hold the view that dialogue is always the best option whenever there is a matter of concern to members of a community such as TU-K.

I note with gratitude that our students have continued with their winning streak in drama and music. Their showing in the Kenya Universities Music and Drama Festival held in Meru was a class act. A number of students pursuing French studies had a chance to travel to and stay in France for several months to work as Teaching Assistants. The pioneer students who travelled to France carried themselves with decorum and marketed TU-K very well. I urge other students to work hard to stand a chance of being picked in future for a similar trip to gain international work experience.

This year, the University Council held staff reviews whereby several deserving members of Faculty were interviewed and promoted to the positions of Senior Lecturer, Associate Professor and Professor. The University held the interviews to increase capacity in various departments.

On the technology front, staff and students working on a TU-K Nanosatellite project made us proud. The TU-Nanosatellite was among those that were launched at the Konza City. This year, the University was also ISO-recertified.

The recertification means that the University has continued offering services according to the best international practices. For the University to have had the ISO certificate renewed up to 2024, it is expected that every member of staff and faculty would continue working with diligence to stand a better chance to have the same certificate renewed beyond 2024.

I wish you Merry Christmas, happy and prosperous 2022!

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TU-K HOLDS 9TH GRADUATION CEREMONY

For the second year in a row, the Technical University of Kenya virtually held its 9th graduation ceremony. Speaking during the ceremony, Ms. Mumina Bonaya, Chief Administrative Secretary, representing the Cabinet Secretary, Ministry of Education, Prof. George Magoha, asked local universities to start preparing for the Competency Based Curriculum in readiness for the students who will be joining the institution in a few years.

“There is a need to allocate more resources to improve the efficiency of virtual learning by a way of bandwidth and more electronic learning resources” she said. Ms. Mumina also appealed to the University to continue prudently utilizing the funds received from treasury to increase research output.

Ms. Bonaya challenged the University to continue working with the Commission for University Education (CUE) to ensure standards are not compromised. Equally, reform the training of teachers on Competency Based Curriculum compliance.

She congratulated the graduands and advised them to be open-minded as they step out to the world. “Grab any job opportunity that comes your way by volunteering or engaging in community

service. Don’t always expect to be paid, the skills and experience you gain are priceless”, she concluded.

The Pro-Chancellor and Acting Chancellor Dr. Halima Saado congratulated the University Management Board and noted that the University had been cited for exemplary performance by the National Cohesion and Values Committee.

The VC, Prof. Aduol asked the graduands to reflect on what the word Alumnus/Alumni mean as they stepped out to the real world, in order to have a focus in their careers and lives. The meaning of these words is “that who has been nourished”.

The VC further appealed to students

There is a need to allocate more resources to improve the efficiency of virtual learning by a way of bandwidth and more electronic learning resources. Also, continue to prudently utilise the funds received from the Exchequer.



CAS Ms. Mumina Bonaya

to refrain from portraying the varsity in bad light. “Feel proud as you go out, because you have graduated from a University with a reputable name and also joining a pool of rich alumni association”, he added.

He concluded by appreciating the university staff, parents and guardians for gracing the colorful event.

PATIENCE IS A VIRTUE – CATHERINE MAINA



Ms. Catherine Maina

As society gradually makes strides to accommodate women in what would have been previously deemed “too risky” or “out of reach” careers – it is now little-by-little supporting and bridging the gap. Ms. Catherine Maina has defied some of the society’s opinions and beliefs that female graduates struggle in male dominated careers. As a woman in technology, Catherine says she has not had any major challenges at the workplace. She said this during TU-K virtual graduation ceremony held on 30th July, 2021 when she called upon graduands to be patient and willing to learn new skills.

“Patience is a virtue that most students do not have upon graduation; most of them expect things to work very fast but the reality is that success is a journey and a process”, she said.

She graduated from the Technical University of Kenya with a degree in Electrical

and Electronic Engineering in 2014. She later secured an internship at Safaricom PLC after which she was absorbed as an Enterprise Technical Support Intern.

In 2018, she assumed a new role of Access Transmission Planning Engineer, a position she holds to date. Ms. Maina’s areas of specialization include Process Automation, Fiber Planning, Design and Implementation, Project Management, Transport Network Trouble-shooting and Support, IP and Transmission Planning and Systems Audit and Support.

TU-K played a big role in shaping Ms. Maina’s passion for the telecommunication industry. Through such experiences at TU-K, Ms Maina gained experience in balancing academic rigor and co-curricula activities. When eventually she got her internship at Safaricom was a dream come true.

INCREASED COLLABORATION POSITIONS THE UNIVERSITY FAVOURABLY GLOBALLY

The Vice Chancellor, Prof Francis Aduol, has commended staff for taking deliberate steps to enhance collaborative networks which have in turn greatly improved the University's research output and community engagements.

Speaking during The Technical University of Kenya 9th Graduation ceremony, the VC said that these collaborations had impacted the University positively thus earning it a well-deserved top spot amongst prestigious universities nationally and regionally.

"In the latest Webometric rankings, the University moved to position seven nationally and was also ranked position 140 in Africa. This global evaluation demonstrates that the University has come of age and is competing favorably among its peers," he said.

He further credited the improved global positioning to the collaborations that had remained active over the years and that had attracted other worthy partners.

Currently within the Commonwealth, the Technical University of Kenya hosts the prestigious Queen Elizabeth Commonwealth Scholarships for postgraduate studies. The scholarship programme, which attract students from across the globe, is in its second cycle.

In addition, through the European Union ERUSMUS support, the University has secured partnerships with other prestigious universities in Europe to deliver joint academic programmes that have facilitated staff and student exchange on dual curricula.

Through these collaborations, the University's young and upcoming academic staff have also benefited through masters' degree training under staff development scheme.

"I wish to laud the strong partnership that we have with the University of Paris Saclay and ISEA SUPAERO in France as well as Cranfield University and Birmingham City University in the UK. The University will continue to enhance these collaborations in pursuit of its



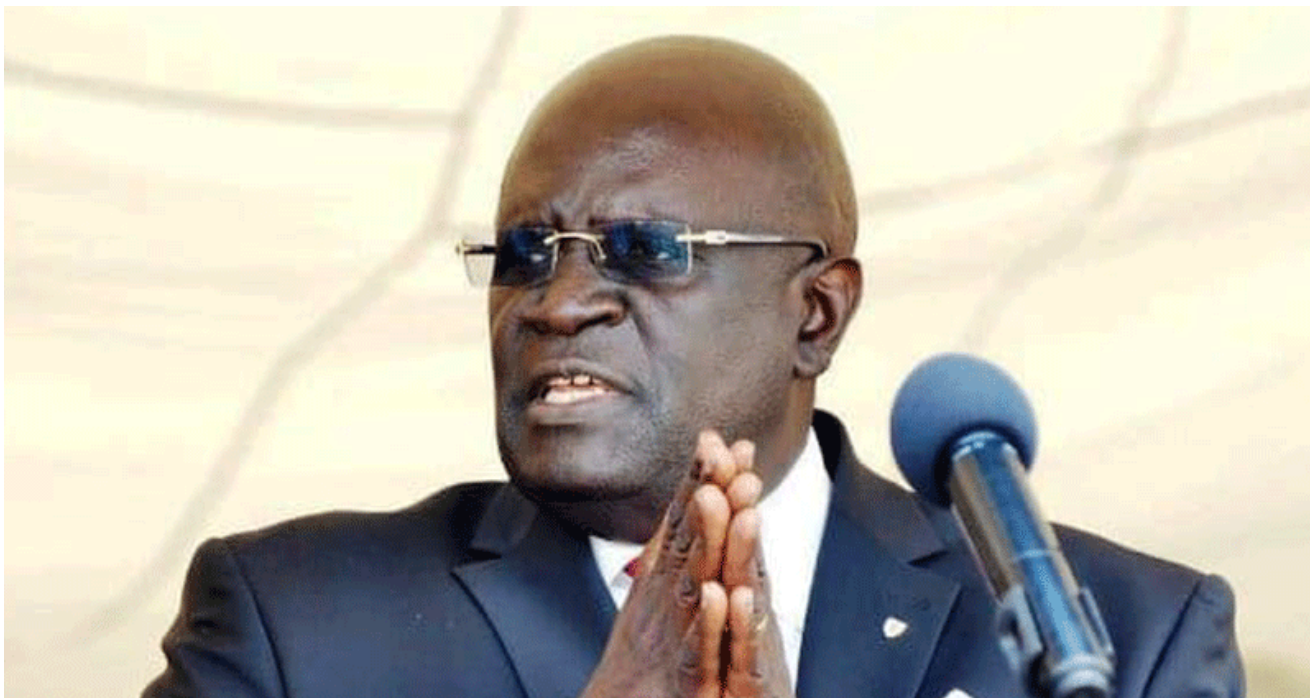
The VC, Prof Francis Aduol addressing graduands

"I wish to laud the strong partnership that we have with the University of Paris Saclay and ISEA SUPAERO in France as well as Cranfield University and Birmingham City University in the UK. The University will continue to enhance these collaborations in pursuit of its mission,"
–Prof. Francis Aduol

mission," said Prof Aduol.

In regard to staff continuous professional development, the VC in a special way recognized some two members of academic staff, Dr. EllyJoy Micheni and Dr. Evans Sagwa, who during the recent staff review were promoted to the position of Associate Professor. These two academicians were accorded special recognition because they were previous employees of The Kenya Polytechnic who were absorbed by the University during its transition from a TVET institution into a fully-fledged university. Over the years, they have worked and risen through the ranks and were among the first cohort of absorbed staff to attain this academic rank. Prof. Aduol also congratulated other academic staff who had been promoted to the positions of Associate Professor and Professor.

PROF. GEORGE MAGOHA COMMENDS TU-K ON BLENDED LEARNING



Education Cabinet Secretary, Prof. George Magoha

Ministry of Education Cabinet Secretary, Prof. George Magoha, has commended the Technical University of Kenya (TU-K) for quickly adopting blended learning in the wake of Covid-19 pandemic.

In a speech read by Ms. Mumina Bonaya, the Chief Administrative Secretary at the ministry, during TU-K's 9th graduation ceremony, Prof. Magoha noted that innovation was inevitable and all learning institutions especially universities need take a lead in embracing new technology.

"I am glad to note that virtual learning has taken root in Kenya and TU-K has adopted a blended system of learning where most of the learning is offered in virtual mode with only practical sessions being offered in person," said Prof. Magoha, adding "I am reliably informed that virtual learning is cheaper to run and less inconveniencing to both students and faculty."

Prof. Magoha also challenged the universities to seek ways of sustainably using virtual learning platforms even beyond the pandemic.

"I challenge the institutions to continue engaging with the Commission for University Education and ensure

standards are not compromised. There's a need to allocate more resources to improve the efficiency of virtual learning by way of bandwidth and acquisition of more electronic learning resources," he said.

The CS also challenged universities to seek ways of carrying out high-impact research to help solve society's challenges and problems.

"If there is a time high-impact research output in universities was required, it is now. During a pandemic of global proportions such as Covid-19, we should be reading news of research breakthroughs by our universities," he

If there is a time high-impact research output in universities was required, it is now. During a pandemic of global proportions such as Covid-19, we should be reading news of research breakthroughs by our universities.

said.

He added that universities need to utilize available resources and funding to come up with research findings that genuinely impact on society.

Prof. Magoha challenged students to amass wealth of skills even before stepping out of the university noting that employers were keen on employing graduates with good human skills.

The CS said employers demand good attitude and people who are willing to learn.

"The skills and experience you gain from being positive minded and engaged are priceless. No job will come looking for you. Arm yourselves with the requisite soft skills, then venture out to job-hunt," Prof. Magoha urged the graduands.

He added: "Experts argue that the real world doesn't care about your degree as much as your work ethic and attitude. Generally, employers are known to pick job seekers who convince them they have passion and are involved. This means that before you get your dream job, grab any opportunity that may come your way. Volunteer and engage in community service," Said Prof. Magoha.

THE 2021 VALEDICTORIAN SPEAKS

Mr. Douglas Kariuki Mundia emerged the best overall degree graduand in the class of 2021, by obtaining a First Class degree with an average mark of 80.2%. He studied Bachelor of Technology in Applied Chemistry, Industrial Chemistry option from the School of Chemistry and Material Science.

In his speech, Mundia addressed the struggles he had faced during the four-year programme and he appreciated all parents and guardians for their unwavering support, prayers and lessons learnt from them.

"I would like to extend a special thank you to my father and mother for being my biggest supporters in life; the sacrifices you have made for me are beyond any description, I owe you this graduation. Thank you for being there for me, I love you so much," he said.

He commended the lecturers for instilling knowledge in the graduands even when they pushed back. Mundia noted without the lecturers support they would not have achieved the academic victory. New opportunities were opened while in TU-K and for that, Mundia said 'he will forever be grateful'.

He appreciated his friends and mentors saying he would not have been



Mr. Douglas Kariuki Mundia

where he was without their support. Mundia did not forget the University administration for providing them with a conducive learning environment which had enabled them acquire critical

That we are graduating today is a testament of our hard work, commitment, and the sacrifices we have made over the years.

knowledge and skills with them.

"That we are graduating today is a testament of our hard work, commitment, and the sacrifices we have made over the years," he stated.

He reminded graduands that though they took different courses, the academic toil for those four years were certainly the same and finally they made it through. He noted that with self-discipline and dedication, one could accomplish anything that they set their mind to.

Mundia applauded his fellow graduands for growing together not only academically but also in character and wisdom. He added that they had forged new relations, friendships and reunited with other friends they had lost along the way.

He suggested to his fellow graduands to make plans of always once in a while coming together to celebrate the memories they had and the life-time friendship built. Mundia asked them to commit in joining the TU-K Alumni Association as a way of giving back to the institution. He gave them a quote by Sir, Winston Churchill "We make a living by what we get, we make a life by what we give" he concluded.



Graduands during a past ceremony.

PICTORIAL



FRONT FROM LEFT: Members of Council: Mr James Kiburi, Mr Bernard Malenya, Prof. Francis Aduol (Vice-Chancellor), Ms. Mumina Bonaya (Chief Administrative Secretary, Ministry of Education), Dr. Halima Saado (Chair), Hon. David Koech and Dr. Angelina Kinya. **BACK FROM LEFT:** Rev. Charlton Ochola (Protestant Chaplain), Prof. Peter Matu (Executive Dean, Faculty of Social Sciences and Technology), Prof. Francis Gatheri (Executive Dean, Faculty of Applied Sciences and Technology), Prof. Paul Shiundu, Deputy Vice-Chancellor (Academics and Students Affairs), Prof. Edwin Ataro (Executive Dean, Faculty of Engineering and the Built Environment), Rev. Fr. Dr. John Ndikaru wa Teresia (Catholic Chaplain)



Graduation procession during 9th Graduation ceremony.



Conferment of PhD.



Kenya Universities Staff Union (KUSU) - TU-K Branch Officials (From left: Tracy Kimunge, Evalyne Getuba, Custine Wanja and Andrew Musungu) make presentations during an Annual General Meeting (AGM) in November. The meeting was also streamed virtually.



Kibabii University student leaders held a joint meeting with the Technical University of Kenya counterparts led by SATUK Chair Mr. Peter Mani Mwangangi during a benchmarking mission at TU-K. The team from Kibabii was led by Student Union Chair Mr. Tyson Miranda and were accompanied by Dean of Students Dr. Alice Mutai and Deputy Dean Mr. Nasongo B.M. TU-K Director, Students Support Services, Prof. Omondi Oketch, chaired the meeting.



School of Surveying and Spatial Sciences and staff led by Ag. Director Dr. Samson Ayugi, sample some of the equipment during the Geospatial Information System and Survey Expo. The Expo organized by the Geospatial Science Students Association was part of the International GIS week.



One of the students who donated blood during a two-day blood donation drive at TU-K. The campaign was organised by the Kenya National Blood Transfusion Center together with St. John Ambulance.



TU-K hockey team represented the University at the WildCats (Joy Mumbe) Men & Women Hockey Tournament. The women team 'Reigners' carried the day by beating JKUAT's 'WildCats' 2-0 in the finals.

VC COUNSELS NEW STUDENT LEADERS



Student leaders led by the Chairman Peter Mani Mwangangi pose for a picture with the VC Prof. Francis Aduol and other senior members of the University Management.

The Technical University of Kenya students' union, SATUK, has new leaders for the year 2021/2022. Mani Peter Mwangangi was elected the Chair, and Birech Rachael Cheptoo as his Deputy. Harrison Boniface Muema was elected Secretary General, Kirera Denis Muchoki as Finance Secretary, Oundo Barasa Fredrick as Academic Secretary and Kimani Mercy Wairimu as Gender and Social Welfare Secretary. Others elected included Nyariki Yuvenalis Ogeto as Sports, Entertainment and Culture Secretary, Meshack Ndanyi as Men's Hostel Representative while Jelagat Betty was elected Women's Hostel Representative. Shampi Anna Ngendo Gakuna was elected as Speaker, Anampiu Aaron Bundi as the deputy while Doris Jerop Serem as Clerk and Harry Agere Sigunga as Sergeant-at-Arms. In the same election, 18 school representatives together with their deputies were also elected.

Students Support Services Director, Prof. Omondi Oketch, said the elections should have been conducted in

February this year but were rescheduled to September due to the Covid-19 pandemic that disrupted the university calendar. The new leadership was sworn in by the University Secretary and Legal Officer, Mrs. Ruth Kirwa.

The VC Prof. Francis Aduol congratulated the outgoing leadership and challenged the incoming team to match up and ensure best running of the University. "I challenge the new team to leave a legacy. Can you set up one or two things that you want to get through by the time you leave office," said the VC, adding that "one of the things the outgoing team had done was the refurbishment of the Students' Center which they never occupied."

The VC further praised the outgoing SATUK leadership for their efforts in mitigating Covid-19 pandemic effects.

"When Covid-19 came, the outgoing leadership quickly rallied themselves behind students who could not leave Nairobi in good time. They helped students who could not get food or pay rent. And when the students were

about to come back, we had a lot of discussion with the team on the best ways to accommodate changes including blended learning, setting up of hand washing points among other things. We have continued as a University in a very peaceful environment in the past in terms of student leadership and the administration," Prof. Aduol told the incoming team.

"I can tell you that all student leaders who have left the University in past few years are all my friends; I would like to say good things about you and your team. Just to underline the relationship we have had with student leadership. I have about five of them undertaking their Masters programmes abroad, Kobia is in Dodoma, Jepkosgei just left to Holland to do an MSC in Geospatial Engineering, Brenda is in Scotland doing an MSC in Chemical Engineering, Ambuli is going to Egypt to do an MSC in Electrical Engineering, Mark Too just finished his Masters with us and has been appointed a Tutorial Fellow at the University" said Prof. Aduol.



SATUK Chairman Mr. Peter Mani Mwangangi greets the VC Prof. Francis Aduol



SATUK Deputy Chairperson Ms. Birech Raechel Cheptoo take oath of office during the swearing in ceremony

► FROM PG 10

The VC, however, warned that their leadership needs to be level-headed while discharging their duties. “I don’t expect you to be sycophants of the VC or the administration, that is not leadership. Sycophants are the most dangerous people to walk around with, at the right time they will desert you. You have not come to the university so that we train you this way; we expect you to stand for truth, remain level headed, be sober and do not insult anybody. There will always be problems, the difference is how you solve them,” he added.

Prof. Aduol noted that TU-K had become the envy of other universities across the country in terms of conduct of successful elections. Various university unions have in the past benchmarked with TU-K in the past on best practices.

“I have had no stress of your election, I am praying that it goes this way. We have come a long way as a University, it shows the maturity. Thus the University today is coming out as one of the most respected universities thus, enabling us build a good named internationally. We are ranked the 7th university nationally. Part of this is because of the relative peace the university is enjoying thus enabling us concentrate on delivery of academic programmes,” said Prof. Aduol.

The Deputy Vice Chancellor in-charge of Academic and Student Affairs, Prof. Paul Shiundu, on his part asked the incoming leaders to borrow leadership

tips from the outgoing team.

“As you take your leadership positions, remember there is a student population out there that must be served and not all of them voted for you.”

Prof. Shiundu further reminded the officials that leadership positions came with expectations and demands from the student population, most of which will be unrealistic. “You are a bridge between the students and the university administration. My office is ready and willing to work with you in your endeavors as student leaders. Keeping time is important, do not keep people waiting just because you are a leader,” Prof. Shiundu said.

Student Support Services Director, Prof. Omondi Oketch, assured the leaders that his office will work with them to ensure they effectively discharged their duties.

You are a bridge between the students and the university administration. My office is ready and willing to work with you in your endeavors as student leaders.

“I want to assure you that we will help you succeed, you have a competent and willing administration that will walk you through to make you the best leaders, but only if you are willing,” said Prof. Oketch.

He also appreciated the outgoing team for a successful tenure of office. He noted that the outgoing team had worked very well with his office and had remained very sober while handling student issues with the management.

Outgoing SATUK Chairman, Cliff Oketch, appreciated the University administration and student leadership for a successful tenure in office despite the challenges posed by the Covid-19 pandemic.

“We are grateful to the administration for helping us go beyond our expectation. Our biggest achievement was the adoption and facilitation of integrated physical and online learning. This was indeed a noble and contemporary approach that has revolutionized learning at our institution,” said Mr. Oketch.

He challenged the incoming team to ensure smooth running of student leadership and the university at large.

Incoming SATUK Chairman, Mr. Peter Mani Mwangangi, committed to serve the student fraternity and ensure the University carries on its uniqueness. “Comrades have chosen the right team and together with all stakeholders.



