



Friday, 16th December, 2016 from 9.00am at the Main Campus Graduation Gardens

& Launch of ISO 9001:2015



Our Vision

A World Class University of Excellence in Science, Technology and Innovation.

Our Mission

To provide Quality University Education, Training and Research in Science, Technology and Innovation.

Core Values

- Competitiveness
- Innovation
- Integrity
- Professionalism
- Quality

eru University of Science and Technology (MUST) was established as a full-fledged University following the Award of Charter on 1st March, 2013. Subsequently, Dr. James N. Mwangi, CBS was appointed the first Chancellor.

The idea of establishing a University dates back many years to the early 1960s when the Njuri Ncheke (Council of elders of the Meru people) conceived an idea of establishing an institution of higher education in Meru. It was in the mid-1960s soon after Kenya's Independence that the elders initiated the process of establishing the institution. The idea was first floated to the government at a time when it was interested in training the youth of the nation in order to equip them with skills in various technical fields to enable them work in the upcoming industries and other sectors that required qualified manpower and also to meet local and national economic developmental needs. Meru College of Technology (MECOTECH) was therefore one of several institutions suggested by the Government.

In 2008, the Government of Kenya converted Meru College of Technology (MECOTECH) into a University and named it Meru University College of Science and Technology (MUCST). It was established through Legal Notice No. 103 of 18th July 2008 as a constituent college of Jomo Kenyatta University of Agriculture and Technology (JKUAT). MUST Main Campus is situated 15km from Meru town off the Meru-Maua road. The University has also opened a campus in Meru Town at the Hart Towers and a learning centre at Marimba.

Since its inception, Meru University of Science and Technology has continued to play a leading role in the development and expansion of opportunities for higher education and research. This indeed is the culmination of a process that has seen the University achieve tremendous growth in curriculum development, staff capacity development, student enrolment, infrastructure development as well as research and collaborations.

In pursuit of our mission to provide Quality University education, training and research in Science, Technology and Innovation, the University has successfully implemented the Quality Management System and is the first University in Kenya to be awarded ISO 9001:2015 Certification by Kenya Bureau of Standards.



Editorial Team

- Ms. Sarah Gatwiri
- Mr. Antony Kinoti
- Ms. Mildred Mwendwa
- Mr. Muriki Ruthiru
- Mr. Francis Njiru

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MESSAGE FROM THE CABINET SECRETARY



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My ministry is re-energized and steadfast in working with stakeholders towards supporting the provision of quality University education.

Dr. Fred O. Matiang'i, Ph.D, EGH Cabinet Secretary

am pleased to witness yet another great milestone in the growth of Meru University of Science and Technology (MUST). It is indeed a happy moment as we celebrate the 4th Graduation Ceremony and share in the achievement of the Class of 2016.

Dear Graduands, this day is as a result of your hard work and resolve to excel academically. I thank the faculty, management, your parents and guardians for the support they have accorded you towards the realisation of this great day

I am glad to note that Meru University of Science and Technology is the first University in Kenya to attain ISO 9001:2015 certification. This is a seal of good quality and recognition of the University's commitment to excellence in the provision of training, research and innovation. I wish to congratulate the University Council, Management and staff for this achievement because it is a sign of continuous improvement and quality.

As evidently seen in the past, my ministry is re-energized and steadfast in working with stakeholders towards supporting the provision of quality University education. I am pleased that the Meru University of Science and Technology Council has applied the available resources prudently. It is through such efforts, ways of thought and professionalism that we have witnessed the growth of this institution.

MESSAGE FROM THE PRINCIPAL SECRETARY

STATE DEPARTMENT OF UNIVERSITY EDUCATION



Prof. Collete A. Suda, Ph.D, FKNAS, CBS Principal Secretary

take this opportunity to congratulate the Class of 2016 during this momentous occasion as you graduate with degrees and certificates in various specialities. The Ministry is confident that the training you have received has empowered and positioned you to confidently take up the duty of contributing to the social and economic development of the nation at large and globally.

Under the guidance and facilitation of the Ministry of Education, Meru University of Science and Technology (MUST) has continued to deliver on its mandate by graduating competent and able contributors to the economy. I note the prudent management of the University's resources through the stewardship of the University Council.



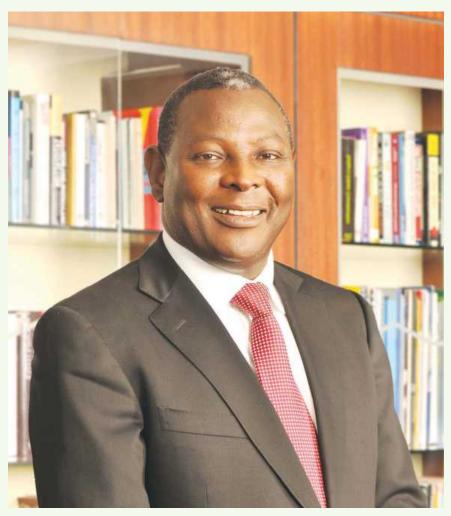
As a Ministry, we are proud to be stakeholders and partners with MUST in advancing education and research as critical elements of socio-economic development.