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SATUK COUNCIL ▶ 2021/2022



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EEEI/01507/2019
CHAIRPERSON



BIRECH RACHAEL CHEPTOO
EEEG/01715/2019
VICE CHAIRPERSON



HARRISON BONIFACE MUEMA
ASSF/01882/2019
SECRETARY GENERAL



KIRERA DENIS MUCHOKI
EMAO/02823P/2018
FINANCE SECRETARY



OUNDO BARASA FREDRICK
EEEG/02250/2018
ACADEMIC SECRETARY



KIMANI MERCY WAIRIMU
EEEG/01749/2017
GENDER & SOCIAL WELFARE SECRETARY



NYARIKI YUENALIS OGETO
EEEG/02293/2018
SPORTS, ENTERTAINMENT & CULTURE SECRETARY



THE TECHNICAL UNIVERSITY OF KENYA

SATUK CONGRESS ► 2021/2022



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ASGG/00166/2018
SPEAKER (SISS)



ANAMPTU AARON BUNDI
SMPIQ/00449/2019
DEPUTY SPEAKER (SMAS)



JEROP DORIS
ESSQ/00333/2017
CLERK (SSGS)



SIGUNGA HARRY AGERE
ASSP/01896/2019
SERGEANT-AT-ARMS (SHHE)



CHANDAGO S. NJOROGE
EMAQ/01495/2017



CHEMUTAI SHARON
EMAQ/01504/2017



ALEX N. WANYONYI
EAAQ/00155/2018



JOY S. M. NTHAKANI
EAUG/01823/2017



ODHIAMBO O. VINCENT
EMCO/00419/2018



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EIC/01517/2019



MORRIS BUNDI
EABJ/00997/2019



KAMWARO JOY N.
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ONYANGO TONY BLAIR
EEEG/01725/2019



MAURINE CHEPKEMOI
EEEI/00669/2018



MUENI LUKAS MUTETI
EEMQ/00544/2018



OTIENO C. ADHIAMBO
EMMQ/00538/2018



MUURITHI GODWIN M.
ESEQ/01700/2017



MUSYIMI G. KARACHE
SMS/00272/2019
SCHOOL OF MATHEMATICS AND ACTUARIAL SCIENCE



CAVIN O. OTIENO
SBAJ/00752/2019
SCHOOL OF BIOLOGICAL AND LIFE SCIENCES



DONDI ANNE AKEYO
SBBQ/00674/2018



MBEKE OGADA BRIAN
SPCI/01334/2018
SCHOOL OF CHEMISTRY AND MATERIAL SCIENCE



MBURU RUTH WANGECI
SPCI/0122/2019



FAITHFULNESS JOSHUA
SCEE/02299/2019
SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY



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SCCI/01142/2018



APONDI OPIYO COLLINS
SHBI/01119/2019
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SHBI/01095/2019



OKOTH O. VINCENT
SPP/01598/2018
SCHOOL OF PHYSICS AND EARTH SCIENCES



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SPP/01574/2018



KIPKORIR A. CHESEREM
ALII/01425/2018
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MAINA LISA WANJIKU
ALIE/02361/2019



MECHA O. SHADRACK
ABBC/00337/2018
SCHOOL OF BUSINESS AND MANAGEMENT STUDIES



KAISALI MERCY MAWIA
ASEQ/00635/2019



JOHN LINA NYOKABI
AHLQ/01386/2019
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ADOGA CLINTON
ASGA/00870/2019
SCHOOL OF INFORMATION AND SOCIAL STUDIES



MESHACK NDANYI
EMMO/00552/2018
MEN'S HOSTEL REPRESENTATIVE



JELAGAT BETTY
ESSQ/00330/2017
WOMEN'S HOSTEL REPRESENTATIVE

A LETTER TO THE 2021 FRESHERS

By Allan Adala,
4th Year Communications and Media
student

Finally, the dust has settled for the 2020 candidates after the release of Kenya Certificate of Secondary Education (KCSE) results. Wounds are now fully healed and it has come to their understanding that after all, life has to continue. Now TU-K has received socially and academically 'naïve' students dubbed 'freshers.'

If you are one of these students, then this article is for you. I'm going to offer you a few guides on how to survive campus life as a fresher. First, don't miss the school orientations normally done on the first week for newly joined students. You don't have to be that gullible 'fresher' that will be carrying a plate and a spoon to go for lunch at the school mess.

You should also familiarise with the rooms and all the *vichochoroni* inside the University. You never know if with this you will access cheaper meals and new chilling sites. It is also at this time, when the voracious *team mafisi* comrades want fresh girls to flaunt and new drink mates. If you are not keen you may fall in their trap.

Don't force yourself to make friends, just give it time and everything will fall into place. For ladies, play hard to get, remember you may not be alone on the list of that dude coddling you with all types of adorable words. They will use you, heartbreak you and dump you then move to the next one on the list. Noticing 'freshers' will take one a minute as most walk in groups following each other like a flock of sheep. This can easily land you in trouble since you will be easy to control as a group. Here, peer pressure becomes the norm.

The other secret behind overcoming the innocent 'fresher' life is being yourself. Never live a life to impress others, but do what makes you happy. Just like you came here alone during the admission, is how you will find yourself alone after campus. Besides, you can explore by hitting on a girl, maybe her on WhatsApp or shooting your shots physically. Don't just be a secret admirer. Shake off the 'fresher-ness.' For the ladies, watch out for "sponsors". They are



TU-K students during the Institute of Electrical and Electronics Engineers symposium.

terrible. My research tells me that they love the petite young girls more than the other sizes. Their *moolah* is sweet, but it comes at a price. Sometimes it may land you in the grave.

Young men are also not safe. We have sugar mummies here in town that crave for young energetic men. They will promise you heaven, buy you a car, keep you more than your mum does but it will end in premium tears. They are the most jealous people on planet earth that will torch you inside the house once they

Young men are also not safe. We have sugar mummies here in town that crave for young energetic men. They will promise you heaven, buy you a car, care for you more than your mum does but it will end up in premium tears.

find you cheating.

Nonetheless, you will have fun. If you don't enjoy the first year then you probably won't enjoy campus. But it also calls for cooperation like paying fee on time to avoid being locked out of the exam room and most importantly, avoid the use of Mwakenya. This is the most dangerous but tempting thing that will cost you two years suspension when found guilty. So you better fail a unit but you gave it your all.

Some co-curricular activities will also help you kill the monotony of being in class throughout the week. We have so many clubs that I cannot afford to mention all. Personally, drama and music clubs were my favourites. We also have corporate team of counsellors that will help you once you have a problem that needs to be solved in the University and is beyond your control. The Dean of Students or the peer to peer counselling club are there to give you support.

The ball is in your coat, make your village proud by pursuing and completing your degree programme.

STUDENTS HOLD CLINIC AT MITAHATO VILLAGE



TU-K students take a group picture with children in Mitahato Village.

Students learning French at TU-K got an opportunity to interact and teach French in Mitahato Village in Kiambu County.

As part of volunteering and learning experience, 16 students visited the village in Kiambu where they participated in games with local kids, interacting in French lessons as well as planted trees.

Mitahato village is upbeat over French Language after Chris Mburu, the founder of Francophone Network of Kenya converted his former parent's house into a French library where children and adults in the village visit to learn French language for free.

The house is now a francophone centre receiving support from the French Embassy in form of book donations. Other Francophone organizations have also supported the library.

According to Mburu who formerly worked at UN mission in Congo, learning



Some of the volunteers with TU-K students at Mitahato center.

an extra language opens opportunities for young people. More than 2,000 children and adults have benefited from the library through interaction with Francophone visitors.

Chris envisages that everyone in Mitahato village would understand and can speak French language.

Francophone Network of Kenya also offers online interactive classes and produces videos for learning purpose.

Dr. Atieno Otieno, Academic Team

Leader (ATL) at TU-K said University's visit to the village was the first adding that they would organize for frequent visits. Students are also encouraged to visit the centre on individual capacities.

"It is interesting that some of our students taking French as a Language at the university volunteered to interact with young people in Mitahato village. This as well gives our students opportunity to master the French language." said Dr. Atieno.

TU-K SHINE AT FRENCH FESTIVAL

The Technical University of Kenya VC Prof. Francis Aduol joined Ministry of Education PS in the State Department for University Education and Research Ambassador Simon Nabukwesi, French Ambassador to Kenya Aline Kuster-Ménager for a luncheon to celebrate TU-K students who emerged best in an annual competition in preparing French cuisine.

For the second year in a row, the French Embassy in Kenya has collaborated with TU-K's School of Hospitality and Human Ecology to sponsor various activities including cooking competitions.

The competition is part of the Embassy's series of cultural promotion and festivities during the French

World speaking month.

"We are lucky as a university, the collaboration gives the opportunity to our students especially those taking French for hospitality to interact with French chefs where they learn French recipes, and are expected to cook French cuisine," said Dr. Atieno, ATL at Department of Modern and Classical Languages.

The competition moderated by Chef Kimani culminates in a crowning ceremony where dignitaries are invited. The winner is also hosted by French Embassy chef at the Ambassador's residence to prepare French cuisine.

Juliet Carol Muthoki was voted best cook during the competition held in

October at 5Sense Restaurant, Galana Plaza beating Chloe Awuor, Bill Trevor Moreno and and Brian Petit. The students are currently on industrial placement in various hotels in Nairobi, Mombasa and Uganda.

Staff who accompanied the VC to the ceremony include; Prof. Peter Maina Matu, Executive Dean, Faculty of Social Sciences and Technology, Prof. Richard Makopondo, Director of the School of Hospitality and Human Ecology, Dr. Boniface Otieno, ATL at the Department of Hospitality and Dr. Teresia Atieno Otieno.

The student participants were awarded various gifts and French reading material.



The VC, Prof. Francis Aduol (2nd right) poses for a picture with French Ambassador to Kenya, Aline Kuster-Ménager (3rd left) during the luncheon. The VC was accompanied by Prof. Peter Maina Matu, Executive Dean, Faculty of Social Sciences and Technology (2nd left), Prof. Richard Makopondo, Director of the School of Hospitality and Human Ecology (right), Dr. Boniface Otieno, ATL at the Department of Hospitality (left) and Dr. Teresia Atieno Otieno, ATL at Department of Modern and Classical Languages (3rd right).



Juliet Carol Muthoki, who emerged best student during the competition, pose for a picture with Bill Trevor Moreno who came second.



French Ambassador to Kenya Aline Kuster-Ménager (centre) with Ministry of Education PS in the State Department for University Education and Research, Ambassador Simon Nabukwesi (left), sample French cuisine during the luncheon. On the right is Chef Kimani.

INTERNATIONAL CONFERENCE HELD

In response to Covid-19 disruptions on the economy, the School of Business and Management Studies (SBMS) organized a two-day virtual international conference to run from November 25th to 26th. The theme of the conference was "Rethinking Economic and Business Sustainability in Disruptive Times."

The prestigious conference provided a platform for academicians, researchers, students, public and private participants to share their research findings on how to navigate Covid-19 effects among other occasioned business disruptions.

In attendance were guests' speakers from various parts of the continent. Some of these speakers included Dr. Patrick Njoroge, Governor - Central Bank of Kenya, Prof. Douglas Allen - Associate Professor of Management at the University of Denver Daniels College of Business, Gideon Aswani, Managing Partner and Africa CEO-Pathways International Limited, Catherine Nyagah- Founder and CEO of Touch Work Africa PTY, Mr. Samuel Okeyo Deya - Entrepreneur among others.

Led by Prof. Peter Matu, the Dean Faculty of Social Sciences and Technology and Prof. Elly Joy Micheni, the Director School of Business and Management Studies, the organizing team from TU-K and guests were given a brief introductory to the Conference theme. She stated that TU-K had embarked on a transformational journey and expressed her wish for everyone to join the forum by coming up with new ideas on how to strengthen economic and social structures amidst Covid-19 disruptions.

Prof. Paul Shiundu, the Deputy Vice Chancellor, was given the mandate to officially open the conference on behalf of the Vice-Chancellor. He thanked the organizers of the conference and welcomed talks from the presenters. Prof. Shiundu mentioned the importance of integrating social responsibility and sustainable development in a world where businesses are continually disrupted.

Dr. Patrick Njoroge mentioned the need to have renewed focus on



Dr. Patrick Njoroge, Central Bank of Kenya Governor

shared resources especially during the pandemic. The focus on sharing of resources evenly amongst everyone will allow the poor in the society to start gaining.

He urged students in innovation to always keep people's needs at the center of everything they do, stating that every innovation made is always a

The focus on sharing of resources evenly amongst everyone will allow the poor in the society to start gaining.

solution to a problem. "There is always renewed economic growth, renewed focus on shared prosperity," he said. He reminded them that charity begins at home and as such, for us to make an impact in the world, we have to start by solving the issues we are facing.

The conference call attracted a huge number of global attention, resulting in 84 abstracts covering diverse areas. The abstracts were received from Africa, Asia, Europe and North America. The papers will be peer reviewed and evaluated based on originality, technical and/or research depth, accuracy and relevance to the conference. Additionally, qualifying papers will be considered for publication in the School's refereed journal as per its publications policy.

DEPARTMENT OF ECONOMICS STAGES RETREAT FOR STAFF TEAM-BUILDING

Members of the department recently undertook team-building trip to Kagan village, Homa Bay County, upon the invitation of their Academic Team Leader (ATL), Dr. Benson Ateng’.

Dr Ateng’ hosted the team for four days, from 1st to 4th December 2021 at his rural home.

Some lessons learnt included harnessing strength in diversity, team building and how it creates unique connection among colleagues; and like the saying goes; a family that eats together, plays together, stays together. “At DERM, we live like one big family.” says Judy Odhiambo.

DERM welfare section is headed by Judith Odhiambo. It is responsible for the overall well-being of the office. The section aims to increase the overall working efficiency of the office, boost the morale of staff and ensure a cordial atmosphere. The welfare strives to establish a feeling of confidence amongst colleagues by promoting bonding. This section looks into comprehensive welfare through diversified activities and team building and plays a vital role in increasing work-life balance and social harmony.

Some lessons learnt included harnessing strength in diversity, team building and how it creates unique connection among colleagues



From left to right standing: David Waweru, Robert Borter, Peter Mburu, Monica Imelda Aoko, Dr. Benson Ateng’ (ATL), Cindy Mwenderani, Jeniffer King’ori, Judy Ouma, Erastus Kaifa Kariuki. Seated: Judith Odhiambo, Linda Njiru.



Thomas Joseph Mboya Mausoleum, built in the shape of the bullet that killed Thomas Mboya.

RETIREMENT COURSE HELD FOR STAFF



Some of members of staff who are due for retirement take a group picture with Staff of Directorate of Human Resource Management (HRM) during their pre-retirement training at the University.

The Technical University of Kenya took 60 members of staff who are due for retirement in 2021 and 2022 through pre-retirement training preparing them for smooth transition from active service.

The three-day training held in September was organized by the Directorate of Human Resource Management (HRM) and facilitated by Dr. Hesbon Nyagowa (Ag. University Registrar and Chief Administrative Officer), Mr. Kihoro Magu (Director, HRM) Mr. Bernard Opondo (Deputy Registrar, HRM), Ms. Lucy Kang'ara (Assistant Registrar, HRM) Prof. Evans Sagwa from the Department of Business Administration and Management), Dr. Argwings Kodhek (Chief Medical Officer, Health and Wellness Services), Mrs. Sabina Ng'ang'a (Assistant Counselor Student Support Services) and Mr. Ben Sanda (Ag. Chief Financial Officer and Bursar, Financial and Accounting Services)

Dr. Nyagowa represented the Vice-Chancellor, Prof. Francis Aduol. He read out the VCs speech noting that majority of the workers who are preparing to exit at the end 2021 and 2022, played a crucial role in the transformation of the institution from Polytechnic to Polytechnic University College and later on to Technical University of Kenya.

He added that he was proud of the retirees for helping to uphold the Institution.

"It is your collective effort that has

made it possible for TU-K to mirror the hands-on culture of the graduates of Kenya Polytechnic. We confirm this by the continued demand for TU-K graduates particularly the Diploma holders and those who have upgraded to degree level. In this regard, the institution remains indebted to you". He stated.

Prof. Aduol concluded by noting how the management will miss the able effort that the staff either individually or collectively offered to the students and external stakeholders.

"A change of lifestyle is eminent and with it comes some psychological discomfort that you will have to get used to," he concluded

Mr. Opondo took the staff through necessary records they are expected to prepare in order to plan a smooth transition to retirement. He talked about the law of retirement in Kenya and the different types of retirements which include voluntary and involuntary retirement.

Opondo advised the staff to ensure that their personal records were updated in the files including national

A change of lifestyle is eminent and with it comes some psychological discomfort that you will have to get used to.

ID, educational background, details of next of kin, date of employment, date of retirement, job position, salary at the time of retirement, bank details, and contact details including telephone number and email. He also reminded them to include information on their next of kin and beneficiaries.

Dr. Kodhek talked about health and well-being in retirement as a very important aspect to ensure one is emotionally and physically fit after the transition. In order to achieve this aspect, he said the mindset which includes the body, emotions and spirit have to be set positively; planning and decision making have to be done in good time. Participating in sports, social/financial support systems, and spiritual support are also important.

Mrs. Ng'ang'a took the staff through counseling sessions where she advised them not to look at retirement as an end to life but as a transitional process from formal employment to informal employment.

The staff were also taken through the aspect of personal financial planning and management during retirement by Mr. Sanda. He noted that 57% of retirees wish they had done more planning for retirement, most retirees wish they had saved more, planned to spend more, invested more aggressively in their 20s, 30s and 40s.

The total number of members of staff set to retire is 59, 25 in December 2021 and 34 in December 2022.

TU-K ADMITS FRESH STUDENTS

Starting September 27 through October 1st, the University staged an intensive virtual orientation exercise for the Freshers that aired live on TU-K's website and social media platforms students who missed any session can still watch, even now. 4,135 new students for the 2021/2022 Academic Year were admitted.

The orientation exercise offered a platform for the new students to get a better understanding of all that TU-K has to offer. The sessions also introduced the first year students to the three faculties; i.e. Faculty of Engineering and Built Environment (FEBE), Faculty of Social Sciences and Technology (FSST) and the Faculty of Applied Sciences and Technology (FAST).

Students were taken through the programme by the Vice-Chancellor, Prof. Francis Aduol, Deputy Vice-Chancellor - Academic and Students Affairs, Prof. Paul Shiundu, Executive Deans, Director of Student Support Services, Prof. Omondi Oketch, Academic Registrar, Dr. Moses Wamalwa, and respective Directors of Schools.

In his key note address, the Vice-Chancellor gave a brief history of the University, stating that, it is always a great honor to be admitted to any university in the world. Prof Aduol advised the new students to take class attendance seriously because they



Virtual orientation for 2021 freshers.

are required to meet a 75% threshold before they can sit exams.

He advised the Freshers to start being serious with their studies early enough stating that, "every CAT, practical exam, written exam will count, the final exam only constitutes a final mark that is added to the rest." Prof. Aduol further said that the students' social life in the university was a very important part of their growth and urged them to utilize the freedom they had in the university wisely. "There is no bell to remind you to go to class or to other activities, the only freedom that is directly granted to

you 100% is called academic freedom, it's actually a two-side coin that says it is the freedom of the student to learn and the other side says it is the freedom of the lecturer to teach."

"Stick to this freedom to avoid mismanagement. When you have drug and alcohol problems, you will go to a mental hospital because these problems are considered to be mental diseases," the VC reiterated.

In addition, he asked them to be careful and avoid careless sexual behaviors such as "sexually transmitted grades" and diseases such as HIV/AIDS.

Prof. Aduol further assured Freshers that the university had done everything possible to ensure compliance to Covid-19 containment measures. He urged the students to report to the university physically in order to meet lecturers and also familiarize themselves with the Covid-19 measures that have been put in place.

In his remarks, Prof. Paul Shiundu cautioned the students against exam malpractice as well as engaging in illicit activities that may affect their academic life which may lead to cancellation of a student's entire academic year.

He advised the students to practice appropriate socialization so as to relieve the stresses of college life. He also encouraged them to connect with other people in order to ensure a smooth transition to campus life. "As humans, social interaction is essential to every aspect of our health," he stated.



Prof. Aduol making virtual address to the freshers

SENIOR LECTURERS APPOINTED



Dr. Vincent Okoth Ongore
Senior Lecturer
Business Administration and Entrepreneurship

Vincent Ongore has been a Lecturer in the Department of Business Administration and Entrepreneurship. He holds PhD in Strategic Management, Master of Business Administration in Strategic Management from the University of Nairobi and a Bachelor in Economics and Business Studies from Kenyatta University. He has published over 23 articles in peer-reviewed journals and authored 3 books.



Dr. Stephen Ntuara Kiriinya
Senior Lecturer
Business Administration and Entrepreneurship

Stephen Kiriinya has been a Lecturer in the Department of Business Administration and Entrepreneurship. He holds PhD in Business Administration from JKUAT), Master of Business Administration from the University of Nairobi and Bachelor of Commerce from the University of Nairobi. Dr. Kiriinya is a Certified Public Accountant and a Total Quality

Training consultant.



Dr. Hellen Wanjugu Kabue
Senior Lecturer
Business Administration and Entrepreneurship

Hellen Kabue has been a Lecturer in the Department of Business Administration and Entrepreneurship. She holds PhD in Business Administration from JKUAT, MBA and Bachelor of Education (Arts) from Kenyatta University. Dr. Kabue has published four papers in refereed journals. She is a member of the Institute of Customer Experience.



Dr. Joan Lilian Ogendo
Senior Lecturer
Business Administration and Entrepreneurship

Joan Ogendo has been a Lecturer in the Department of Business Administration and Entrepreneurship. She holds a PhD in Business Administration and Master of Business Administration from the University of Nairobi, Master of Arts in Counselling Psychology and

Bachelor of Science in International Business Administration (IBM) from USIU. Dr. Ogendo is a Certified Public Accountant (CPA-K) and Psychology Practicum I&II. She has published two books and four articles in refereed journals. She is a member of the Institute of Certified Public Accountants of Kenya (ICPAK), the Academy of International Business USA (AIB) and a member of the Association of Women Accountants of Kenya (AWAK).