As an institution anchored on offering technology and scientific training, MUST continues to play a pivotal role in bridging the gap in the availability of highly skilled human resources in the engineering and technological facets of the economy.

As a Ministry, we are proud to be stakeholders and partners with MUST in advancing education and research as critical elements of socio-economic development. The success of MUST is a classic evidence of the importance the government lays on education. The state has been keen particularly on enhanced access to affordable and quality education. Towards this end, the government undertakes to ensure that professionalism and quality are adhered to.

Once again, let me extend my warm congratulations to the Class of 2016.

MESSAGE FROM THE CHANCELLOR



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I wish to congratulate the management team for being the first University in Kenya to transit to ISO 9001:2015. Bravo!

Dr. James Mwangi, CBS Chancellor, Meru University of Science & Technology

t is gratifying for me to share in the Joy of Conferment of Degrees and Award of Diplomas and Certificates to the Meru University of Science and Technology (MUST) graduating class of 2016. I thank your parents, guardians, University administration, faculty and the entire community of MUST for their dedication and effort that has seen you attain academic excellence.

I thank the Ministry of Education for the unwavering and continued support which has seen MUST achieve tremendous growth in terms of infrastructure development and capacity building.

Meru University of Science and Technology has continued to design and deliver its teaching and research undertakings with the considerations of the realities of the 21st century. To this end, we have focused on training and teaching that is in line with the achievement of the indicators of national and international development agenda such as the Sustainable Development Goals (SDGs) and the Kenya Vision 2030 blueprints.

This serves to align our programmes with the realization of the national goals and targets of development.

I congratulate the management team for being the first University in Kenya to transit to ISO 9001:2015. Bravo!

Once more, congratulations to the Class of 2016, we share and celebrate your achievement. You can now venture out and ably make your dreams come true.

MESSAGE FROM THE CHAIRMAN OF COUNCIL

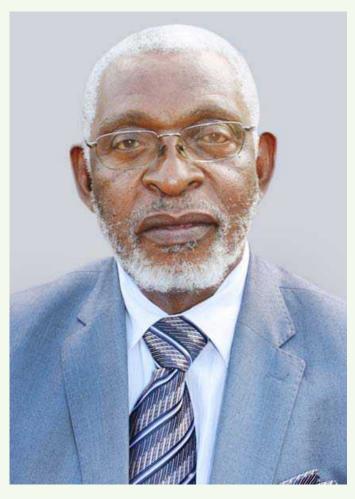
am happy to be here today as we celebrate the accomplishments of our graduands which constitute a significant achievement. A graduation ceremony is a time for both celebration and reflection. I hope that all the graduands will consider this day as just a step towards greater success in the future. On behalf of the Meru University of Science and Technology Council, accept my Congratulations.

Graduation is the most significant event in a University calendar, marking the successful completion of an academic programme. It symbolizes the transformation of an individual from young students into dynamic persons, equipped with the necessary knowledge and innovative skills, ready to take up opportunities and become transformational leaders of our world today. I want to assure our graduands that they have been equipped to take up this role and much more.

As we approach the end of year 2016, I wish to assure Meru University of Science and Technology community and stakeholders that the University is still on course to achieve the vision set out under the current management. The University has diligently continued to discharge its mandate of teaching, research, nurturing innovation and consultancy services to the community.

As we celebrate today, I thank the University Council and management for transiting to the ISO 9001:2015 Standard.

To the graduands, I challenge you to make the University proud through your contributions by being disciplined, hardworking, committed and ethical. In all that you do remain true to the values cherished at Meru University of Science and Technology (MUST). I wish you the best in all your future endeavours.



Prof. Justin Irina, Ph.D, EBS Chairman of Council

The University has diligently continued to discharge its mandate of teaching, research, nurturing innovation and consultancy services to the community.

MESSAGE FROM THE VICE-CHANCELLOR



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I thank the University Council, Management, Staff and students for their support and dedication towards the achievement of this great milestone.

Prof. Japhet K. Magambo, Ph.D Vice-Chancellor

s the Chairman of the University Senate, which is the body empowered by the Universities Act and Statutes over the design and delivery, assessment and quality assurance of academic programmes, I congratulate all our graduates. I also congratulate each and every member of our academic staff. You worked so diligently with these graduates. You ensured that they are ready to take their rightful places in the world. You provided the knowledge and the skills that empower them to play their part in creating a better future, not only for themselves and their families, but for their communities, their country, and the world at large. Congratulations to you all! Congratulations are also due to the parents/ guardians, family members and spouses who sacrificed so much to give these graduates one of life's greatest gifts; University education.

I wish to notify our stakeholders that Meru University of Science and Technology is the first University to be ISO 9001:2015 certified. I thank the University Council, Management, Staff and students for their support and dedication towards the achievement of this great milestone.

To the class of 2016, you are our pride and ambassadors by the virtue of being products of this University. We are confident of your potentials and abilities since the University has always designed and delivered its academic programmes to match the demands and realities of the modern society.

To the parents and guardians, we join and share in the achievement of the Class of 2016. Dear graduates, once more, this is your day. We celebrate you.