Dr. Stanley Kimani Kirika
Senior Lecturer
Accounting And Finance

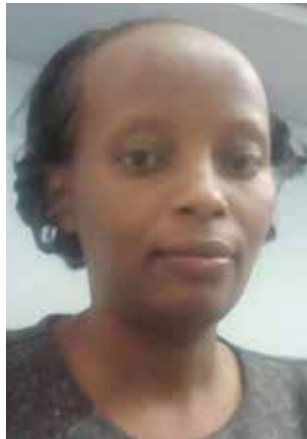
Stanley Kirika has been a Lecturer and Thematic Leader in the Department of Accounting and Finance. He holds PhD in Mathematical Finance from JKUAT, Master of Business Administration in Finance from Kenya Methodist University and Bachelor of Education Science in Mathematics and Statistics from Egerton University. Dr. Kirika is a Peer Reviewer with Cogent Economics & Finance Journal, has authored 9 papers in peer-reviewed journals and two books. He is a member of various professional bodies including the Kenya Institute of Management, Institute of Certified Public Accountants of Rwanda, and the Institute of Certified Public Accountants of Kenya.

STAFF PROMOTIONS



Dr. Grace Wambui Kamau
Senior Lecturer
Information and Library Science

Grace Kamau has been a Lecturer in the Department of Information and Social Studies. She holds PhD in Library and Information Studies from Moi University, Master of Science (Information Studies) from Sheffield University, UK, Bachelor of Education (Science) and Diploma in Education (Science) from Kenyatta University. She has published three papers in peer-reviewed journals, reviewed four papers and co-authored four books. She is a member of Kenya Library Association and Kenya Library and Information Services Consortium.



Dr. Lucy Wanjiru Ciera
Senior Lecturer
Fashion and Textile Technology

Lucy Ciera has been a Lecturer in the Department of Fashion and Textiles Technology. She holds PhD in Materials Engineering and MSc in Textiles Engineering from Gent University, Belgium and Bachelor of Science in Textiles, Design and Fashion Merchandising from Maseno University. Dr Ciera has authored 8 papers in refereed journals and has supervised two Master's students to completion.



Dr. Julius Ombui Bosire
Senior Lecturer
Department of Journalism

Julius Bosire has been a Lecturer in the Department of Journalism. He holds PhD in Communication and Information and MA in Communication Studies from the University of Nairobi and Bachelor of Arts from Kenyatta University. He is the author of Maskini Popo and has supervised three postgraduate students. He has published 8 papers in peer reviewed journals.



Dr. Lilian Ingutia Oyieke
Senior Lecturer
Information and Library Science

Lilian Oyieke has been a Lecturer in the Department of Information and Library Science. She holds PhD in Library and Information Science and Master of information Science from University of Pretoria, South Africa and Bachelor of Arts from Moi University. She has seven papers in peer-reviewed journals and has successfully supervised three MSc students to completion.



Dr. Rhyodah O. M. Nyambane
Senior Lecturer
Journalism and Media Technology

Rhyodah Nyambane has been a Lecturer in the Department of Journalism and Media Studies. She holds PhD in Mass Communication and Media Studies from JKUAT, MA in Communication Studies and Bachelor of Arts in Sociology and Linguistics from the University of Nairobi. She has published 9 papers in refereed journals and has supervised 5 Master's students to completion.



Dr. Alfred Okoth Akwala
Senior Lecturer
Linguistics and Literary Studies

Alfred Akwala has been a Lecturer in the Department of Linguistics and Literary Studies. He holds PhD in Communication Studies from Moi University, Master of Arts and Bachelor of Education from the University of Nairobi. He has supervised 5 students to completion.



Dr. Eunice Jemael Nyavanga
Senior Lecturer
Psychology and Human Development

Eunice Nyavanga has been a Lecturer in the Department of Psychology. She holds PhD in Clinical Psychology, MSc in Clinical Psychology and Bachelor of Psychology from the University of Nairobi. Dr. Nyavanga has authored 15 articles in refereed journals and has supervised six Master's degree students to completion.



Dr. Teresa Atieno Otieno
Senior Lecturer
Linguistics and Literacy Studies

Teresa Otieno has been a Lecturer and also the Academic Team Leader, Department of Modern and Classical Languages based at the Centre for Language and Communication Studies. She holds PhD in Linguistics from Université Michel de Montaigne – Bordeaux 3, France, Post-Graduate Degree in Linguistics from Université Toulouse Le Mirail 2, France, Master in Linguistics from Université Michel de

Montaigne - Bordeaux 3, France, First Degree in Linguistics, Université Michel de Montaigne –Bordeaux 3, France and Diploma in Education - French and History, from Siriba Teachers' Training College, Maseno. Dr. Otieno has co-authored a book chapter, written a book chapter, translated one book chapter from French to English, and has published three articles in refereed journals.



Dr. Mary Claire Kidenda
Senior Lecturer
Design and Creative Media

Mary Kidenda has been a Lecturer in the School of Creative Arts and Media. She is also the Academic Team Leader in the Department of Design and Creative Media. She holds PhD in Design and Visual Arts from Coventry University, U.K, Master of Arts (Design) from the University of Nairobi and Bachelor of Education and Fine Art from Kenyatta University. She is by appointment, a Member of the College of Arms, Attorney General's Office; and the Chair of Board of PC Kinyanjui Technical Training Institute. Dr. Kidenda has published 7 papers in peer-reviewed journals. She has also published a book titled, "Cartoon Worship".



Dr. Lydia Waithera Muthuma
Senior Lecturer
Design and Creative Media

Lydia Muthuma has been a Lecturer in the Department of Design and Creative Media. She holds a PhD in History of Arts from Université Michel de Montaigne, Bordeaux III, France, Master of Arts in History of Art and Bachelor of Education in Fine Arts from Kenyatta University. She has published three book chapters, co-authored an adjudication book guide. She has 13 Artwork projects in her portfolio. Dr. Muthuma has supervised three Master's students to completion. She is a member of the International Association for Aesthetics and the Kenya College of Arms.

MORRIS WAGAKI WINS MEXT SCHOLARSHIP

Morris Wagaki is an alumnus of The Technical University of Kenya. He has won a Japanese Government Ministry of Education, Culture, Sports, Science and Technology (MEXT) Scholarship to study a Masters degree in Food Science and Biotechnology, specializing in Food Analysis at Kyushu University. MEXT Scholarship is a fully funded scholarship for international students that covers tuition fees, accommodation, monthly living allowance and round airfare travel expenses from country of origin to Japan.

Q. Tell us about yourself?

A. My name is Morris Wagaki, a holder of a Bachelor of Technology in Nutrition and Dietetics. My journey towards achieving academic excellence has not been easy. I was first admitted to this university in 2012, whereby I studied for a certificate course in Nutrition and Dietetics. After graduation, I proceeded to pursue a diploma and eventually graduated with a bachelor's degree in the same field. I am grateful that I had the opportunity to transition through all these levels of education, because it is not easy; it requires a lot of determination to pull through.

After completing my studies, I attended an internship at Kenyatta National Hospital. During that period, I also realized I had a passion to teach and pass on the knowledge gained to others, so I joined Kabete National Polytechnic as a Vocational Trainer.

Q. How did you hear about the scholarship?

A. I got to hear about the scholarship in 2019 when I was interning at Kenyatta National Hospital. The Japanese Embassy is just a stone throw away from the hospital. One day, I decided to visit the embassy and enquire of any available scholarships and how to apply. The people I talked to were warm and kind, they took my email and said that they will communicate in case of any openings. Indeed, they sent a link for the scholarship, and that is how I was able to apply.



Morris Wagaki

Q. How come it took so long from the time you applied in 2019?

A. I made my first scholarship application in 2019, unfortunately it was not successful. Despite the setback, I did not lose hope. I applied again in 2020, and this time round was successful.

Q. What was your motivation in applying for the scholarship?

A. While I was interning at Kenyatta National Hospital, as a nutritionist I was able to meet various clients for advice on their illnesses or conditions in order to promote healing. During this period, I met a lot of children with different levels of malnutrition. From what I saw, I felt the need to assist the society in curbing malnutrition cases especially in young children. I had a passion to develop food products that have improved health outcomes; that go beyond basic nutrition. These products could benefit children who are most vulnerable to

malnutrition.

The best means to achieving this goal was to look for a university in and outside Kenya to gain knowledge in the field and that is how I landed at the Food Analysis laboratory at Kyushu University. I saw that their research area was aligned to my goal. They focus on evaluating food functionalities (food components with biomodulation functions) in the prevention of life-style related diseases using bioactive food compounds. Their laboratory was also evaluating the quality of food, which was a plus in my quest for the skills that I required.

Q. Describe the application process? (Include any challenges encountered and assistance received)

A. For you to successfully apply for the scholarship, you need to have academic merit. You need to have your academic transcripts and certificates. You need to have also written a good research

proposal which one presents to a team of professors. The vetting process includes a meeting with the embassy officials and the professors who interview you on your research proposal.

Applicants might encounter challenges, such as discouragement when their applications are rejected. Such news is often depressing, and many give up completely on pursuing the scholarship. I would like to thank my lecturers here at the Technical University of Kenya, especially Dr. Judith Waswa and the Director School of Health and Biomedical Sciences, Prof. Alfred Orina, for providing good recommendation letters and mentorship throughout the scholarship application process. With their help, I was able to bounce back and made a second application which was successful.

Q. How will this scholarship help you achieve your career and personal goals?

A. When I get there, I believe I will be exposed to world-class facilities, experience, knowledge and skills which will enable me to add new knowledge in my field of study. Ultimately, my goal is to develop food products that have improved health outcomes with a view to curbing malnutrition in children. I also have a passion for teaching, and so when I come back, I would like to pass on the knowledge gained to help my students achieve their academic goals.

Q. Where do you see yourself five years from now?

A. I see myself as a Lecturer. God willing, I would like to begin my PhD studies after the Master's programme in order to become an authoritative researcher in my field of study.

8. What advise do you have for other students interested in advancing their



Dr. Alice Ojwan'g of Nutrition and Dietetics Department with Morris Wagaki

academic goals through scholarships?

I would advise them to be prepared; preparation does not begin at the start of a scholarship application process. It starts from the first day that a student joins university. Right from admission, one needs to develop a reading culture so that by the end of the study period, s/

he will have acquired good grades which are critical for successful scholarship applications.

It is also good to listen to your lecturers. My lecturers provided good mentorship throughout both my academic and scholarship application journey.

In addition, they should never give up on their dreams. Often times, when you begin your studies at certificate level, the academic journey seems too long and tedious. But I encourage them to remain determined and focus on reaching the pinnacle of their academic goals. I used to work on nightshift and study during the day.

It is also good to listen to your lecturers. My lecturers provided good mentorship throughout both my academic and scholarship application journey.

TU-K SPACE PROJECT TOPS IN COMPETITION

The Technical University of Kenya (TU-K) team qualified to proceed to next level in space research competition organized by Kenya Space Agency (KSA). The agency awarded participating universities Sh1 million each for a nine-month initial stage of research.

TU-K's Department of Astronomy and Space Sciences nanosatellite project dubbed TUKSat-1 was ranked third after UoN and JKUAT. The teams were also awarded trophies and will get other opportunities to showcase their projects.

Other universities who competed included; Kenyatta University and Moi University.

TU-K team will benefit from a Sh3 Million grant to further develop their project. Kenya Space Agency announced top three teams will be awarded the amount to develop a 3U nanosatellite.

As part of promotion of activities for the development of space systems, the Kenya Space Agency initiated the research for the development of 1U nanosatellites. The top three teams will also present demonstrations of their projects to a host of dignitaries including Cabinet Secretaries, Government officials and vice-chancellors of public and private universities.

The competition was launched at Konza Technopolis showcasing



TU-K team make a powerpoint presentation of the nanosatellite report to a panel of judges. The team was drawn from the Department of Astronomy and Space Science, School of Electrical and Electronic Engineering, School of Surveying and Spatial Science and School of Mechanical and Mechatronic Engineering.

functionality of the nanosatellite systems to a panel of judges, participating universities as well as the event conveners, KAS.

Under the project, the TU-K team comprising of students and academic staff developed the TUKSat-1 nanosatellite with an aim of providing an Automated Information Services vessel tracking of boats and ships in Lake Victoria that will assist in monitoring overfishing or illegal fishing, organized crime and improve emergency responses

to vessels in distress.

In his address during the launch, the chief guest, Colonel Hillary Kipkosgey, Ag. Director General, Kenya Space Agency, said that through such projects and other initiatives KSA aimed at spurring interest in research and development of space systems and applications in tertiary institutions of learning.

He added that he was happy that once this noble goal was achieved students would be able to showcase their innovations. "As a young space-faring nation, Kenya is keen to develop its space system engineering capability; that pathway begins with the development of nanosatellite and microsatellite.

That is why KSA values the work done by the talented and smart young men and women here today," he said. "The projects are not meant to be an end in themselves; we enlist these projects that seek to provide solutions to challenges that we face in our socioeconomic development. It is our hope that the work we witness today will someday in the near future get into the orbit," he added.

He also said that space science and technology was still a novel field in our institutions of higher learning. As a result, KSA is highly encouraged by the work done by the universities to



Prof. Paul Baki, the Principal Investigator for the Nanosatellite project. (INSET) TU-KSat-1 Nanosatellite ready for launching

develop suitable curricula that provide training and equipping of students with knowledge, skills and competencies in the field.

Students of diverse fields of study including engineering, physical sciences, geographical information systems, environment sciences also joined the team of developers to support the innovations for space applications.

A panel of judges was tasked to review the project reports, witness the demonstrations and judge on the functionality of the innovations as well as follow the presentations to critique project participants' presentation skills and gauge whether they were knowledgeable about their project.

The development and launch of TUKSat-1 nanosatellite shows the potential of the university in building technology using local human resource and research infrastructure from scratch to maturity, eventually leading to the launch of a commercial nanosatellite for Kenya.

Principal Investigator of the project ,Prof. Paul Baki who was accompanied by Executive Dean Faculty of Applied Sciences and Technology (FAST) Prof. Francis Gatheri, Prof. George Amolo university staff and students presented the trophy and results to the VC Prof. Francis Aduol at the university.

The VC lauded the team for emerging top in the competition. Prof. Aduol said the exemplary results demonstrated TU-K's lead role in bringing new knowledge in sciences front including space

research.

Prof. Aduol also indicated that the university will consider students participating in the competition for various postgraduate scholarships and teaching assistant positions after completion of their undergraduate studies. The University will sponsor the team for a field trip in San Marco Space Centre in Malindi for further research.

Prof. Baki noted that in order to secure more funding for the development of nanosatellites, the project will consider securing partnerships with other research institutions who would augment the grant and allow further infrastructure development in the laboratories to ease project development.

He also encouraged KSA to continuously engage competent academic staff to also involve students in research projects with the aim of sharpening their skills and competencies in space science.

The development and launch of TUKSat-1 nanosatellite shows the potential of the university in building technology using local human resource and research infrastructure from scratch.



VC Prof. Francis Aduol pose a picture with the Department of Astronomy and Space Sciences nanosatellite project team led by Prof. Paul Baki. Also present was the Executive Dean Faculty of Applied Sciences and Technology, Prof. Francis Gatheri.



Prof. Paul Baki hands the trophy to the VC after the team emerged third in the competition sponsored by Kenya Space Agency

DR. OGENDO JOINS WAIB BOARD

Dr. Lilian Ogendo has been elected to join the Women in the Academy of International Business (WAIB) Board as a Chapter Liaison Officer. She is the first African to be elected to this board. Dr. Ogendo, who has been a member of the Academy of International Business (AIB World), holds a PhD in Business Administration, Strategic Management option and an MBA in the same discipline from the University of Nairobi, Kenya.

As the Chapter-Liaison Officer, Dr. Ogendo has been tasked to coordinate with Academy of International Business (AIB) Chapters and Shared Interest Groups around the world to support AIB women scholars and promote WAIB activities. She is also expected to encourage WAIB members to develop and host WAIB-sponsored activities at AIB regional conferences and work with the Academic Research Officer to encourage WAIB members to take leadership roles in advancing gender research in International Business.

Her election to the WAIB board is an honor to Africa, the region, Kenya and The Technical University of Kenya, and a big win for the women in the international business sphere, because it exposes them to a global gender scholarly equitable environment.

“There is opportunity for the youth and women scholars and researchers who would be interested to pursue and join the Academy of International Business, because it will look into their gender, diversity and inclusion aspects,” said Dr. Ogendo.

The WAIB board is responsible for organizing knowledge-sharing around gender, diversity and inclusion issues among AIB members, as well as facilitating professional development for women educators in the International Business field.

In 2020, Dr. Ogendo represented The Technical University of Kenya as a panelist at the IV International Meeting of Management; her topic was The Role of the Board of Directors in Business Recovery: International Perspective on Corporate Governance, where she



Dr. Lilian Ogendo, has been elected to join the Women in the Academy of International Business (WAIB) Board, as a Chapter Liaison Officer.

gained international scholarly/research audience.

Dr. Ogendo also holds a Bachelor of Science in International Business Administration from US International University (USIU-A), where she also pursued a Master of Arts in Counseling Psychology after her PhD. In addition, she is a Certified Public Accountant and a Member of the Institute of Certified Public Accountants of Kenya, an Associate Counselor and a Member of The Kenya Counseling and Psychological

Association.

She has published two management books and several articles in International Journal of Economics, Business and Management Research; Journal of Strategic Management; Scholars Journal of Economics, Business and Management; Journal of Human Resource & Leadership and Saudi Journal of Business and Management Studies. She was a Panelist at the IV International Meeting of Management and a Guest Editor of Special Issue article in AD-Minister Journal. Her areas of research interest are strategy implementation, corporate governance, balanced scorecard, emerging markets, corporate strategy, knowledge management, business ethics and the big five personality traits.

The Women in the Academy of International Business was founded in 2001 as AIB shared interest group. It has since expanded its mission, by providing innovative ways for promoting research on gender-related issues in international business, along with supporting the professional needs of women in the field.

“There is opportunity for the youth and women scholars and researchers who would be interested to pursue and join the Academy of International Business, because it will look into their gender, diversity and inclusion aspects.” –Dr. Ogendo.

CONFERENCE PAPERS PUBLISHED

The conference papers presented during the 4th TU-K International Conference on Innovation and Technology for Societal Transformation held in Nairobi have been published.

The publication is divided into seven sections. These include; business and entrepreneurship, engineering and space science, environmental protection, renewable energy and climate change, food security and safety, indigenous knowledge systems, media, society and governance and teaching and learning technologies.

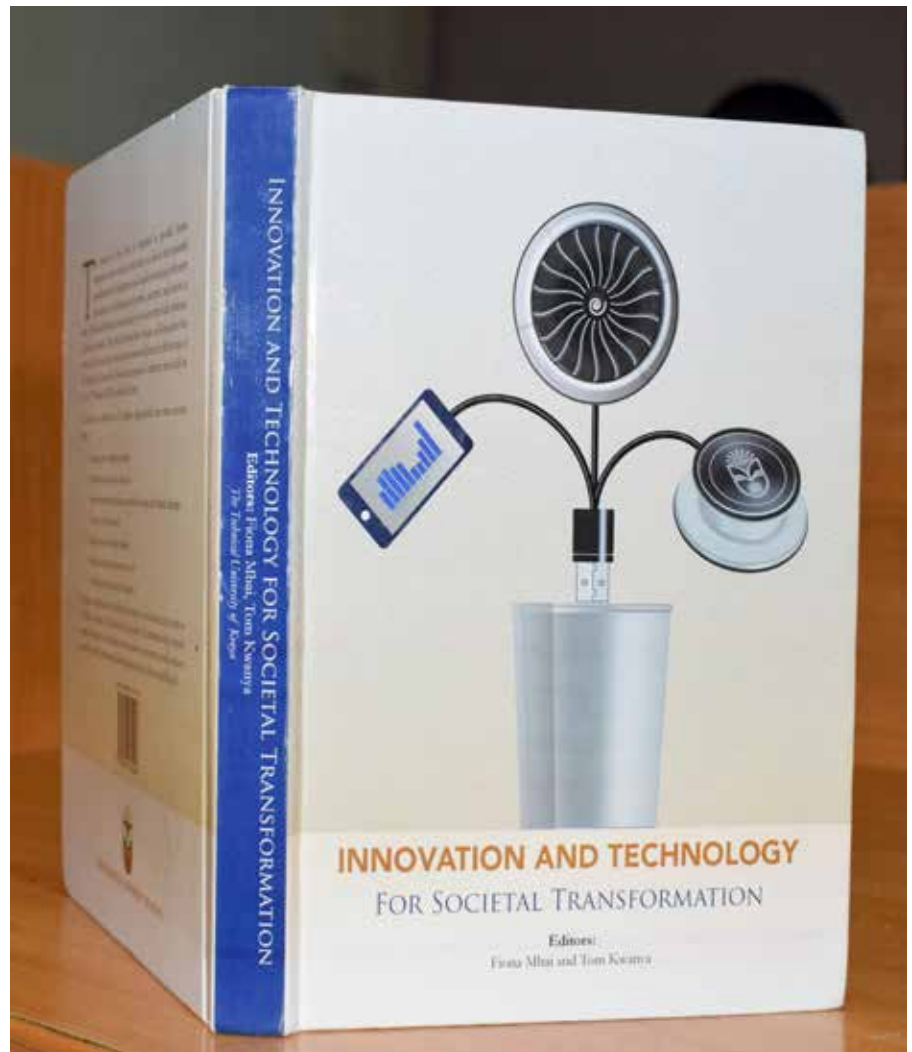
The conference called for concerted efforts to fund science and technology in all levels of learning and research, this, to build robust and home-grown innovations and solutions.

Delegates who were drawn various universities and research institutions in Africa delved into opportunities technologies may offer to current and future challenges especially in the emerging economics. The delegates interrogated opinions and current technological developments in regional and global levels, immediate solutions and potential impact on societal development.

The conference also discussed policies that contribute to hindering seamless integration of innovation and technology into development goals and further avenues of nurturing university-industry partnerships, and relating to the wider spectrum of productive and sustainable university-industry links.

TU-K VC Prof. Francis Aduol noted that 'Investment in Science and Technology' (STI) remains imperative for sustainable economic development and social progress as articulated in the United Nations Sustainable Development Goals (SDGs), African Union's Vision 2063 and the national development blueprints including Kenya's Vision 2030.

He added that STI is the cog that turns the wheel of societal transformation through innovative products, systems and services and



thus provides the means to respond to global development and societal challenges emanating from disasters, poverty, famine and disease.

Prof. Aduol said that meaningful, relevant and sustainable research and development requires scientific and technological institutions to collaborate with enterprises to develop and disseminate innovations which generate developmental impact in real life. This collaboration facilitates the use of knowledge in patents, prototypes and research.

Prof. Aduol added that the publication serves the purpose of communicating research findings to the academic community as well as players from public and private universities and development sectors in Kenya and globally.

The publication was foreworded

by Joe Amadi-Echendu from the University of Pretoria, South Africa and edited by Prof. Fiona Mbai and Prof. Tom Kwanya. Amadi-Echendu noted that content of the publication is intended to provoke discussion on the role that technology can apply in the sustainable transformation of indigenous and rapidly urbanising settlements characteristic of developing economies in Africa.

The publication was reviewed by Prof. Peter Matu, Alice Kiai, Moses Kagumba, Headmound Okari, Margaret Macharia, Justin Nyasinga, Patrick Dikirr and Josephine Opondo. The publication's editorial assistants included Angella Kogos, Lucy Kibe, Caroline Mwirigi, and Isaac Isika. The publication was designed by Mr. Alex Wamonje.

ALUMNI FLYING TU-K FLAG HIGH



TU-K Alumnus Maj Gen Francis Ogolla appointed the Vice Chief of Defense Forces

Photo: Courtesy

The COVID-19 pandemic has disrupted many aspects of alumni relations prompting new dynamics for university alumni associations. With the onset and continued risks of COVID-19, traditional opportunities for alumni engagements such as class reunions, in-person social events, and networking opportunities have been cancelled or remain in limbo.

The pandemic has sparked many questions for the alumni association such as; how can the University continue to engage the alumni while also offering support? How does the University shift existing engagement opportunities to fit a new format? Or, what tools does the TU-K Alumni Association currently have to help facilitate new forms of virtual engagement?

Despite the hurdles, the alumni continue to shine in their respective industries and capacities thus continuing to build the university's reputation and brand. In response to the new challenges and unforeseen circumstances, the alumni association has adapted to a more digital engagement strategy that has seen incredible results. The Alumni department has continued to keep in touch with the universities very diverse alumni that comprise of graduates of the Kenya Polytechnic, the Kenya Polytechnic University College, and the Technical University of Kenya throughout the Covid-19 pandemic. This has been done by tracking their

career progress and creating platforms for them to interact and engage with ongoing students.

Some of the outstanding achievements that our alumni have achieved this year include Ms. Hazel Wachira, a Kenya Airways Development Engineer who is an alumna of the Faculty of Engineering and Built Environment (FEBE). Ms. Wachira led a team of 30 professionals in repurposing the first passenger aircraft (Boeing 787 Dreamliner) into a cargo plane in Kenya.

The month of July saw President Uhuru Kenyatta announce changes in the military where he appointed TU-K alumnus from the School of Business and Management Studies, Major Gen. Francis Ogolla who was promoted to the rank of Lieutenant General and named Vice Chief of Defense Forces (VCDF).

Ms. Kendi Ntwiga-Nderitu, an alumna of the School of Computing and Information Technology is the Country Leader at Microsoft Kenya,

The alumni continue to shine in their respective industries and capacities thus continuing to build the university's reputation and brand.



Ms. Kendi Ntwiga-Nderitu

where she is tasked with increasing Microsoft's voice in the region. This year, she was recognized by various platforms, notably, the top 25 most transformative CEOs (2021) in Kenya and, additionally the definitive list of 50 women CEOs in Africa, a list compiled by Africa.com in collaboration with the Harvard Business School.

Another alumnus, Mr. Morris Wagaki won a fully funded Japanese government MEXT Scholarship to study for a Masters degree in Food Science and Biotechnology at Kyushu University. These are just but a drop in the ocean of what our alumni have achieved during the pandemic.

Due to the spike in unemployment rates owing to the pandemic globally, many graduates are currently tapping into their alumni networks to seek job opportunities. One of the foremost

benefits of any alumni association is the career and professional development opportunities that they provide. Throughout the pandemic, alumni across all faculties at the Technical University of Kenya have provided various platforms and opportunities to graduates that have enabled them secure internships and job placements in various professions.

Additionally, the University Alumni secretariat which acts as a liaison between the University and its alumni realises the importance of fostering the relationship between the alumni association and current and incoming students. It's against this background that during the COVID-19 pandemic, various alumni ensured that they established ways to facilitate these connections despite the limitations. For example, alumni of the Journalism Department linked a section of 3rd year journalism and media students with other successful and influential alumni in the industry so as to provide their experiences for purposes of their Industry Based Learning (IBL) project.

In line with this, the alumni secretariat attended the official launch of the Media Council of Kenya (MCK) industrial placement programme held at the Serena Hotel. The MCK, in partnership with recognized media houses rolled out an internship programme which T-UK will be part of, aimed at providing journalism students with practical work experience before graduation.

During the 9th university graduation ceremony held in July, the Alumni Association was represented by Ms. Catherine Maina, class of 2014 who is a Transmission Planning Engineer at Safaricom PLC. She emphasized the need for graduates to create strong networking channels with fellow alumni, highlighting how a number of graduates that had succeeded in their careers and businesses attribute their success to strong alumni networking platforms. "I got my first internship opportunity through a network that I created during my final year TU-K, one that has since created endless opportunities" she said.

During the pandemic, the Alumni Association has seen a sharp increase in its database membership. This is largely attributed to reaching out to our alumni through various social media platforms and alumni registering their details through the alumni portal. Such digital experiences have been able to further advance the Association's mission and vision which is to 'Connect, inform, serve and engage the University's diverse alumni and friends.'

In conclusion, COVID-19 brought many challenges for alumni associations, but it has also produced new opportunities. The Alumni Association is currently in the process of organizing its first ever official virtual networking event in 2022. The rise of virtual events has indeed been a surprising silver lining to the global pandemic as this will enable the association to reach alumni around the globe who may not have had the time or ability to attend in-person events thus thrusting the Association further into the digital era.

DON PUBLISHES OUTSTANDING ARTICLE

A TU-K Don, Dr Jacinta Syokau Kimuyu has published a research article on Springer Nature Applied Sciences journal. Springer Nature Applied Sciences journal is one of the best and internationally recognised journals. The paper is titled "*Comparative spatial-temporal analysis and predictive modeling of climate change induced malaria vectors' invasion in new hotspots in Kenya*". The Research article aims at providing crucial information to safeguard populations by creating awareness for preparedness and early risk management in the current non-endemic zones that have the potential of becoming future malaria vectors' hotspots.

The research paper posits that climate change in Kenya might result in the spread of malaria vectors to new areas. In addition, the prediction results portrayed a high likelihood of a shift in some suitable malaria habitats that could turn unsuitable, while new hotspots are likely to emerge.

The paper also explains that most current habitats are likely to still remain as viable malaria zones of diminished



extent, or with continuous area gain into the neighboring non-endemic zones. Further change of climatic conditions is also likely to trigger extremely new isolated hotspots that are not close to the current existing ecosystems.

The research study is of great significance as it is expected to inform policy on malaria vector control in Kenya.

Dr. Jacinta Kimuyu is a Senior

Lecturer at the School of Surveying and Spatial Science and Academic Team Leader in the Department of Geography and Spatial Science. She holds a PhD in Climate Change Modelling from the University of Nairobi, MSc in Geomatics Engineering from the University of Cape Town, South Africa, BSc in Surveying from the University of Nairobi and a Professional Diploma from the Institution of Surveyors of Kenya.

She is a full member of the Institution of Surveyors of Kenya (MISK) in the Chapter of Land Surveyors, a Fellow Member of the Kenya Society of Environmental, Biological and Agricultural Engineers. Dr Kimuyu is also a practical Geomatics Engineering expert with high proficiency in spatial-temporal management of land and natural resources under climate change focusing on using real time geospatial technology for sustainable development. So far, she has published 8 papers in peer-reviewed journals and has supervised 6 MSc. students to completion.

MALAWIAN IS RECIPIENT OF QUEEN ELIZABETH SCHOLARSHIP AT TU-K

Naomi Scoon from Malawi, is a recipient of the Queen Elizabeth Commonwealth Scholarship, having joined the Technical University of Kenya (TU-K) to pursue a Master of Musical Arts in Composition.

The only student in her class, she says that she learnt about TU-K through the Association of Commonwealth Universities website. She explains adding that she is honored and privileged to get the opportunity. "I know other Malawians have also been recipients of the same award to other countries but I do not know of any in Kenya. My dream was to specialize in music composition through master's study and TU-K provided the perfect opportunity for me to do so through their MMA Composition program," she explains.

Ms. Scoon graduated with a Bachelor of Arts in Humanities, having majored in Music from the University of Malawi. She has explored many sectors of the arts industry such as being in theatre groups and teaching art and design. As a musician, she has done some studio recordings, has been in bands and choirs. "Currently, I hold a position of Assistant Lecturer at the University of Malawi in the Department of Fine and Performing Arts," she adds.

When asked if studying of music was a course of her choice and what drives her, her response was, "Studying music was always my choice. I love the versatility of the subject and the room that it provides for creativity and innovativeness."

Scoon explains that, most of her classes are currently online, so, she does not have a campus routine yet but, is looking forward to joining some existing performance groups and activities soon.

She adds that her experience at TU-K has been enlightening and, she is learning so much about the music scene in Kenya.

She further explains that she has had a varied experience studying in a foreign country, both exciting and scary. "This is the first time I have

been alone in a foreign country, but I have received wonderful support from my course lecturers and the Chair of the Department. I have also had some friendly encounters outside of campus which have helped ease my anxiety," she says.

When asked about her opinion on the study of music, she explains that there are many people who would love to study music and be part of the experience and fun but there are two things involved; the job market and creativity.

She insists that music is an untapped territory for a creative and innovative person to thrive, therefore posing a challenge and risk many are not willing to take up. Secondly, she adds, that music as a discipline is not meant for everyone, it is a creative subject and it is not easy. "There are some things in music that one cannot be taught in a classroom but must possess or strive to acquire through this discipline. This is the kind of passion that not everyone has. Music is not regarded as less attractive, other courses are just regarded as the ideal job seekers' easy route," she explains.

While comparing the quality of TU-K training to other universities in her native country, Scoon says that music

This award means a lot to me. When I get back home, I will contribute to the growth of the music academia. I will be a specialist in my field and can therefore help to innovate and cultivate new ideas that will help in the growth and development of the music scene. I would also love to enroll for a PhD in my area of study.



Ms. Naomi Scoon, a Master of Music student and a recipient of the Queen Elizabeth Commonwealth Scholarship.

training is advancing, following the recent introduction of new universities in Malawi and short music courses. TU-K, she adds, has more to offer because of its master's program and a larger pool of staff from different areas of expertise.

About her future plans she says that she intends to go back to her position as a lecturer with her newfound knowledge and introduce specialised music composition courses that not only capture western elements, but are also tailored to Malawians.

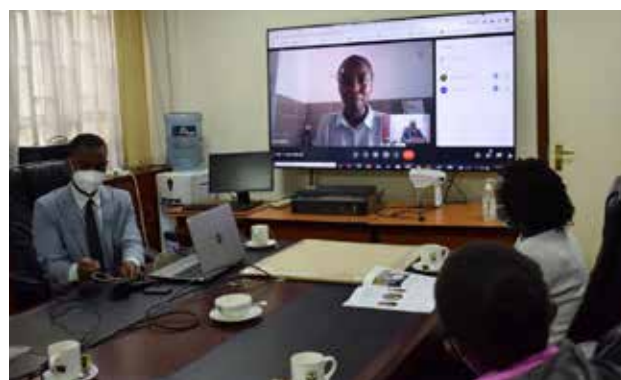
"This award means a lot to me. When I get back home, I will contribute to the growth of the music academia. I will be a specialist in my field and will therefore help to innovate and cultivate new ideas that will help in the growth and development of the music in my country. I would also love to enroll for a PhD in my area of study."

She advises students intending to pursue Music not to consider it as an avenue for a job, but rather take it as a career. For one to excel, she says, she/he must consider the study as a lifestyle. She concludes, "It is a subject that is mind-opening and teaches one not to think outside the box but to think like there is no box. Strive to be above average, don't be a dream chaser, let the dreams chase you."

LANGUAGE ASSISTANTS SHARE THEIR EXPERIENCE IN FRANCE



VC Prof. Francis Aduol (centre) with language assistants who had just returned from France, Ms Irene Cheruiyot (left) and Ms Audrey Misoki (Second left). On the right is Mr. Franklin Bett who have since travelled to France to teach English. They were accompanied by Dr. Teresa Atieno, ATL at the Department of Modern and Classical Languages.



One of the language assistant currently in France, Teresia Gichamba, virtually interacted with the VC Prof. Francis Aduol

The first cohort of language assistants to France paid the Vice-Chancellor, Prof Francis Aduol, a courtesy call. Two of them, Ms Irene Cheruiyot and Ms Audrey Misoki were in the country having completed their contract period, only to learn that it had been renewed, while the other Ms Teresia Wairimu joined the meeting virtually, while still in France.

The Vice-Chancellor was pleased with the group saying that the three had been good ambassadors of the program, as a result of which more partnerships had been created thus seeing other students enjoy scholarship opportunities. He further advised them to take advantage of the experience and turn it into something positive, especially to further

their education.

“When you go back, get an opportunity to advance your postgraduate studies in France,” he said. “Remember flexibility to survive, character, technical knowledge and how you relate to other people will help you to move to the next level,” he added.

The three also shared their experiences; Ms. Audrey Misoki observed that punctuality is key and the quality of life in France was top notch. She also observed that the education system was very different from Kenya. In France, they have six weeks of learning and a two-week break. In addition, during her lessons she noticed that the French use a different pedagogy, the teachers were very friendly, open to consultation

and encouraged her to grow.

Ms Irene Cheruiyot said the opportunity allowed her to travel to other countries like Spain and Switzerland. She also noticed that the French are very friendly, the culture and food was magnificent and the buildings were breath-taking pieces of art.

Ms Teresia Wairimu was placed in one of the country’s prestigious schools, where she taught visually impaired students. In order to train the special needs group, her teaching sessions mainly involved music, storytelling and the use of teaching materials that can be touched and felt. At first, there was fear that she would let the school down, but through hard work she was able to deliver the classes successfully and the school was proud of her. She also managed to secure a job as an *au pair*, that eventually led her to secure another job as a vegetarian chef. Teresia also enjoyed the culture and loved to travel.

The group was very grateful to the university, especially the Office of The Vice Chancellor, for the support accorded to them, in settling down during their first week.

Dr. Teresa Otieno, the Academic Team Leader, Modern and Classical Languages said another group of thirteen French Assistants were to travel to France as Language Assistants under a collaborative program between the French Embassy, the French Ministry of National Education and Kenyan universities under the Ministry of Education.



Students from the first cohort to who had just returned from Frances gifts the VC Prof. Francis Aduol with art. They were accompanied by Dr. Teresa Atieno Otieno, ATL at Department of Modern and Classical Languages.

TU-K HAS BEEN ISO-RECERTIFIED

The Technical University of Kenya has been ISO recertified based on the requirements of the ISO 9001:2015 standard. TU-K has retained the prestigious certificate after successfully passing a rigorous audit process. The university got the initial ISO 9001:2015 certification on 25th September 2018, after meeting the Standard requirements. This marks a major milestone for the university and demonstrates its commitment to the Quality Management System. The current certificate is valid from 2021 to 2024.

ISO certification comes with national and international recognition and promises improvement in the University's operations. It provides the University with an avenue to demonstrate its commitment to best practices, efficiency and sustainability. The certification is an indication that the institution's excellence comes first and affirms TU-K's commitment and dedication to ensuring that the products and services offered are consistent with the customer's requirements as the university remains focused on continual improvement in carrying out its mandate of providing education and training for the real world.

The certification process involves establishing the existence of quality management systems. A thorough audit is undertaken by KEBS to ensure that the university operations conform to the requirements of the ISO 9001:2015 Standard. TU-K was first certified to ISO 9001:2008 on 3rd May, 2016.

ISO 9001 is the world's most popular and commonly used standard for quality management systems. The standard shows that an entity provides products and services of consistent quality, that these products and services meet the customers' requirements, comply relevant legislation, and meet the organization's own requirements. The standard helps organizations to streamline and continuously improve their business processes contributing to improved



Mrs. Agnes Gachau, Director, Planning and Quality Management

customer satisfaction and a positive image of the company.

The ISO 9001 standard is updated about every seven years and was first issued in 1987, then in 1994, 2000, 2008 and the latest version – ISO 9001:2015 was published on 23 September 2015. The 2015 standard is highly structured, emphasizes on measurement of inputs and outputs, has risk-based thinking at its core

The certification process involves establishing the existence of quality management systems. A thorough audit is undertaken by KEBS to ensure that the university operations conform to the requirements of the ISO 9001:2015 Standard.

and places great importance on commitment from management.

The Directorate of Planning and Quality Management led by Mrs. Agnes Gachau identifies and facilitates implementation of good practices within the University, acting as a change agent in developing and entrenching a culture of quality in the institution. One of the ways the Directorate fulfils this mandate is through establishing and supervising the implementation of Quality Management Systems based on the ISO 9001:2015 Standard. To this effect, it is in charge of several activities that support the promise of quality including facilitating the training of internal ISO auditors, training of trainers who help in creating awareness of the ISO requirements, sensitizing the TU-K community on ISO requirements, circulating and reviewing the Quality Management Systems manual among other activities. The Directorate of Planning and quality Management facilitates internal audits twice a year in preparation for surveillance audits carried out periodically by KEBS.

BLENDED LEARNING IS A GAME CHANGER



The introduction of blended learning meant that students and lecturers could do more outside of class, and avoid the constraints of place

**By Mercy Wanjama,
4th Year Journalism student**

Two years ago, nobody would have imagined that a global pandemic would have turned around every aspect of human life and environment—unless, of course, you take into account the biblical account of the apocalypse.

Now, with humanity slowly trying to re-adjust to the new-world-order, some things have become quite the norm. Online classes, online meetings, online seminars, have taken over. However, nothing can really replace physical human interaction, and people have continued to find a workaround. For universities, this has come in the form of blended learning.

So, what exactly is blended learning. Blended learning (also known as hybrid learning) combines the best of two worlds. It is an approach to education that combines traditional face-to-face teaching and online interaction. This approach to learning is not exactly a new phenomenon, but in the wake of the pandemic, it's turned into a highly utilized method of learning. Blended learning provides some unique abilities such as recording online classes to refer to later.

At TU-K, classes were majorly physical pre-pandemic. The introduction of blended learning meant that students and lecturers could do more outside of class, and avoid the constraints of place. Platforms such as Kenya Education Network (KENET), Zoom and Google Classroom have made the integration of online learning into classroom-based learning easier.

Ruth Cherotich, a fourth-year Electrical Engineering student at TU-K, says that blended learning has been helpful when it comes to time saving. "Time that would have been spent on the road going to attend a physical class, has been directed to studying. I also like the fact that I don't have to go to school every day. I get to save on transport."

"Most of our theoretical classes are carried out online and that has been beneficial, especially where mathematical units involving derivation come in. Such classes at least enable you to refer to previous class recordings and go over concepts you did not understand. We have to be at the University for the practical classes since they can't be carried online. Ian Mitau, another student at TU-K, agrees, adding that the interfacing of online classes and online blackboard, has been very beneficial especially to students taking mathematical courses, as their lecturers make use of the online board to show them various mathematical workings.

The use of blended learning as opposed to traditional teaching methods in TU-K came about in order to reduce contact time due to COVID-19, but has now become the norm for both students and lecturers. Abigail Mwhiki, a Hospitality Management student, says blended learning has given her more time to study and work on her personal projects at the same time. "Online classes mean I don't have to leave my house and after class, I get to go over the classroom notes—that is something I wouldn't be able to do with physical classes. I could do without online classes, though," she

adds jokingly.

For most TU-K students, blended learning means not having to leave their homes every single day for classes, but it also means not seeing enough of their classmates on days (or weeks) when they have online classes.

The introduction of blended learning at TU-K has definitely had its positives, but some students think otherwise. "Timing makes everything hard with blended learning. If I have an online class from 9-11 a.m. and a physical one at 11a.m.-1p.m, I won't be able to make it for the physical class because of the timing. Otherwise, I'll have to choose to attend one or the other," Evans Odhiambo, a Mechanical Engineering student says. "There's also minimal one-on-one contact with lecturers in blended learning – some of us prefer full physical learning to be able to understand concepts," he adds.

Lorna Wangui, a Food Science and Technology student, says that for her course, physical learning makes more sense as there are lab practicals that are involved. "Blended learning only makes sense up to a certain point. When I have lab practicals, I have to be at the University."

"The online part of blended learning is also tricky as most students' concentration is divided unless the lecturer makes a point to engage everyone. With physical learning, loss of concentration could be in the form of daydreaming, but with online classes it's a more deliberate—one will be surfing the internet or getting house chores done," she says.

CAREER TRAINING IS A PRIORITY AT TU-K



Fredrick Kamau, a former student at the School of Survey and Geospatial Sciences, (right) The Basic CBC Kit

By Paul Opondo
3rd Year Journalism Student

In today's competitive and technology driven society, innovation at its best is a score card for learners. The current state of affairs is not about learning or reading to pass examinations but rather to identify special capabilities and nurture them through relevant teaching for the benefit of the learner. Most employers currently embrace graduates with both theoretical and practical skills/ hands-on training which are instrumental in realising the company's goals.

With a clear mission to provide technological education and training and to contribute towards society advancement through research and innovation, TU-K has ensured the availability of well-equipped laboratories to support hands on training with a view to awarding quality degrees and diplomas.

Fredrick Kamau, a former student at the School of Survey and Geospatial Sciences, is one among many students who have brought to light innovations that could offer practical solutions thus ensuring the advancement of the

society. His current innovation, The Basic CBC Kit, is a true manifestation of such practical solutions. The Basic CBC Kit is a teaching resource that can be used for teaching of the Competency Based Curriculum for the primary level of learning. The Competency Based Curriculum education system has been approved and has already embraced the expectation that learners will be exposed in learning activities in environments intentionally selected to help them acquire certain skills and attitudes to practical situations.

The kit contains multipurpose tools that enable learners to perform various learning activities and achieve the desired learning outcomes in multiple areas including Science and Technology, Agriculture, Home Science

The Basic CBC Kit is a teaching resource that can be used for teaching of the Competency Based Curriculum for the primary level of learning.

and Art and Craft. just as the name suggests, the kit is not a bulky machine that learners have a lot of trouble operating. On the contrary, this kit is portable with a durable and waterproof tin box packaging. The multipurpose tools inside the tin box include: safety goggles, safety gloves, forceps dropper, beaker, specimen jar magnifying lens, plane mirrors, scissors, ruler, brushes, cotton thread, tape measure, bar magnet, DCmotor, DCgear, connecting wires, dry cell holders, solar cell light emitting diodes, buzzer and a switch coupled up with a highly detailed instructions manual. Kamau's drive for this technology arose out of the need to address the inadequacies of laboratory materials back in the rural setups. "My kit can be used by learners between Grades 4-6 while conducting their science experiments," said Fredrick. Kamau, who opened up about his dream of being his own boss. Aware of the necessary procedures and evaluations from the relevant government structures, Kamau has tirelessly sought approval from the Kenya Institute of Curriculum Development who most recently approved his technology and summoned him for evaluation.

XNOM RADIO NURTURES TALENTS



Some of Xnom Radio presenters and producers

By Annet Robi,
Journalism Student

Covid-19 was a blessing in disguise. Owing to The Technical University of Kenya's hands-on career training, the journalism and mass communication students took up the opportunity and started a content creation hub, Xnom radio in 2019. It provides an avenue for journalism students to test drive the skills learnt in school thus utilising their free time.

Xnom radio is purely an online production house that entails videography, cinematography, writing, producing, directing, photography and voiceover. It has an array of programmes and shows such as Julier and Didout which educate young people on issues regarding their everyday life while also providing entertainment.

The students involved have received overwhelming support from their head of department, Dr Joyce Omwoha who pointed out that the students had shown resilience from the onset of the project and that the department had been instrumental in the visualization and making the idea come to fruition. "The department has aided the students by guiding them as they shoot content for their audience. As their chaperon, I have particularly provided them

with the creative freedom to produce content for viewing by ensuring that they have unlimited access to the studio uninterrupted. I have also shared and promoted their work through established systems put in place which have helped them gain exposure. These students have utilized all that we have taught them and I am hopeful that they will prevail in the job market. Xnom has provided an avenue for them to nurture their talents," Dr Omwoha added.

Sungu Dudi and Vincent Njoroge both alumni of TU-K and the creative minds behind Xnom argued that the platform has given young people a stage to voice their opinions and in the process, empowering one another through the content produced. "I am happy to see young people stepping out of their comfort zones and taking up the opportunity to explore their creative side," said Njoroge.

"There was an urgent need to tap onto

It was important to define roles for each individual at Xnom since everyone hugely contributes to ensuring that Xnom grows and expands beyond its horizon. Each member does what they do best.

their creativity through many ways such as expressing themselves through the content aired on the programmes and shows. This coupled up with the need to satisfy the type of content young people consume, led to the creation of content centred around those needs," he added.

Other notable content creators included Ashley Kendi (third year), Millicent Wangui (fourth year), Joseph Kang'the (alumnus), David Nagila (alumnus) and Lydia Mwendu (fourth year), also the social media manager for Xnom. "It was important to define roles for each individual at Xnom since everyone hugely contributes to ensuring that Xnom grows and expands beyond its horizon. Each member does what they do best," said Dudi.

The platform has made it possible for students to smoothly transition into the job market. Students can build up portfolios at Xnom. "Our content creators have been able to focus on personal projects that they are passionate about even post-TU-K. David Nagila fell in love with photography while at TU-K and is now doing photography full time both for Xnom and even outside TU-K. He has a photography page called Mimi Photography. Another content creator, Millicent Wangui, is thriving on doing voiceovers thanks to the exposure from our platform," said Dudi.

WHAT HAS WELLNESS GOT TO DO WITH SAFETY?

Facilitators explain how wellness and safety collide in a training session at the Technical University of Kenya.



Participants during the Occupational Safety and Health Act workshop held at the University.

Several members of staff from various departments were trained in the procedures and rules contained in the Occupational Safety and Health Act, 2007 (OSHA). The four-day training began on 5th October and ended on the 8th October. It was aimed at empowering participants with knowledge and skills, to enable them undertake their roles at workplaces in safety and health more effectively as they also comply with requirements of OSH Act Section 6 (1) (6).

OSHA 2007, is an Act of Parliament which provides for the minimum standards of safety, health and welfare of persons employed and all persons lawfully present at workplaces.

Dr. Argwings Kodhek, the Chief Medical Officer, Health and Wellness Services, was one of the organizers and facilitators alongside others from the Ministry of Health, Directorate of Health and Safety including Mr Davis Ochillo, Cunningham Seki, Charles Odhiambo and Mwanahawa Ali.

Mr. Ochillo taught on several topics including Safety Management and legislation (OSHA 2007), Safety Committee Rules, WIBA and Workplace

Hazards and Controls. He explained that situations in organisations require that the employer has obligations over the safety of their employees that entail carrying out suitable risk assessment for safety and health of workers, ensuring the safety, health and welfare at work for all its employees, and taking immediate steps to stop harm where there is imminent danger by evacuating persons to safety.

Mr. Ochillo gave an example of when Covid-19 broke out, they issued an advisory to staff to work from home - that was a risk mitigation plan to protect workers from contracting the virus. After the vaccine came and a number of people got vaccinated, a return to work advisory notice was also issued.

Ochillo further expounded on the term 'welfare of the people lawfully present at the workplace'. For welfare to

Safety begins from very far depending on the job one is involved in.

be termed as adequate in a workplace, measures have to be put in place including the availability of First Aid facilities strategically placed with trained First Aiders, wholesome drinking water has to be conveniently located staff workers to access, accommodation for clothing (uniforms) have to be enough, washing facilities, and sitting facilities should be strategically placed especially for workers who stand for long hours.

"Safety begins from very far depending on the job one is involved in," said Mr. Ochillo. Trainees were also taken through other topics on safety such as prohibition notices, registration of workplaces, safe use of plant machinery and equipment, hand held and portable power tools, safe means of access, fire and evacuation procedures.

The OSH training gave participants an opportunity to acquire more safety and health awareness and by the end of the training, they had knowledge to identify and control occupational hazards at workplaces to apply the standards provided under OSH Act to undertake workplace inspections based on OSH standards and prepare reports, as well as transfer knowledge to others at work.

ELRINGKLINGER AND MANFRECO PARTNERS WITH TU-K

The Technical University of Kenya is set to collaborate with ElringKlinger, a German supplier of professional engine repairs, and Manfreco Ltd, a motor vehicle parts distributor in the East African market.

The collaboration was mooted during a meeting attended by the Executive Dean Faculty of Engineering and Built Environment (FEBE) Prof. Edwin Ataro, Director, School of Mechanical and Manufacturing Engineering, Prof. Bernard Odera, Prof. Alex Muumbo and the Executive Officer, Office of the Vice-Chancellor, Mr. Cosmas Kanyadudi. Manfreco Company was represented by the Sales Director, Mr. Nadir Ahmed and Head of Social Media, Ms. Lisa Leina.

Speaking during the meeting, Mr. Kanyadudi said the partnership will give engineering students an opportunity for placement training where they will acquire hands-on knowledge in readiness for the job market.

Prof. Muumbo appreciated the market player for the visit indicating that the partnership opportunity was critical in training students adding that past partnerships with the industry have yielded positive results for all parties.

"We have partnerships with companies including KONE Elevator, Samsung, Huawei among others who have taken in students for training and employment," said Prof. Muumbo adding



The Executive Dean, Faculty of Engineering and Built Environment (FEBE) Prof. Edwin Ataro (left) receives masks donated to the University by Manfreco Company represented by the Sales Director, Mr. Nadir Ahmed.

that companies like Samsung have set up centers at the university which is a welcome opportunity for Manfreco.

Mr. Nadir Ahmed said the company looked forward to working with TU-K and went ahead to explain that ElringKlinger has an Academy, which will offer certified online training programs to continuing students and graduates on technical courses that can be accessed 24/7.

"Students will receive an exclusive range of training materials including developed animation and videos," he

said. Also, students will be allowed to test their knowledge by taking part in an exam and thereafter receive an Elring certificate.

He further added that the training will enable them to familiarize themselves with all the latest technological developments in the field of modern engine sealing technology and lightweight construction.

Prof. Ataro added that he was excited to work with the Company and would in the future invite market players including Manfreco in various curricula review stakeholder workshops noting that this would have an impact on society.

Manfreco carried corporate social responsibility with an aim of promoting a safe learning environment by distributing Elring masks to the faculty.

ElringKlinger AG develops and produces components for engines, gearboxes, exhaust systems, and alternative drive technologies for the vast majority of vehicles. It also provides a comprehensive range of gasket sets, gaskets, service parts and sealing compounds to suit all market requirements. The brand name "Elring-Das Original" has long since become a trademark for outstanding quality, safe service availability and reliability.



The team from Manfreco Company at the Advanced Mechanical Workshop at the University

TU-K DON FETED BY THE FRENCH GOVERNMENT



Dr. Teresa Atieno Otieno receives her award from the France Ambassador to Kenya, H.E. Aline Kuster-Ménager

France Ambassador to Kenya, H.E. Aline Kuster-Ménager, (left) Dr. Teresa Atieno Otieno, (centre) TU-K Vice-Chancellor, Prof. Francis Aduol

Dr. Teresa Atieno Otieno, has been recognized by the French Government for her contribution to the teaching of French in Kenya. Dr Otieno, a Senior Lecturer in the Department of Modern and Classical Languages, was awarded by the France Ambassador to Kenya, Aline Kuster-Ménager during the International Day of Teachers of French at Alliance Française, Nairobi.

The International Day of Teachers of French was celebrated for the first time in Kenya and third time worldwide. The event aims at honouring French teachers, bringing together the main stakeholders in the promotion of the French Language, and encouraging constructive dialogue by allowing teachers to meet face-to-face.

At the ceremony, Dr. Otieno said French language currently offers many opportunities to Kenyans, including going to France to teach English and vice versa, through a language assistant programme. She also encouraged skilled French speakers to take an active role in promoting as well as bridging the

demand for the language by becoming French teachers.

“Currently, we have many French students at TU-K and there is demand for teachers of French not only at our university but other institutions,” she said

French Embassy attaché, Julie Briand, further added that they were working closely with the Ministry of Education to deepen the learning of French as currently there are about 500 teachers of French in Kenya.

The event saw teachers under the Kenya Association French Teachers (KATF) drawn from schools, colleges, universities and resource centres across the country attend round-table meetings and short seminars on student motivation

French language currently offers many opportunities to Kenyans, including going to France to teach English and vice versa, through a language assistant programme.

and pedagogical projects in line with the competency-based curriculum among others.

KATF President Josaphat Peter welcomed teaching of French in Grade Four under CBC but called for training of more teachers.

“There is need for colleges to initiate training of French teachers for Grade Four because most of those being trained are high school teachers who may not be able to handle the physiological needs of the junior grades. As for now, there are only 29 of us who have been trained and we need more,” he said.

Dr. Otieno, holds PhD in Linguistics from Université Michel de Montaigne – Bordeaux 3, France, Post-Graduate Degree in Linguistics from Université Toulouse Le Mirail 2, France, Master in Linguistics from Université Michel de Montaigne - Bordeaux 3, France, First Degree in Linguistics, Université Michel de Montaigne –Bordeaux 3, France and Diploma in Education - French and History, from Siriba Teachers’ Training College, Maseno.

HISTORY OF THE FRENCH AWARDS

The award known as *Les Palmes Académiques* awarded to Dr Otieno by the French Government is for valuable services, that is, in the promotion of French language in Kenya. It is in the category of Knight (Chevalier) – silver palm of 50 mm worn on ribbon on left breast. It is conferred to not more than 4547 persons annually.

The *Ordres des Palmes académiques* (Order of Academic Palms) is a national order bestowed by the French Republic on distinguished order knighthood of France for academics and cultural and educational figures. Originally established in 1808 by Emperor Napoleon to honor eminent members of the University of Paris, it was changed into its current form as an “order of merit” on 4th October 1955 by President René Coty, making it one of the oldest civil honours bestowed by the French Republic.

The “Palmes Académiques” was founded to give back to the men and women who spend their lives teaching how to think for oneself and to open one’s mind to culture. France is a country that truly admires their work. It’s at the core of the French social contract, since the origins and especially the Revolution.



Commander’s neck badge and ribbon

The order is conferred for services to the universities, in teaching or in scientific work. It can be conferred on both French citizens, including those residing abroad, and foreigners. The minimum age of conferment is 35 years. Promotion to a higher grade usually requires five years in the lower rank. The order is administered by a council whose president is the Minister of National Education. Decisions on nominations and promotions are proposed by the minister and formally decided by the Prime Minister.

This is the highest award but it has 3 grades:

Since 1955, the *Ordre des Palmes académiques* has had three grades, each with a fixed annual number of new recipients or promotions:

- Commander (Commandeur) – gold palm of 60 mm surmounted by a laurel wreath (couronne) worn on necklet, limited to 280 annually;
- Officer (Officier) – gold palm of 55 mm worn on ribbon with rosette on left breast, limited to 1523 annually;
- Knight (Chevalier) – silver palm of 50 mm worn on ribbon on left breast, limited to 4547 annually.

Previous African recipients

- Léopold Sédar Senghor, first president of Senegal
- Mr Peter Owino, Senior Principal, Baringo High School
- Prof. Fredrick Iraki Professor of French, USIU
- Dr. Caroline Oyugi of University of Nairobi
- Obilo Ng’ongo of Alliance Française of Nairobi, Kenyan Pedagogist



Dr. Teresa Atieno Otieno delivers her acceptance speech.

TU-K INCORPORATES SIGN LANGUAGE IN CURRICULAR

During 2021 October intake, the Technical University of Kenya admitted its first deaf learners to pursue a Diploma Course in Health Records provided within the Department of Health Systems Management and Public Health. Through the help of sign language interpreters, they were fully oriented into the University's system during First Year's Orientation Week and are continuing to attend both physical and online lectures. This was made possible by large pool of sign language interpreters now at the University.

People with disabilities experience difficulties in access to health care. Apart from physically inaccessible buildings and physician offices, they also experience inaccessibility to medical and diagnostic equipment and inadequate providers to ensure effective delivery of care. Persons with disabilities therefore require modifications, called reasonable "accommodations" to enable patients receive care. Deaf patients or those with speech impairment will require the presence of a sign language interpreter or longer appointment slots to accommodate the slower pace of communication between the patient and the doctor. Through our two deaf students undertaking the Health Records course, TUK is attempting to address this gap by providing learning "accommodations" to these particular students and for the student-graduates to provide health services to other patients in their stations in future.

The university prides itself with Centre for Languages and Communication Studies that embraces Kenya Sign Language. Through the centre, two Sign Language Interpreters were employed. The interpreters and staff in the centre readily assist and support deaf students who have been admitted in the university. The interpreters also offer interpretation services in activities such as seminars, meetings, conference, trainings and other activities involving deaf members of staff and students.

In addition to sign language interpreters, the Disability Mainstreaming Committee secured a sponsored sign



Front row from left: Dr. Francis Oguya, Member of Disability Mainstreaming Committee, sign language interpreters Ms. Cindy Gor, Ms. Felister Wanjohi, Mr. Robert Borter. **Back row from left:** Students Mr. Salat Abdi, Mr. Muhamed Hassan and Prof. Alfred Orina, Director School of Health Sciences and Technology.

language training for 5 other staff shared out to various departments across the university. This csecond cohort are still undergoing further training that will enable them be at the par with first sign language staff.

Deaf people worldwide have been facing inequalities in accessing information and university education. Many institutions of higher learning in Kenya are unable to admit deaf students because of communication barriers. The

Worldwide, persons with hearing challenges have been facing inequalities in accessing information and university education.

Technical University of Kenya, however stands tall as one of the universities that not only embraces people with disability but also ensures they achieve the highest academic credentials both as a human right and for their career progression.

The Government of Kenya has directed Parliament to amend Kenya Sign Language Bill, 2019, which stipulates that the deaf and hard of hearing should be fully integrated in the society in terms of access quality education and public services. The Bill also advocates the recognition of Sign Language Interpreters. Universities and institutions of higher learning in Kenya are therefore fast embracing and promoting the use and teaching of Kenya Sign Language.

On this, TU-K is on top of things.

UASU HOLDS EDUCATION DAY FOR MEMBERS

Universities Academic Staff Union (UASU) TU-K Chapter held its first members education day virtually. The education Day, organized by (UASU) TU-K Chapter's Education and Research Committee, aimed at providing its members an avenue to discuss topical issues as well as emerging issues brought about by the COVID-19 pandemic.

The event, themed "An informed membership for a stronger UASU" was graced by Prof. Paul Shiundu, DVC Academic and Student Affairs, representing the Vice Chancellor, University Registrar and Chief Administrative Officer, Dr. Hesbon Nyagowa as well as Mr. Kihoro Magu, the Human Resource Director.

The Chairperson, (UASU) TU-K Chapter, Mr Jacob Musembi, said that he believed union members will be able to learn a lot from experts and colleagues with an aim of making TU-K the best place to work in, and together they shall be able to grow in needs and achieve in making the chapter stronger.

Mr. Fred Sawenja, the Chapter Secretary said that as members of the union, it was always important to understand and know how to handle issues, not just as employees but as members of the union.

"We are duty bound as members of UASU as well as members of the academic fraternity of this institution to be aware of our responsibilities so that we can be better placed to perform our obligations to both the employer and the union in a less conflicting manner," he said.

The Vice-Chancellor, Prof. Francis Aduol, in his keynote speech that was read by Prof. Shiundu, commended the union leaders for organizing the education day and further inviting university management to the function, saying they are partners with a common interest.

"This education day could not have come at a better time, because often most of the trade unions are viewed through the lenses of 'salary bargaining' and organizing industrial action when they are not paid. This inscribed belief has blurred members of the unions from recognizing that apart from salary negotiations there are staff welfare issues that the union participates in negotiating in order to make the life of their members



UASU officials during the 2021 Annual General Meeting.

comfortable. The university management has been progressive on union matters, facilitating the recognition of union legitimate engagement with the staff.

We believe that issues should be sorted out amicably through constructive engagement. It is for this reason that the university management is committed to an open-door policy.

Whereas the management is determined to provide a conducive work environment, there are some things that are beyond them and one of such is underfunding. As a result, the university is not in a position to meet its obligation in spite of its willingness to do so." He thus appealed to the union members to be patient and understanding."

Prof Shiundu in his address thanked the (UASU) TU-K Chapter for organizing the event and recognizing the social partnership that exists between the university management and the union.

He also added that as the Deputy Vice Chancellor sitting in various staff disciplinary committees, he was very

happy with how the union had been responsible in performing its duties.

"I am happy to note and report that I'm impressed on several occasions when union officials representing the accused in some of these committees have seen it prudent to castigate and sometimes reprimand some of these so-called errant members," he concluded.

As for the training, The Chapter Secretary, said that the topics and invited guests had been carefully selected to cover some of the most pertinent issues that are central to unionism, which include Employer-employee relationships as well as how to navigate the challenges at our workplace both legally and from a union perspective.

According to the Secretary General, the theme was fit, as there were a lot of emerging internal and external challenges and when union members were informed, they were able to act strategically. Besides there was the need to reinforce collectivism, a core spirit of unionism, cultivate a mutual learning process that leads to the world best practice, drive objective change as well as learn how to navigate through work related conflicts, disciplinary cases, COVID-19 challenges as informed members.

"UASU is very unique, we have 37 chapters in the country and unless we understand a mutual learning platform from where we can converge our ideas ,we will always have challenges.," he concluded.

The invited guests included, Prof. George Osanjo, from The University of Nairobi, and Dr. Jacob Omollo from Kenyatta University.

I am happy to note and report that I'm impressed on several occasions when union officials representing the accused in some of these committees have seen it prudent to castigate and sometimes reprimand some of these so-called errant members.

MR AND MISS TU-K PICKED

By Agatah Wanjiru
Journalism Student

The Technical University of Kenya Culture Week saw the recognition and award of best performance in various fields and disciplines including best student leader of the year, best blogger, best class representative, games personality of the year, best club, and eventually the new TU-K ambassador.

The chief guest of the day was David Osiany, Chief Administrative Secretary in the Ministry of Industrialization, Trade & Enterprise Development, who greatly encouraged the students on the need to appreciate diversity which to a greater extent brings about cohesive integration and one that enables and promotes peaceful co-existence.

23rd of July 2021 marked the end of a well-deserved search for next ambassadors of The Technical University of Kenya alias Mr. and Miss TU-K. Basically the entire theme of the event was rising to the challenges of Covid-19.

Technical University of Kenya hosts a larger community who in them tags along various culture hence the need to appreciate the diversity. TU-K cultural week always runs for a period of one week with each day dedicated to a particular activity and dress code too. Included is the awarding of the best students in various sectors like blogger of the year, best student in sports, best club of the year, best student leader among others. The event was graced by the Vice Chancellor Prof. Francis Aduol and the Deputy Vice Chancellor Prof. Paul Shiundu. They both insisted on the need to appreciate culture present in TU-K and showed fully support of the whole idea of TU-K cultural week.

The search starts with the modelling, a fine technique that is used to select the best of all. Only the confident persons are able to make it to the finals. The Mr. and Miss TU-K competition was stiff with esteemed ladies being 13 while the gents were 7. It takes hardwork for one to get a chance to be selected as a contestant and therefore each of the contestants had to give their best so as to win. Before the D-Day, auditions have to be carried out for the purposes of choosing who is fit for the competition. The auditions judge of the day was the former Miss



Leon Ochieng Ouma and Pleasant Gikwa are the new Mr. & Miss TU-K. They are taking over from Mr. and Miss TU-K 2019: Akoko Junior and Linet Kinya.

TU-K 2019, Linet Kinya. Linet who is also privileged to be the Miss University Kenya is set to represent Kenya in China where we're hopeful she will do great.

The contestants filled with zeal and the pressure to do their best show cased their moves and their creativity in the various levels of modelling. The judges of the day together with the help of students from the Technical University of Kenya helped in the decision making process through the online platform of voting which in this case was via instagram. The contestants with the higher number of likes stood a greater chance to win.

The search race finally ended with the best female and male contestants being crowned in an event that climaxed at around 9pm. The new faces of the Technical University of Kenya in the male and female category are Leon Ochieng Ouma and Pleasant Gikwa respectively. Pleasant pursues Travel and Tourism Management in the university and as she wrote in one of the online pages dubbed TUK models, apart from fashion she is also passionate about mental health

Cherish your visions and your dreams as they are the children of your soul, the blue prints of your ultimate achievement.

and would love to use the platform to reach out to comrades who are battling depression. Leon is a Bachelor of Science in accountancy student. He writing in the same platform he expressed his desire for contesting as being the need to appreciate our culture particularly the Kenyan culture. Moreover, he is an advocate for justice in the society for a better future.

Speaking to the new Mr. and Miss TU-K, they had the following to say "Cherish your visions and your dreams as they are the children of your soul, the blue prints of your ultimate achievement..." Napoleon Hill. Mr. TU-K encouraged many of the students the need to water their dreams and keep total fidelity in them.

For Miss TU-K, this is what she had to say, "I'm honored and blessed to have the opportunity to serve as Miss TU-K 2021-2022. I acknowledge God's hand and for sure, all the glory goes to Him. I'm looking forward to working with Mr. Leon and the whole team of models, TU-K administration and TU-K students as well. The goal is to have a great project that will impact many and change TU-K for the better. "Don't downgrade your dream to fit your reality. Upgrade your conviction to match your destiny".

The two now stand a chance to work hand in hand with the University management through the office of sports, culture and entertainment.



TU-K RECEIVES A TEACHING ASSISTANT FROM FRANCE



Ms. Edith Hodey

Ms Edith Hodey has joined TU-K as a French Teaching Assistant for 9 months. This is part of the Exchange programme supported by the Embassy of France in Kenya in promoting the French language.

Ms Hodey is based at the University of Paris 1 Panthéon-Sorbonne, Department of International Relations. Ms Hodey is a French national.

She is currently in the first year of her Master of Political Science. Ms Hodey already has experience in terms of pedagogy, schools, and the associative environment, having worked with a large public ranging from children to teenagers and young adults. For three years, she has been working as an education assistant in a middle-school. Previously she volunteered in an association offering tutoring and cultural support for children in difficulty, often non-French

speakers, in order to help them to learn French and discover France.

“Teaching for the whole academic year will allow me to establish a real relationship with the students, as well as to deepen the trust between lecturers and students and fully grasp the learning approach required. Moreover, as a native speaker, I will also be able to bring my personal culture to the classes. Teaching in itself is a field I have an interest in, thus this experience would help me understand the implications of the job,” says Ms Hodey.

She speaks other foreign languages, such as English, Arabic, German, and modern Greek. To learn French is to learn in part the language, and in part the rich and varied culture attached to it, with its customs and different accents.

3RD CULTURAL WEEK STAGED

The 3rd TU-K Cultural Week was marked with pomp, color, and creative power, despite the dampening mood of the COVID-19 pandemic. The event's Chief Guest was the Vice Chancellor, Prof. Francis Aduol. In his opening remarks, Prof. Aduol encouraged the students to participate and excel in co-curricular activities. "Aside from academics, we are looking to build a wholesome person; someone who is able to work with other people. We are proud of the cultural activities taking place outside the classroom, and we would like you to use them to promote the university," he said.

He further advised the students to ensure that they mention the co-curricular activities they participate in in their resumes because it gives them an edge during job interviews.

Prof. Aduol also toured various exhibition stands, including the innovation tent where a Bachelor of Technology in Electrical and Electronic Engineering student, Mr. Jack Mcleans, had developed a predictive maintenance industrial machine. The prototype is designed to give an alert so that a company only does maintenance when failure is eminent. Mr. Mclean developed the machine in the form of a learning kit so that students can also use it to learn various concepts. The Vice-Chancellor applauded his efforts and encouraged him to patent his innovation adding that he could use it as a money-making venture.



TU-K students drama club perform during cultural week.

The Dean of Students, Prof. Omondi Oketch, said that this year's event was coordinated by his department in conjunction with SATUK (Student Association of The Technical University of Kenya) had received immense support from the Management to ensure that it ran successful.

The Deputy Vice-Chancellor, Academics and Students Affairs, Prof. Paul Shiundu, who also attended the event said that the students should use their talent and such cultural events to showcase the University nationally, regionally and even globally.

The reigning Miss Universities Kenya, who is also Miss TU-K, Ms. Linet Kinya, was the image of beauty with brains. She applauded the University for supporting her through Miss Universities Kenya pageant.

TU-K Cultural Week gives the University a chance to celebrate culture and appreciate its diversity in Kenya. The activities lined up for the week include da talent show and SATUK Awards that saw exemplary students in different disciplines recognized and awarded. The event wrapped up with the annual Mr. and Miss TU-K contest.



Student leaders take the VC Prof. Francis Aduol through some of the innovations exhibited during the Culture Week

TU-K TOPS 2021 VARSITY DRAMA, FILM AND MUSIC FESTIVAL IN MERU

The Technical University of Kenya emerged the overall best university in the 3rd Kenya Universities Drama, Film and Music Festivals held at Meru University of Science and Technology. The competitions which were organized by the Kenya Universities Performing Arts and Film Association (KUPAA) saw TU-K beat 25 other universities to scoop four top positions, one second position and two third positions in various genres.

Some of the TU-K performances that won accolades at the festival include; The French play; *Isabelle*, choral verse; *Meta Meta Medicare*, solo verse; *footsteps*, modern dance; *Peace Truth and Justice*, cultural creative dance and narrative; *UC FM*. Led by Dr. Otieno the French play took the lead with seven trophies, of which three were donated by the French Embassy for the French plays category.

In this regard, the team was invited to perform at the Kenya International Theater Festival at the Kenya National Theater, featuring various performances from China, India South Africa and Europe.

Following the team's excellent performance, the Director, Students Support Services Prof. Omondi Oketch called upon the team to present some of the best performed genres to the VC Prof. Francis Aduol, who was accompanied by DVC-ASA Prof. Paul Shiundu, and TU-K Drama Club Patron Patrick Ogutu, who is the KUPAA Secretary General.

Prof. Aduol commended the team, noting that they had elevated TU-K



The VC Prof. Francis Aduol receives the trophy of the best overall team from Faith Jwenge, the Drama Teams Secretary during the presentation of the trophies won at the festival AS the DVC Prof. Paul Shiundu (left) looks on. Also in the picture is the Director of Student Support Services Prof. Omondi Oketch and the club patron Patrick. Ogutu.

by beating the old universities in the country not only in academics but also in co-curricular activities including drama, music performances, sports among others. The VC said co-curricular activities play a critical role in building students' character thus helping in relating to other human beings and the environment.

"I have stayed in the university long enough to know that universities were never created to teach technology or science; universities were originally created to teach culture and to prepare a person for life," He added; TU-K is not only getting known for what we are doing in science and technology, we are already getting very well known in culture which include music, drama, and sports."

The VC further noted that the university was considering setting up a

soft skills programme to prepare TU-K graduates to face the job market.

Prof. Aduol noted that majority of the students perform best in their classwork but could easily express themselves, even after graduating. "Recently, a student who was on industrial placement in Industrial Area completed his internship period and just left, the company wanted to hire him but he did not express interest," he said adding that, the graduate simply lost an employment opportunity for the simple reason that he did not ask for it.

The VC further stated that the University, through the Centre for Science and Technology Studies, will roll out a programme soon to ensure students are developed in all spheres.

The DVC, Prof. Shiundu, while congratulating the team noted that the exemplary performance demonstrated that students had huge potentials in excelling and making a very successful living from such areas as drama, music and sporting activities.

"I understand that a lot of time and effort goes into this exercise, to imagine this is being done over and above the normal expectation of our academic endeavors, speaks volumes about our potential." He said.

Prof. Shiundu also appreciated the VC for allowing the students to engage in such activities, contrary to what most universities would term as disruption of students' academics.



4th from right standing: Dr. Teresa Atieno Otieno who joined in celebrating with part of The French team performers who bagged seven trophies.

A BUDDING TABLE TENNIS STAR



Patrick Kimamo receives a gift kit from KTTA President Andrew Mudibo (centre) as his father looks on



Patrick Kimamo with Josiah Wandera during Simon Njenga Tournament

By Savannah Delcyn
Journalism Student

Grasping at his cufflinks he boasts the epitome of confidence 22-year-old Patrick Kimamo hopes to one day change the ball game in Table Tennis. Given this young man's unquenched zeal for the sport, it is safe to say he is well on his way there.

Admittedly, he says, his frame at the beginning of his craft was not nearly as big as his confidence today. He tried to secure a place in nearly every school sport back in high school and having failed, he tried out table tennis because in his words, "who is not fascinated by a small ball being played on a table?" Table Tennis would eventually push him into his career, instil discipline and skill in him. Kimamo shares his experience with Table Tennis so far, where it is taking him and his aspirations.

He joined the Technical University in 2017 having already secured a place for himself in the Kenya Table Tennis Association, an association most young professionals dream of being a part of. The university was more than glad to have him aboard and looked forward to helping the dreams of this young champion be realized. He has played in some of the country's biggest tournaments both international and local like the Simon Njenga tournament in 2019.

He is also proud to have achieved qualification to tour countries he thought only in his dreams like Greece to

represent the U21 males in 2018 under KTTA.

Kimamo attended Thika High School from 2013 and he remembers three important gentlemen that guided him through the sport; one Mr. Charles Nyangau his games teacher who encouraged his interest in his new-found sport at the time and his two coaches Mr. Joe Manyonge and Mr. Mike Masake who also played a big part in helping him realize his passion.

When asked what it is about Table Tennis that makes him tick. It's easy and it is two things- the adrenaline and improved coordination it has helped him develop over the years. Hand-eye coordination is an aspect of the sport that separates the amateur from the pro and he emphasizes being fit is of great importance in Table Tennis as playing it hinges on mobility of your entire body.

He explains that in his first year he had endless evenings spent at the Gymnasium even when it had limited equipment. He appreciated the University for getting more equipment to help students like him who depended on maintaining fitness for the benefit of their curricula.

Above everything, Kimamo attributes his undying passion for the sport to his father who has not only been a parental figure to him through the journey but also his first mentor and biggest supporter. He pulls up a picture taken in 2016, his dad next to him showing nothing but awe when he was being handed a Stiga Kit by the president of

the Kenya Table Tennis Association Mr. Andrew Matibo.

In the Simon Njenga Tournament he went up against a great player, Josiah Wandera whom he beat. It was a memorable game considering Josiah was a long time competitor who knew no losses.

Today under coaches Stanley Moyi, Kennedy Ojal and Bwana Ojiambo, Patrick Kimamo is soaring for the skies and giving dust at tournaments all while putting The Technical University of Kenya on the map.

TU-K prides itself in having a champion within its walls, he appreciates greatly the availability of various facilities on campus that had allowed him to adequately prepare for upcoming tournaments. He ensures he gets his weekly lifts and workouts within the school gym but even so, he divulges that juggling his craft and school had not been easy given the hours of training Table Tennis demands.

He chuckles saying he had come this far and would keep going far and says students coming after him will see his picture on walls across the university as he believes it is a good start he is on and that he will become a big name. When asked if Table Tennis has become a part of his career now, he shifts in his seat crossing his leg over the other leaning back, and says: "I play Table Tennis in my dreams!" he belts out. He is still a young and energetic lad with a lot more cups to bring home and prides himself a Table Tennis legend in the making.



THE TECHNICAL UNIVERSITY OF KENYA

MODULE II PROGRAMMES UNDERGRADUATE AND DIPLOMA

STARTING **OCTOBER** 2021



THE Technical University of Kenya (TU-K) is the leading university in technological education and training in Kenya. The University was awarded a Charter in 2013, making it a fully-fledged public university. The University specialises in training at the Postgraduate, Undergraduate and Diploma levels, while at the same time engaging in research. It has a clear student upward movement policy, which makes it easy for students to move from one level of training to the next, and recognise prior training by awarding students credit transfers. The University has developed and implemented a digitised and completely paperless student applications process; from application to registration. Students are therefore, advised to make their applications on-line for the programmes listed below:

COURSE TITLE	REQUIREMENTS	DURATION
FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT TECHNOLOGY		
SCHOOL OF ARCHITECTURE AND SPATIAL PLANNING		
Bachelor of Architectural Studies/ Bachelor of Architecture	• KCSE Mean Grade C+, with C+ in Mathematics, C+ in Physics, C+ in English/Kiswahili, and C+ in any Group III subjects	4 years (BAS); 2 years (B.Arch) Integrated
Diploma in Technology (Architecture)	• KCSE Mean Grade C, with C, in Mathematics, C in Physics, C in English/Kiswahili and C in any Group III subjects	3 years (Integrated programme)
SCHOOL OF AEROSPACE AND VEHICLE ENGINEERING		
Bachelor of Engineering (Aeronautical Engineering)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Maths A, Physics, Chemistry and Eng./Kis.	5 years (Integrated programme)
Diploma in Technology (Aeronautical Engineering Technology)	• KCSE Mean Grade C (Plain) with at least C (plain) in Maths, Physics, Chemistry and English/Kiswahili	3 years (Integrated programme)
Diploma in Technology (Mechanical Engineering Technology): Automotive and Autronic Engineering option	• KCSE Mean Grade C (Plain) with at least C (plain) in Maths, Physics, Chemistry and English/Kiswahili	3 years (Integrated programme)
SCHOOL OF CHEMICAL AND BIOLOGICAL SYSTEM ENGINEERING		
Bachelor of Engineering (Chemical Engineering)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Maths A, Physics, Chemistry and Eng./Kis.	5 years (Integrated programme)
Bachelor of Engineering Technology (Chemical Engineering Technology)	• KCSE Mean Grade C- (Minus) and Diploma in Technology in Chemical Engineering Technology or equivalent	3 years (Part-time)
Diploma in Technology (Chemical Engineering Technology)	• KCSE Mean Grade C (Plain) with at least C (plain) in Maths, Physics, Chemistry and English/Kiswahili	3 years (Integrated programme)
SCHOOL OF CONSTRUCTION AND PROPERTY STUDIES		
Bachelor of Built Environment (Construction Management)	• KCSE Mean Grade C+ (plus) with C (Plain) in Maths A and Pass in Physics, Eng./Kis. and 2 nd Group II/Group III/IV/V	4 years (Integrated programme)
	• Diploma in Technology in Quantity Surveying, Building Construction, Civil Engineering, Architecture OR	3 years (Part-time)
	• TEP Diploma in Building Construction, Civil Engineering, Architecture, Quantity Surveying or equivalent with at least 2 years relevant work experience, together with Mean Grade C- (Minus)	
Bachelor of Quantity Surveying	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Maths A, Physics and Eng./Kis together with 2 nd GROUP II or 2 nd GROUP III or any GROUP IV or any GROUP V	4 years (Integrated programme)
	• Diploma in Quantity Survey, together with Mean Grade C- (minus)	3 years (Part-time or Integrated)

Integrated programmes will be taught during the day on weekdays together with Government-sponsored students
Part-time programmes will be taught in the evenings and on weekends

COURSE TITLE	REQUIREMENTS	DURATION
Bachelor of Technology (Building Construction)	• KCSE Mean Grade C+ (plus) with C+(plus) in Maths A and Physics together with a Pass in 2 nd Group II/III/IV/V OR	4 years (Integrated programme)
Bachelor of Technology (Building Construction)	• KCSE Mean Grade C- (Minus) and Diploma in Technology in either: Building Technology, Civil Engineering, Quantity Surveying or Architecture or equivalent or TEP Diploma in the above areas,	3 years (Part-time or evening)
Bachelor of Real Estate	• KCSE Mean Grade C+ together with C+ (plus) in Maths A and a Pass in Eng./Kis., Group II/III/IV/V	4 years (Integrated programme)
	• KCSE Mean Grade C- (Minus) and Diploma in Technology in Real Estate or equivalent or TEP Diploma in the above areas,	3 years (for Diploma holders)
Diploma in Technology (Real Estate)	• KCSE Mean Grade C (Plain) together with at least C (plain) in Maths and a Pass in Eng./Kis., Group II/III/IV/V	3 years (Integrated programmes)
Diploma in Technology (Quantity Surveying)	• KCSE Mean Grade C (Plain) together with C (plain) in Maths A, Physics And a Pass in any GROUP III, 2 nd Group II/Group III/IV/V	
Diploma in Technology (Construction Management)	• KCSE Mean Grade C (Plain) together with C (plain) in Maths A, and Pass in Physics, Eng./Kis. And 2 nd Group II/Group III/IV/V	
Diploma in Technology (Building Construction)	• KCSE Mean Grade C (Plain) with C (plain) in Maths A, Physics and Eng./Kis.	
SCHOOL OF CIVIL AND RESOURCE ENGINEERING		
Bachelor of Engineering (Civil Engineering)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Maths A, Physics, Chemistry and Eng./Kis.	5 years (Integrated programme)
Bachelor of Engineering Technology (Civil Engineering)	• KCSE Mean Grade C- (Minus) and Diploma in Technology in either: Civil Engineering, Highway Engineering, Water Engineering, Building Construction or equivalent or TEP Diploma in the above areas,	3 years (Part-time)
Diploma in Technology (Civil Engineering)	• KCSE Mean Grade C (Plain) with at least C (plain) in Maths, Physics, Chemistry and English/Kiswahili or Certificate in Civil or Water Engineering, with KCSE Mean Grade D+	3 years (Integrated programme)
SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING		
Bachelor of Engineering Technology (Electrical and Electronic Engineering Technology)	• Higher Diploma in Technology (Electrical and Electronic Engineering Technology) together with KCSE Mean Grade C- (Minus)	3 years (Part-time)
	• KCSE Mean Grade C- (Minus) and Diploma in Technology in Electrical and Electronic Engineering Technology or its equivalent recognised by senate of TU_K or TEP Diploma in the above disciplines.	3 years (Part-time)

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COURSE TITLE	REQUIREMENTS	DURATION
Diploma in Technology (Electrical and Electronic Engineering)	• KCSE mean Grade of C (plain) with at least C (plain) in Maths, Physics, Chemistry and Eng./Kis.	3 years (Integrated programme)
SCHOOL OF MECHANICAL AND MANUFACTURING ENGINEERING		
Bachelor of Engineering (Mechanical Engineering)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Maths A, Physics, Chemistry and Eng./Kis.	5 years (Integrated programme)
Bachelor of Engineering Technology (Mechanical Engineering Technology)	• KCSE Mean Grade C- (Minus) and Diploma in Technology in Mechanical Engineering Technology OR • TEP Diploma in Mechanical Engineering or equivalent with at least 2 years relevant work experience, together with Mean Grade C- (Minus)	3 years (Part-time)
Diploma in Technology (Mechanical Engineering Technology): • Manufacturing Engineering • Industrial Plant and Energy Engineering • Structural Fabrication and Metallurgical Engineering • Refrigeration and Air Conditioning Engineering: • Mechatronic Engineering	• KCSE Mean Grade C (Plain) with at least C (plain) in Maths, Physics, Chemistry and English/Kiswahili	3 years (Integrated programme)
SCHOOL OF SURVEYING AND GEOSPATIAL SCIENCES		
Bachelor of Engineering (Geospatial Engineering)	• KCSE Mean Grade C+ (plus) with C+(plus) in Maths A, Physics, C(plain) in Geography and a Group II or any Group III or any Group IV or any Group V	5 years (Integrated programme)
Bachelor of Applied Science (Geospatial Information and Communication)	• KCSE Mean Grade C+ (plus) with C+(plus) in Maths A, Physics, C(plain) in Geography and a Pass in a Group II or any Group III or any Group IV or any Group V	5 years (Integrated programme)
Bachelor of Technology • Surveying Technology • Geo-information Technology	• KCSE Mean Grade C+ (plus) with C+(plus) in Maths A, Physics, C(plain) in Geography and a pass in any GROUP II or 2nd GROUP III or any GROUP IV or any GROUP V • KCSE Mean Grade C- (Minus) and Diploma in Technology in Geo-information Technology, Surveying Technology or equivalent	4 years (Integrated programme) 3 years (Part-time)
Bachelor of Science (Land Administration)	• KCSE Mean Grade C+(plus) and C+ (plus) in Maths A and a Pass in Physics, Group III, 2 nd Group II/ Group IV/V	5 years (Integrated programme)
Diploma in Technology in :- • Geo-information Technology • Surveying Technology	• KCSE Mean Grade C (Plain) with C (plain) in Maths A, Physics and Geography OR • Certificate in Land Surveying or Cartography with Mean Grade D+ (Plus)	3 years (Integrated programme)
FACULTY OF APPLIED SCIENCES AND TECHNOLOGY		
SCHOOL OF BIOLOGICAL AND LIFE SCIENCES		
Bachelor of Technology (Applied Biology)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Biology, C (Plain) in Maths A and Chemistry OR • KCSE Mean Grade C- (Minus) and Diploma in Technology in Applied Biology or equivalent	4 years (Integrated programme) 3 years (Part time)
Bachelor of Technology (Biotechnology)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Biology, C (Plain) in Maths A and Chemistry • KCSE Mean Grade C- (Minus) and Diploma in Technology in Biotechnology or equivalent	4 years (Integrated programme) 3 years (Part-time)
Bachelor of Technology (Food Science and Technology)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Biology, Chemistry, Physics/Maths A and English/Kiswahili • KCSE Mean Grade C- (Minus) and Diploma in Technology in Food Technology or equivalent	4 years (Integrated programme) 3 years (Part-time)
Bachelor of Science (Biochemistry)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Biology, C (Plain) in Maths A and Chemistry.	4 years (Integrated programme)
Bachelor of Technology (Science Laboratory Technology)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Biology, C+ (Plus) in Chemistry and Pass in Physics OR • KCSE Mean Grade C- (Minus) and Diploma in Technology in Science Laboratory Technology or equivalent	4 years (Integrated programme) 3 years (Part time)
Diploma in Technology (Science Laboratory Technology)	• KCSE Mean Grade C- (minus) with C- (minus) in Biology, C- (minus) in Chemistry/Physics and Pass in Maths A OR • Certificate in Science Laboratory Technology, together with Mean Grade D+ (Plus)	3 years (Part-time) 3 years (Part-time)
Diploma in Technology (Industrial and Applied Biology)	• KCSE Mean Grade C- (minus) with C- (minus) in Biology, D+ (plus) in Maths A and Chemistry.	3 years (Part-time)
Diploma in Technology (Biotechnology)	• KCSE Mean Grade C- (Minus) with C- (Minus) in Biology, Chemistry, Maths A/Physics and any Group 1	3 years (Part-time)
Diploma in Technology (Biochemistry)	• KCSE Mean Grade C- (Minus) with C- (Minus) in Biology, D+ (Plus) in Maths A and Chemistry	3 years (Part-time)
Diploma in Technology (Ecology and Conservation Biology)	• KCSE Mean Grade C- (minus) with C- (minus) in Biology, D+ (plus) in Maths A and Chemistry.	3 years (Part-time)
Diploma in Technology (Food Science and Technology)	• KCSE Mean Grade C- (minus) with C- (minus) in Biology, Chemistry, Physics/ Maths A and English/ Kiswahili	3 years (Integrated programme)
SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY		
Bachelor of Technology (Information Technology)	• KCSE Mean Grade C+ (plus) with C (Plain) in Maths A	4 years (Integrated programme)
Bachelor of Technology (Computer Technology)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Maths A and Physics	4 years (Integrated programme)
Bachelor of Technology (Communication and Computer Networks)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Maths A and Physics	4 years (Integrated programme)
Bachelor of Technology in :- • Computer Technology • Information Technology • Communication and Computer Networks.	• KCSE Mean Grade C- (Minus) and Diploma in Technology in Computer Technology or Information Technology or Communication and Computer Networks or equivalent	3 years (TU-K) 10 terms (TEP)
Diploma in Technology (Information Technology)	• KCSE Mean Grade C- (minus) with C- (minus) in Maths A	3 years (Integrated programme)

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COURSE TITLE	REQUIREMENTS	DURATION
Diploma in Technology in :- • Computer Technology • Communication and Computer Networks	• KCSE Mean Grade C- (minus) with C- (minus) in Maths A and Physics	3 years (Integrated programme)
SCHOOL OF CHEMISTRY AND MATERIAL SCIENCE		
Bachelor of Technology (Industrial and Applied Chemistry)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Chemistry, C (Plain) in Maths A and Physics OR • KCSE Mean Grade C- (Minus) and Diploma in Technology in Analytical/Industrial Chemistry or equivalent	4 years (Integrated programme) 3 years
Diploma in Technology (Analytical Chemistry)	• KCSE Mean Grade C- (minus) with C- (minus) in Chemistry, D+ (Plus) in Maths A and Physics.	3 years (Integrated programme)
Diploma in Technology (Industrial Chemistry)	• KCSE Mean Grade C- (Minus) with C- (minus) in Chemistry, D+ (Plus) in Maths A and Physics.	3 years (Part-time)
SCHOOL OF HEALTH AND BIOMEDICAL SCIENCES		
Bachelor of Technology (Community Health and Wellness)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Biology, Chemistry, Maths/Physics and English/Kiswahili • KCSE Mean Grade C- (Minus) and Diploma in Technology in Community and Public Health or equivalent	4 years (Integrated programme) 3 years (Part-time)
Diploma in Community and Public Health	• KCSE Mean Grade C- (Minus) with C- (minus) in Biology, Chemistry, Maths/Physics and English/ Kiswahili	3 years (Integrated)
Diploma in Technology (Health Records & Information Technology)	• KCSE Mean Grade C- (minus) with D+ (plus) in Maths A/B	
Bachelor of Science (Nutrition and Dietetics)	• KCSE Mean Grade C+ (Plus) with C+ (Plus) in Biology, Chemistry, Maths/Physics, Geography/Agriculture/ Home Science and English/Kiswahili	4 years (Integrated programme)
Bachelor of Technology (Nutrition and Dietetics)	• KCSE Mean Grade C- (Minus) and Diploma in Technology in Nutrition and Dietetics or equivalent	3 years (Part-time)
Diploma in Nutrition and Dietetics	• KCSE Mean Grade C- (Minus) with D+ (Plus) in Biology, Chemistry, Maths/Physics, Geography/ Agriculture/Home Science and English/Kiswahili Or • Certificate in a related course, with KCSE D+	3 years (Integrated Programme)
Diploma in Pharmaceutical Technology	• KCSE Mean Grade C (plain) with C (Plain) in Biology, Chemistry, Maths/Physics, English/Kiswahili	3 Year (Integrated full time)
SCHOOL OF MATHEMATICS AND ACTUARIAL SCIENCE		
Bachelor of Technology (Applied Statistics)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Maths A	4 years (Integrated programme)
Bachelor of Science (Mathematics)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Maths A and a Pass in any Group II, Group III and Group IV/V OR • Diploma in Technology in Actuarial Science and KCSE Mean Grade C- (Minus)	4 years (Integrated programme)
Diploma in Technology in :- • Applied Statistics • Actuarial Science	• KCSE Mean Grade of C- (Minus) with C- (Minus) in Maths A	3 years (Integrated)
SCHOOL OF PHYSICS AND EARTH SCIENCES		
Bachelor of Technology (Technical and Applied Physics)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Physics and C (plain) in Maths A OR • KCSE Mean Grade C- (Minus) and Diploma in Technology in Technical and Applied Physics or equivalent	4 years (Integrated programme) 3 years (Part time)
Bachelor of Technology (Environmental Science)	• KCSE mean Grade C+ (plus) with C+ (plus) in Biology and Chemistry • KCSE Mean Grade C- (Minus) and Diploma in Technology in Resource Management or equivalent	4 years (Integrated programme) 3 years (Part-time)
Diploma in Technology (Environmental Resource Management)	• KCSE mean Grade C- (minus) with C- (minus) in Biology and Chemistry Or a 1-year Certificate with KCSE D+ in relevant areas from an institution recognised by the Senate of TU-K	3 years (Integrated programme)
Diploma in Technology (Technical and Applied Physics)	• KCSE Mean Grade C- (minus) with C- (minus) in Physics, Maths A and Pass in 2 nd Group II, Group III/ IV/V	3 years (Integrated programme)
FACULTY OF SOCIAL SCIENCES AND TECHNOLOGY		
SCHOOL OF BUSINESS AND MANAGEMENT STUDIES		
Bachelor of Science (Accountancy)	• KCSE Mean Grade C+ (plus) with C+ (Plus) in Maths A and Eng./Kis. And a Pass in Group III, 2 nd Group II/III or Group IV/V OR • Diploma in Accountancy and KCSE Grade C- (Minus)	4 years (Integrated programme) 3 years (Part-time)
Bachelor of Commerce: • Accounting • Business Administration • Finance • Human Resource Management • Insurance • Logistics and Supply Chain Management • Marketing	• KCSE Mean Grade C+ (plus) with C (plain) in Maths A/B.	4 years (Integrated programme)
Bachelor of Business Studies: • Business Administration • Human Resource Management • Logistics and Supply Chain Management • Sales and Marketing Management	• KCSE Mean Grade C- (Minus) and Diploma in Technology in any business area	3 years (Part-time)
Bachelor of Economics	• KCSE Mean Grade C+ (Plus) and C+ (Plus) in Maths A and a Pass in English/Kiswahili, Group III, 2nd Group II/III or Group IV/V	4 years (Integrated programme)
Bachelor of Technology (Business Information Technology)	• KCSE Mean Grade C+ (plus) with C (plain) in Maths A/B OR • Higher/Advanced Diploma in Information Technology or Computer Science OR 3-year Dip. Tech. Business Information Technology (BIT), Diploma in Information Technology, Computer Science OR its equivalent recognised by senate of TU_K together with KCSE Mean Grade C- (Minus)	4 years (Integrated programme) 3 years (Part-time)
Bachelor of Technology (Office Administration and Technology)	• KCSE Mean Grade C+ (plus) with C (plain) in Maths A/B • KCSE Mean Grade C- (Minus) and Diploma in Technology in Secretarial Studies or equivalent	4 years (Integrated programme) 3 years (Part-time)
Diploma in Business Information Technology	• KCSE Mean Grade C- (Minus) with D+ (plus) in Maths A/B OR Certificate in Information Technology together with KCSE D+ (Plus).	3 years (Integrated programme)

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COURSE TITLE	REQUIREMENTS	DURATION	COURSE TITLE	REQUIREMENTS	DURATION
Diploma in Entrepreneurship	• KCSE Mean Grade C- (Minus) with D+ (plus) in Maths A/B OR Certificate in Information Technology together with KCSE D+ (Plus).	3 years (Part-time)	Bachelor of Science in Event and Convention Management	• KCSE Mean Grade C+ (plus) with a pass in English/Kiswahili, Mathematics A/B, Group III, Group II or 2nd Group III or any Group IV V.	4 Years (Integrated)
Diploma in Business Studies: • Business Administration • Human Resource Management • Sales and Marketing Management • Procurement and Supply Chain Management	• KCSE Mean Grade C- (Minus) with D+ (plus) in Maths A/B OR: • 1-year Certificate in a relevant area together with KCSE D+ (Plus)	3 years (Integrated programme)	Bachelor of Technology in Textile Technology	• KCSE Mean Grade C+ (plus) with C+ (plus) in Chemistry, Physics/Maths A, Biology/Home Science, English/Kiswahili or Group IV/V OR • Diploma in Technology in Textile Technology and KCSE Mean Grade C- (Minus) OR • KCSE Mean Grade D+(Plus), Certificate and a Diploma in Technology in Textile Technology	4 Years (Part-time) 3 Years (Part-time)
Diploma in Accountancy	• KCSE Mean Grade C- (minus) with C- (minus) in Maths A and Eng./Kis.	3 years (Part-time)	Bachelor of Technology in Fashion Design NEW!	• KCSE Mean Grade C+ (plus) with C (Plain) in Chemistry and pass in Physics/Maths A, Biology/Home Science, English/Kiswahili or Group IV/V OR • 3-year Diploma in Fashion Design from TUK or Equivalent together with KCSE Mean Grade C- (Minus)	4 Years (Part-time) 3 Years (Part-time)
Diploma in Office Administration: • Legal Secretarial • Medical Secretarial • Business Secretarial • Foreign Language Secretarial	• KCSE Mean Grade C- (Minus) with D+ (plus) in Maths A/B OR: • 1-year Certificate in a relevant area together with KCSE D+ (Plus)	3 years (Part-time)	Bachelor of Science (Counselling Psychology)	• KCSE Mean Grade C+ (Plus) and a Pass in Eng/Kis, Maths A/B or Group II, Group III, 2nd Group II or 2nd Group III or Group IV/V, OR • KCSE Mean Grade C- (Minus) and Diploma in Technology in Counselling Psychology or its equivalent recognised by senate	4 Years (Integrated programme) 3 Years (Part-time)
SCHOOL OF CREATIVE ARTS AND MEDIA					
Bachelor of Technology (Design)	• KCSE Mean Grade C+ (plus) with C (plain) in Maths A and a Pass in Physics, Group III, 2nd Group II or 2nd Group III or Group IV/V • KCSE Mean Grade C- (Minus) and Diploma in Technology in Design or equivalent	4 years (Integrated programme) 3 years (Part-time)	Bachelor of Technology in Journalism and Mass Communication)	• KCSE Mean Grade C+ (plus) with C+ (plus) in Eng./Kis. And a Pass in Maths A/B, or any Group II, Group III, 2nd Group II or 2nd Group III or Group IV/V • KCSE Mean Grade C- (Minus) and Diploma in Technology in Journalism and Mass Communication or its equivalent recognised by senate of TU_K	4 years (Integrated programme) 3 Years (Integrated Programme)
Diploma in Technology in Design	• KCSE mean grade C- (Minus) and D+(plus) in Mathematics and a Pass in Physics OR a relevant certificate in Fine Art or Design, together with Mean Grade D+ (Plus). Art and Design will be an added advantage. Where possible applicants are advised to provide portfolios for verification by the University.	3 years (Part-time)	Diploma in Technology (Journalism and Mass Communication)	• KCSE Mean Grade C- (minus) with C- (minus) in Eng./Kis. And a Pass in Maths A/B, or any Group II, Group III, 2nd Group II or 2nd Group III or Group IV/V • KCSE Mean Grade C+ (plus) with C+ (plus) in Music	3 years (Integrated programme) 4 years (Integrated programme)
Bachelor of Technology (Journalism and Mass Communication)	• KCSE Mean Grade C+ (plus) with C+ (plus) in Eng./Kis. And a Pass in Maths A/B, or any Group II, Group III, 2nd Group II or 2nd Group III or Group IV/V • KCSE Mean Grade C- (Minus) and Diploma in Technology in Journalism and Mass Communication or its equivalent recognised by senate of TU_K	4 years (Integrated programme) 3 years (Part-time)	Diploma in Technology (Journalism and Mass Communication)	• KCSE Mean Grade C- (minus) with C- (minus) in Eng./Kis. And a Pass in Maths A/B, or any Group II, Group III, 2nd Group II or 2nd Group III or Group IV/V • KCSE Mean Grade C+ (plus) with C+ (plus) in Music	3 years (Integrated programme) 4 years (Integrated programme)
Diploma in Technology (Journalism and Mass Communication)	• KCSE Mean Grade C- (minus) with C- (minus) in Eng./Kis. And a Pass in Maths A/B, or any Group II, Group III, 2nd Group II or 2nd Group III or Group IV/V	3 years (Integrated programme)	Bachelor of Music	• KCSE Mean Grade C- (Minus) and Diploma in Technology in Music or equivalent	3 years (Integrated programme)
Bachelor of Music	• KCSE Mean Grade C+ (plus) with C+ (plus) in Music	4 years (Integrated programme)	Diploma in Music	• KCSE C- (minus) with C- (Minus) in Music and a Pass in Eng./Kis. Maths A/B or any Group II or Group III, 2nd Group II or 2nd Group III of Group IV or Group V. OR • Grade 5 theory and/or practical of ABRSM, LCM or equivalent body together with KCSE D+ (Plus). Involvement in Music Festivals, Church Music/Gospel Music performance will be an added advantage.	3 years (Integrated programme)
Diploma in Music	• KCSE C- (minus) with C- (Minus) in Music and a Pass in Eng./Kis. Maths A/B or any Group II or Group III, 2nd Group II or 2nd Group III of Group IV or Group V. OR • Grade 5 theory and/or practical of ABRSM, LCM or equivalent body together with KCSE D+ (Plus). Involvement in Music Festivals, Church Music/Gospel Music performance will be an added advantage.	3 years (Integrated programme)	Bachelor of Technology (Printing Technology)	• KCSE Mean Grade C+ (plus) with C (plain) in Maths A/B, Physics, English/Kiswahili, Any Group III/IV/V OR • Diploma in Technology in Printing Technology and KCSE Mean Grade C- (Minus)	4 years (Integrated programme) 3 years (Part-time)
Bachelor of Technology (Printing Technology)	• KCSE Mean Grade C+ (plus) with C (plain) in Maths A/B, Physics, English/Kiswahili, Any Group III/IV/V OR • Diploma in Technology in Printing Technology and KCSE Mean Grade C- (Minus)	4 years (Integrated programme) 3 years (Part-time)	Bachelor of Philosophy in Technology (Printing)	• KCSE Mean Grade C- (Minus) and Higher Diploma in Printing Technology or its equivalent recognised by senate of TU-K	2½ years (Part-time)
Bachelor of Philosophy in Technology (Printing)	• KCSE Mean Grade C- (Minus) and Higher Diploma in Printing Technology or its equivalent recognised by senate of TU-K	2½ years (Part-time)	Diploma in Technology (Printing)	• K.C.S.E Mean Grade C- with C- (Minus) in English/Kiswahili or Certificate in Machine Printing, Print Finishing, Print Origination together with KCSE D+ (Plus)	3 years (Integrated programme)
Diploma in Technology (Printing)	• K.C.S.E Mean Grade C- with C- (Minus) in English/Kiswahili or Certificate in Machine Printing, Print Finishing, Print Origination together with KCSE D+ (Plus)	3 years (Integrated programme)	SCHOOL OF HOSPITALITY AND HUMAN ECOLOGY		
Bachelor of Science in Tourism and Travel Management	• KCSE Mean Grade C+ (plus) with C (plain) in Maths A/B, physics, English/Kiswahili, Any Group II or Group III, a 2nd Group II/III or any Group IV or Group V	4 Years (Integrated Program)	Bachelor of Technology in Tourism and Travel Management	• KCSE Mean Grade C+ (plus) with C (plain) in Maths A/B, physics, English/Kiswahili, Any Group II or Group III, a 2nd Group II/III or any Group IV or Group V OR • 3-year Diploma in Technology in Tourism and Travel Management from TUK or Equivalent qualification from another institution recognized by the Senate together with KCSE Mean Grade C- (Minus) OR • KCSE Mean Grade D+ (Plus), a Certificate and Diploma in Tourism and Travel Management or equivalent	4 Years (Integrated Program) 3 years (Part time)
Bachelor of Technology in Tourism and Travel Management	• KCSE Mean Grade C+ (plus) with C (plain) in Maths A/B, physics, English/Kiswahili, Any Group II or Group III, a 2nd Group II/III or any Group IV or Group V OR • 3-year Diploma in Technology in Tourism and Travel Management from TUK or Equivalent qualification from another institution recognized by the Senate together with KCSE Mean Grade C- (Minus) OR • KCSE Mean Grade D+ (Plus), a Certificate and Diploma in Tourism and Travel Management or equivalent	4 Years (Integrated Program) 3 years (Part time)	Bachelor of Science in Hospitality Management	• KCSE Mean Grade C+ (plus) with C (plain) in Maths A/B. A pass in English/Kiswahili, Group II or 2nd Group III or Group IV or Group V	4 Years (Integrated Program)
Bachelor of Science in Hospitality Management	• KCSE Mean Grade C+ (plus) with C (plain) in Maths A/B. A pass in English/Kiswahili, Group II or 2nd Group III or Group IV or Group V	4 Years (Integrated Program)	Bachelor of Technology in Hotel and Restaurant Management	• KCSE Mean Grade C+ (plus) with C (plain) in Maths A/B. A pass in English/Kiswahili, Group II or 2nd Group III or Group IV or Group V OR • KCSE Mean Grade C- (Minus) and Diploma in Technology (Dip-Tech) in Hotel and Restaurant Management or equivalent OR • KCSE Mean Grade D+ (Plus), Certificate and a Diploma in Hotel and Restaurant Management or equivalent	4 Years (Integrated Program) 3 years (Part time)
Bachelor of Technology in Hotel and Restaurant Management	• KCSE Mean Grade C+ (plus) with C (plain) in Maths A/B. A pass in English/Kiswahili, Group II or 2nd Group III or Group IV or Group V OR • KCSE Mean Grade C- (Minus) and Diploma in Technology (Dip-Tech) in Hotel and Restaurant Management or equivalent OR • KCSE Mean Grade D+ (Plus), Certificate and a Diploma in Hotel and Restaurant Management or equivalent	4 Years (Integrated Program) 3 years (Part time)	Bachelor of Technology in Institutional Catering and Accommodation Management	• KCSE Mean Grade C+ (plus) with C (plain) in Maths A/B and a pass in English/Kiswahili, Group II or Group III, 2nd Group II or 2nd Group III or Group IV or Group V OR • KCSE Mean Grade C- (Minus) and Diploma in Technology (Dip-Tech) in Institutional Catering and Accommodation Management or equivalent OR • KCSE Mean Grade D+ (Plus), a Certificate and Diploma in Institutional Catering and Accommodation Management or equivalent	4 Years (Integrated Program) 3 years (Part time)
Bachelor of Technology in Institutional Catering and Accommodation Management	• KCSE Mean Grade C+ (plus) with C (plain) in Maths A/B and a pass in English/Kiswahili, Group II or Group III, 2nd Group II or 2nd Group III or Group IV or Group V OR • KCSE Mean Grade C- (Minus) and Diploma in Technology (Dip-Tech) in Institutional Catering and Accommodation Management or equivalent OR • KCSE Mean Grade D+ (Plus), a Certificate and Diploma in Institutional Catering and Accommodation Management or equivalent	4 Years (Integrated Program) 3 years (Part time)	SCHOOL OF INFORMATION AND SOCIAL STUDIES		
Bachelor of Science in Information Science)	• KCSE Mean Grade C+ (plus) with C (plain) in Maths A/B and a Pass in Eng./Kis., Group II/III and 2nd Group II/III or Group IV or Group V.	4 years (Integrated programme)	Bachelor of Technology (Information Studies)	• KCSE Mean Grade C- (Minus) and Diploma in Technology in Library Information Technology, Archives and Records Management, Information Science or equivalent	3 years (Part-time)
Bachelor of Technology (Information Studies)	• KCSE Mean Grade C- (Minus) and Diploma in Technology in Library Information Technology, Archives and Records Management, Information Science or equivalent	3 years (Part-time)	Diploma in Technology in: • Archives and Records Management • Library and Information Technology	• KCSE Mean Grade C- (minus) with D+ (plus) in Maths A/B and a Pass in Eng./Kis., Group II/III and 2nd Group II/III or Group IV or Group V OR • Relevant certificate together with KCSE D+ (Plus).	3 years (Integrated programme)
Diploma in Technology in: • Archives and Records Management • Library and Information Technology	• KCSE Mean Grade C- (minus) with D+ (plus) in Maths A/B and a Pass in Eng./Kis., Group II/III and 2nd Group II/III or Group IV or Group V OR • Relevant certificate together with KCSE D+ (Plus).	3 years (Integrated programme)	Bachelor of Arts (International Relations and Diplomacy)	• KCSE Mean Grade C+ (plus) with C+ (plus) in Eng./Kis. and a Pass in Math A/B or Group II, Group III, 2nd Group II/III or Group IV/V • KCSE Mean Grade C- (Minus) and Diploma in International Relations and Diplomacy or equivalent	4 years (Integrated programme) 3 years (Part-time)
Bachelor of Arts (International Relations and Diplomacy)	• KCSE Mean Grade C+ (plus) with C+ (plus) in Eng./Kis. and a Pass in Math A/B or Group II, Group III, 2nd Group II/III or Group IV/V • KCSE Mean Grade C- (Minus) and Diploma in International Relations and Diplomacy or equivalent	4 years (Integrated programme) 3 years (Part-time)	Diploma in International Relations and Diplomacy	• KCSE Mean Grade C- (Minus) with C- (Minus) in English/Kiswahili a Pass in Math A/B or Group II, Group III, 2nd Group II/III or Group IV/V	3 years (Integrated Programmes)
Diploma in International Relations and Diplomacy	• KCSE Mean Grade C- (Minus) with C- (Minus) in English/Kiswahili a Pass in Math A/B or Group II, Group III, 2nd Group II/III or Group IV/V	3 years (Integrated Programmes)	Diploma in Disaster Management	• KCSE Mean Grade C- (Minus) with C- (Minus) in English/Kiswahili a Pass in Math A/B or Group II, Group III, 2nd Group II/III or Group IV/V	3 years (Part-time)
Diploma in Disaster Management	• KCSE Mean Grade C- (Minus) with C- (Minus) in English/Kiswahili a Pass in Math A/B or Group II, Group III, 2nd Group II/III or Group IV/V	3 years (Part-time)	Diploma in Criminology and Security Studies	• KCSE Mean Grade C- (minus) a Pass in Eng./Kis., Math A/B or Group II, Group III, 2nd Group II/III or Group IV/V	3 years (Part-time)
Diploma in Criminology and Security Studies	• KCSE Mean Grade C- (minus) a Pass in Eng./Kis., Math A/B or Group II, Group III, 2nd Group II/III or Group IV/V	3 years (Part-time)	Integrated programmes will be taught during the day on weekdays together with Government-sponsored students Part-time programmes will be taught in the evenings and on weekends		
Integrated programmes will be taught during the day on weekdays together with Government-sponsored students Part-time programmes will be taught in the evenings and on weekends					

COURSE TITLE	REQUIREMENTS	DURATION
Bachelor of Arts (Criminology and Security Management)	<ul style="list-style-type: none"> KCSE Mean Grade C+ (Plus) with a Pass in Eng./ Kis., Math A/B or Group II, Group III, 2nd Group IV/III or Group IV/V, OR KCSE Mean Grade C- (Minus) and Diploma in Criminology or equivalent 	4 years (Part-time) 3 years (Part-time)
Diploma in Legal Studies	<ul style="list-style-type: none"> KCSE Mean Grade C (plain) with C+(plus) in English/Kiswahili OR KCSE Mean Grade C- (minus) and C (plain) in English/Kiswahili together with Certificate in Criminology, Criminal Investigations, Disaster Management, Criminal Justice or Crime Prevention or equivalent 	3 years (Part-time)

*Integrated programmes will be taught during the day on weekdays together with Government-sponsored students
Part-time programmes will be taught in the evenings and on weekends*

ONLINE APPLICATION PROCEDURE:

1. [Create an Account](#) with us or [sign in](#) if the account is already created;
2. Enter your personal details to obtain a **REFERENCE NUMBER** which is in the form of **APP/xxxxx/2021**;
3. Enter your academic qualifications and upload scanned copies of the corresponding certificates or result slips. Please note that result slips for examinations taken more than two years ago will not be accepted;
4. Pay the application fee of KES 2,000 for Diploma/undergraduate programmes, KES 3,000 for postgraduate programmes and KES 3,600 for foreign applicants. These payments should be made through **MPESA Paybill number 5236153** and account number should be your application **REFERENCE NUMBER** obtained in 2. above. The payment will be confirmed automatically after 24 banking hours;
5. After the elapse of 24 banking hours, return to this portal, log in and choose your preferred programme of study; thereafter,
6. **SUBMIT** your programme of choice and wait for the selection process to be concluded. Meanwhile, you are advised to frequently log in, using your account details, to establish the status of your application.

Please note that applications should be submitted **NOT later than 30th July, 2021**. However, you are advised to frequently visit our website for extended deadlines, if any. Also note that the 2021/2022 Academic Year commences on **4th October, 2021**.

Enquiries or clarification on the application for the programmes above may be made through the dedicated Admissions Office telephone number +254 20 2216136.

Haile Selassie Avenue • P. O. Box 52428 – 00200, City Square, Nairobi • Tel. +254 20 2219929, 3341639 (General enquiries) • Fax: +254 (020) 2219689 • E-mail: registrar.academic@tukenya.ac.ke



TU-K women hockey team receive trophy after beating JKUAT's 'wild-cats' 2-0 in the finals.



THE TECHNICAL UNIVERSITY OF KENYA

SCHOOL OF GRADUATE AND ADVANCED STUDIES

POSTGRADUATE DEGREE PROGRAMMES STARTING OCTOBER 2021

THE Technical University of Kenya (TU-K) is one of the special public universities in Kenya providing technical education and training. At the same time, it engages in research and innovation that is focused on application of technological knowledge and skills in finding solutions to societal problems. The University invites applications from suitable and qualified persons to enrol for the following postgraduate programmes:

PROGRAMME	ELIGIBILITY	DURATION
SCHOOL OF MATHEMATICS AND ACTUARIAL SCIENCE		
Master of Science in Applied Statistics	<ul style="list-style-type: none"> A holder of at least a Second Class Honours (Upper Division), Bachelor's degree in Statistics of TU-K; or equivalent from another university recognized by the Senate OR A holder of a Second Class Honours (Lower Division) Bachelor's degree in Statistics of TU-K; or equivalent from another university recognized by Senate with either at least two (2) years of relevant experience or a postgraduate diploma/certificate in Statistics and one (1) year of relevant work experience. 	2 years
Master of Science in Mathematics (Pure or Applied Mathematics)	<ul style="list-style-type: none"> A holder of at least a Second Class Honours (Upper Division), Bachelor's degree in Mathematics of TU-K; or its equivalent from a university recognised by the Senate of TU-K, OR A holder of a Second Class Honours (Lower Division) Bachelor's degree in Mathematics of TU-K, or equivalent from another university recognized by Senate with either at least two (2) years of relevant experience or a postgraduate diploma/certificate in Statistics and one (1) year of relevant work experience. 	2 years
SCHOOL OF BIOLOGICAL AND LIFE SCIENCES		
Master of Technology in Applied Entomology	<ul style="list-style-type: none"> At least a Second Class Honours (Upper Division) degree of TU-K in the relevant field or equivalent from a university recognised by the Senate of TU-K OR At least a Second Class Honours (Lower Division) degree of TU-K or equivalent from a university recognised by the Senate of TU-K; with either at least two (2) years of relevant experience OR relevant Postgraduate Diploma 	2 years
Master of Technology in Applied Parasitology	<ul style="list-style-type: none"> At least a Second Class Honours (Upper Division) degree in Biological or related field of TU-K or its equivalent from a university recognised by the Senate of TU-K OR 	2 years
Master of Science in Forensic Biochemistry	<ul style="list-style-type: none"> Second Class Honours (Lower Division) degree in Biological or related field or its equivalent from a university recognised by the Senate of TU-K with either two (2) years relevant work experience OR a postgraduate diploma in relevant field of biology. 	2 years
Master of Science in Applied Parasitology	<ul style="list-style-type: none"> Second Class Honours (Lower Division) degree in Biological or related field or its equivalent from a university recognised by the Senate of TU-K with either two (2) years relevant work experience OR a postgraduate diploma in relevant field of biology. 	2 years
SCHOOL OF HEALTH AND BIOMEDICAL SCIENCES		
PhD In Biomedical Science: Options in <ul style="list-style-type: none"> Medical microbiology Medical Immunology Medical Parasitology Clinical Haematology & Blood Transfusion Science Clinical Chemistry Clinical Histocytology Medical Virology 	<ul style="list-style-type: none"> A holder of Bachelor's degree in relevant field A holder of a Master's degree in the relevant field 	6 semesters
Master of Science in Community Nutrition	<ul style="list-style-type: none"> At least a Second Class Honours (Upper Division) degree of TU-K in the relevant field or equivalent from a university recognised by the Senate of TU-K OR At least a Second Class Honours (Lower Division) degree of TU-K or equivalent from a university recognised by the Senate of TU-K; with either at least two (2) years of relevant experience OR relevant Postgraduate Diploma 	2 years
Master of Science in Medical Laboratory Science	<ul style="list-style-type: none"> At least a Second Class Honours (Upper Division) degree of TU-K in the relevant field or equivalent from a university recognised by the Senate of TU-K OR 	2 years
Master of Public Health	<ul style="list-style-type: none"> At least a Second Class Honours (Lower Division) degree of TU-K or equivalent from a university recognised by the Senate of TU-K; with either at least two (2) years of relevant experience OR relevant Postgraduate Diploma 	2 years
SCHOOL OF PHYSICS AND EARTH SCIENCES		
Doctor of Philosophy (Physics)	A holder of a Master's degree in any relevant field of Physics	3 Years
Masters of Technology in Environmental Resources Management	<ul style="list-style-type: none"> Second Class Honours (Upper Division) Bachelor of Technology degree, Bachelor of Science in the fields of the Environmental Resource Management/ Agriculture or any other related field of study approved by the University senate. 	2YRS Fee: 75,000/= Per semester
Master of Science (Physics)	<ul style="list-style-type: none"> At least a second class Honours (Upper Division) degree of TU-K in the relevant field or equivalent from a university recognized by the senate of TU-K OR 	2 years
Master of Science (Medical Physics)	<ul style="list-style-type: none"> At least a Second Class Honours (Lower Division) degree of TU-K or equivalent from a university recognized by the senate of TU-K; with either at least two (2) years of relevant experience OR relevant Postgraduate Diploma. 	2 years

PROGRAMME	ELIGIBILITY	DURATION
SCHOOL OF CHEMISTRY AND MATERIAL SCIENCE		
Doctor of Philosophy (Chemistry)	A holder of a Master's degree in any relevant field of Chemistry	3 Years
Masters of Technology in Petroleum Chemistry	<ul style="list-style-type: none"> At least a second class Honours (Upper Division) degree of TU-K in the relevant field or equivalent from a university recognized by the senate of TU-K OR At least a Second Class Honours (Lower Division) degree of TU-K or equivalent from a university recognized by the senate of TU-K; with either at least two (2) years of relevant experience OR relevant Postgraduate Diploma. 	2YRS
Master of Science in Computational Chemistry	<ul style="list-style-type: none"> At least a second class Honours (Upper Division) degree of TU-K in the relevant field or equivalent from a university recognized by the senate of TU-K OR At least a Second Class Honours (Lower Division) degree of TU-K or equivalent from a university recognized by the senate of TU-K; with either at least two (2) years of relevant experience OR relevant Postgraduate Diploma. 	2YRS
SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGIES		
Master of Technology in Computer Technology	<ul style="list-style-type: none"> At least a Second Class Honours (Upper Division) degree of TU-K in the relevant field or equivalent from a university recognised by the Senate of TU-K OR 	2 years
Master of Technology in Communication and Computer Networks	<ul style="list-style-type: none"> At least a Second Class Honours (Lower Division) degree of TU-K or equivalent from a university recognised by the Senate of TU-K; with either at least two (2) years of relevant experience OR relevant Postgraduate Diploma 	2 years
SCHOOL OF CONSTRUCTION AND PROPERTY STUDIES		
Doctor of Philosophy in Construction Project Management	<ul style="list-style-type: none"> A holder of a Master's degree in Construction Project Management or related area, from TU-K or any other institution accepted and recognised by Senate, or A holder of a relevant Master's degree of Technical University of Kenya or of any other institution recognised by Senate A holder of a relevant Bachelor's degree of TU-K or from any other university recognised by the Senate of TU-K 	3 years
Master of Construction Project Management	<ul style="list-style-type: none"> At least a Second Class Honours (Upper Division) Bachelor's degree of TU-K in the relevant field, or equivalent from a university recognised by the Senate of TU-K OR A holder of a Second Class Honours (Lower Division) Bachelor's degree of TU-K in the relevant field, or equivalent from another university recognized by the Senate of TU-K with either at least two (2) years of relevant experience OR a relevant postgraduate diploma/certificate and one (1) year of relevant work experience. 	2 years
SCHOOL OF MECHANICAL AND MANUFACTURING ENGINEERING		
Master of Technology (Mechanical Engineering)	<ul style="list-style-type: none"> At least a Second Class Honours (Upper Division) degree or its equivalent from a university recognised by the Senate of TU-K OR Second Class Honours (Lower Division) degree or its equivalent in the relevant discipline with a Postgraduate diploma/certificate and 1 year of relevant work experience in the following areas: - i. Bachelor of Technology in Mechanical Engineering Technology ii. Bachelor of Philosophy in Mechanical Engineering Technology iii. BSc/B.Eng in Mechanical Engineering or its equivalent 	2 years
SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING		
Doctor of Philosophy in Electrical and Electronic Engineering (By Research)	<ul style="list-style-type: none"> A holder of a Master's degree in the relevant field from Technical university of Kenya, or A holder of a relevant Master's degree from another institution recognised by the Senate of TU-K A Bachelor's degree 	3 years
Master of Science in Electrical and Electronic Engineering	<ul style="list-style-type: none"> At least a Second Class Honours (Upper Division) degree of TU-K in the relevant field or equivalent from a university recognised by the Senate of TU-K OR A holder of a Second Class Honours (Lower Division) Bachelor's degree of TU-K in the relevant field, or equivalent from another university recognized by Senate with either at least two (2) years of relevant experience OR a relevant postgraduate diploma/certificate and one (1) year of relevant work experience. 	2 years
SCHOOL OF BUSINESS AND MANAGEMENT STUDIES		
Doctor of Philosophy in Business Administration	A holder of a Master's degree of TU-K in the relevant field, or a relevant Master's degree from another institution recognized by Senate of TU-K	2 years

PROGRAMME	ELIGIBILITY	DURATION
Master of Arts in Entrepreneurship Master of Business Administration: • Accounting • Business Administration • Finance • Human Resource Management • Insurance • Logistics and Supply Chain Management • Marketing • Strategic Management	• At least a <i>Second Class Honours (Upper Division) degree of TU-K in the relevant field or equivalent from a university recognised by the Senate of TU-K OR</i> • A holder of a <i>Second Class Honours (Lower Division) Bachelor's degree of TU-K in the relevant field, or equivalent from another university recognized by Senate with either at least two (2) years of relevant experience OR a relevant postgraduate diploma/certificate and one (1) year of relevant work experience.</i>	2 years
SCHOOL OF INFORMATION AND SOCIAL STUDIES		
Doctor of Philosophy in Information and Knowledge Management Doctor of Philosophy in Applied Linguistics	• A holder of a <i>Master's Degree of Technical University of Kenya in the relevant field; OR</i> • A holder of a <i>relevant Master's Degree from another institution recognised by the Senate of TU-K, shown exceptional progress in the research work to merit upgrading.</i>	3 years
Master of Applied Linguistics Master of Science in Information and Knowledge Management	• At least a <i>Second Class Honours (Upper Division) degree of TU-K in the relevant field or equivalent from a university recognised by the Senate of TU-K OR</i> • A holder of a <i>Second Class Honours (Lower Division) Bachelor's degree of TU-K in the relevant field, or equivalent from another university recognized by Senate with either at least two (2) years of relevant experience OR a relevant postgraduate diploma/certificate and one (1) year of relevant work experience.</i>	2 years
Master of Science in International Relations	• At least a <i>Second Class Honours (Upper Division) degree of TU-K in the relevant field or equivalent from a university recognised by the Senate of TU-K OR</i> • A holder of a <i>Second Class Honours (Lower Division) Bachelor's degree of TU-K in the relevant field, or equivalent from another university recognized by Senate with either at least two (2) years of relevant experience OR a relevant postgraduate diploma/certificate and one (1) year of relevant work experience.</i>	2 years
CENTRE FOR SCIENCE AND TECHNOLOGY (CSTS)		
Postgraduate Certificate in Research Methods	• A holder of at least a <i>first degree of the Technical University of Kenya (TU-K) or equivalent from another recognized university or institution, or any other qualifications recognized by Senate.</i>	3 months
SCHOOL OF CREATIVE ARTS AND MEDIA		
Master of Music in Music Education or African Music Studies Master of Musical Arts in Composition or Performance	• At least a <i>Second Class Honours (Upper Division) degree of TU-K in the relevant field or equivalent from a university recognised by the Senate of TU-K OR</i> • A holder of a <i>Second Class Honours (Lower Division) Bachelor's degree of TU-K in the relevant field, or equivalent from another university recognized by Senate with either at least two (2) years of relevant experience OR a relevant postgraduate diploma/certificate and one (1) year of relevant work experience.</i>	2 years 2 years

PROGRAMME	ELIGIBILITY	DURATION
SCHOOL OF HOSPITALITY AND HUMAN ECOLOGY		
Master of Science in Hospitality Management NEW!	• A <i>minimum Second Class Honours (Upper Division) bachelor's degree from an institution recognized by Senate</i> OR • <i>Second Class Honours (Lower Division) bachelor's degree in the relevant disciplines with a Postgraduate certificate and 1 year of relevant work experience or at least 2 years of relevant work experience</i>	Minimum 2 Years (Full Time) Maximum 4 Years
Master of Science in Tourism Management NEW!	• A <i>minimum Second Class Honours (Upper Division) bachelor's degree from an institution recognized by Senate</i> OR • <i>Second Class Honours (Lower Division) bachelor's degree in the relevant disciplines with a Postgraduate certificate and 1 year of relevant work experience or at least 2 years of relevant work experience</i>	Minimum 2 Years (Full Time) Maximum 4 Years
Master of Science in Event Management NEW!	• A <i>minimum Second Class Honours (Upper Division) bachelor's degree from an institution recognized by Senate</i> OR • <i>Second Class Honours (Lower Division) bachelor's degree in the relevant disciplines with a Postgraduate certificate and 1 year of relevant work experience or at least 2 years of relevant work experience</i>	Minimum 2 Years (Full Time) Maximum 4 Years

ONLINE APPLICATION PROCEDURE:

1. [Create an Account](#) with us or [sign in](#) if the account is already created;
2. Enter your personal details to obtain a **REFERENCE NUMBER** which is in the form of **APP/xxxxx/2021**;
3. Enter your academic qualifications and upload scanned copies of the corresponding certificates or result slips. Please note that result slips for examinations taken more than two years ago will not be accepted;
4. Pay the application fee of KES 2,000 for Diploma/undergraduate programmes, KES 3,000 for postgraduate programmes and KES 3,600 for foreign applicants. These payments should be made through **MPESA Paybill number 5236153** and account number should be your application **REFERENCE NUMBER** obtained in 2. above. The payment will be confirmed automatically after 24 banking hours;
5. After the elapse of 24 banking hours, return to this portal, log in and choose your preferred programme of study; thereafter,
6. **SUBMIT** your programme of choice and wait for the selection process to be concluded. Meanwhile, you are advised to frequently log in, using your account details, to establish the status of your application.

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The Director, School of Graduate and Advanced Studies | The Technical University of Kenya | P. O. Box 52428
- 00200, NAIROBI | Tel. +254 20 2219929, 3341639 • Fax: +254 (020) 2219689



The 2nd cohort of 13 students from TU-K to France to work as teaching assistants. This is under a collaborative program between French Ministry of Education, French Embassy and Kenyan universities under the Ministry of Higher Education. The program also presents the students an opportunity to learn the French culture and network with other professionals abroad. Three of our students are still in France under the same program. Félicitations à nos étudiants (congratulation to our students)



THE TECHNICAL UNIVERSITY OF KENYA *Education and Training for the Real World*

CONTACTS

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