UNIVERSITY COUNCIL



Prof. Justin Irina, Ph.D, EBS Chairman of Council



Bishop (Dr.) Lawi Imathiu Council Member



Prof. Galcano C. Mulaku, PhD Council Member



Ms. Caroline Kiragu Council Member



Ms. Vayonda J. Sirma- Koross Council Member



Dr. Meshack Opwora Rep. MoE



Mr. Kenneth Odhiambo Rep. National Treasury



Prof. Japhet K. Magambo, Ph.D Vice-Chancellor

UNIVERSITY MANAGEMENT



Prof. Japhet K. Magambo, Ph.D Vice-Chancellor



Prof. Gitonga N. Mburugu, Ph.D Deputy Vice-Chancellor (Academic, Research and Student Affairs)



Prof. Charity Gichuki, Ph.D Deputy Vice-Chancellor (Administration, Finance and Planning)



Prof. Peter Masinde, PhD Registrar (Academic, Research and Student Affairs)



Dr. Elijah Walubuka Registrar (Administration and Planning)



Mr. Nephat Njeru Finance Officer



Ms. Evelyne Gitonga Deputy Registrar (Human Resource)

MESSAGE FROM THE DEPUTY VICE-CHANCELLOR

ADMINISTRATION, FINANCE AND PLANNING (A,F&P)

t is a great day that we celebrate the graduating Class of 2016 here at Meru University of Science and Technology (MUST). This is your day! It is because of your hard work and achievement that we join your parents, families, guardians and our stakeholders to witness your transition from student hood to nation builders and alumni. I am joyful and humbled to join the entire University community to express our deepest gratitude, to you all, for gracing this occasion. I thank God for granting us the opportunity to grow together.

This 4th Graduation Ceremony is a special and momentous occasion in our University. It depicts the growth of our University in its commitment towards nation building. With the support of the Government of Kenya and well-wishing philanthropic friends, we have enjoyed the growth in student and staff numbers as well as in the learning and teaching facilities. We have witnessed the completion of the Innovation and Entrepreneurship centre, Engineering Tuition Complex and Workshops, as well as the equipping of the engineering workshops and food science laboratories. We remain thankful to the Government and Friends' support as we work together to achieve sustainable development of our beloved nation. MUST aspires to leave an indelible footprint in Kenya's industrialization journey and that can only be achieved through our graduating students such as you.

As we mark the end of our four season of growing together, I believe and trust that you have picked specific skills to enable you to build this nation to impact Africa and the world. I also believe you have picked up the art of learning with and from each other and that you will take that to the communities you will have the opportunity to work with and/or for. As you leave, remember that you will always remain alumni of Meru University of Science and Technology. We shall always be happy to learn from and with you as you embark on the journey of impact. Let Meru University of Science and Technology forever remain a place where your impact will be felt and celebrated.

I congratulate the Class of 2016 for their hard work and determination. May God always keep you on a path of blessings.



Prof. Charity Gichuki, Ph.D Deputy Vice-Chancellor (Administration, Finance and Planning)

MUST aspires to leave an indelible footprint in Kenya's industrialization journey and that can only be achieved through our graduating students such as you.

MESSAGE FROM THE DEPUTY VICE-CHANCELLOR

ACADEMIC, RESEARCH AND STUDENT AFFAIRS (ARS) AND MANAGEMENT REPRESENTATIVE



Prof. Gitonga N. Mburugu, Ph.D Deputy Vice-Chancellor (Academic, Research and Student Affairs) and Management Representative

n behalf of the entire Division of Academic, Research and Student Affairs, I congratulate you for successfully completing your studies and participating in this Graduation Ceremony. We acknowledge and appreciate your vigorous effort and hard work in pursuit of your programmes of study. The success you are celebrating today is a confirmation of fruitful engagement with staff, students and the entire community of Meru University of Science and Technology. Your success is well deserved and will give you a chance to spread your wings and showcase your expertise and skills acquired in your academic pursuit.

Meru University of Science and Technology has given you an identity and you are forever associated with this University. Endeavour to be innovative and pursue your dreams with passion. Hard work isn't over when you graduate, it is just a break as you enter the new battle fields of life. As a University, we celebrate you as transformative leaders with ability to change the environment of this Nation. We welcome you back to undertake further training and jobs whenever opportunities arise.

Good luck and congratulations.

We are ISO 9001:2015 Certified

Meru University of Science and Technology began the journey towards attaining ISO 9001:2015 certification following the University Council's decision to adopt the Quality Management System. The University Management enlisted the services of Alpex Consulting Africa Ltd (ACAL) to guide the process.

As a first step towards incorporating Quality Management Systems into our operations, a number of training programmes were organized for various groups of staff. The entire staff was also sensitised on the purpose and benefit of embracing Quality Management System in our day-to-day activities, with all appreciating that provision of quality service to our customers is an efficient and effective manner is the way to go in a competitive environment such as ours. This was followed by the documentation of Manuals including; Academic, Research and Student affairs manuals, Human Resource Manual, Finance, Accounting manuals and Procurement Manuals, Administration and other support manuals within the Administration, Finance and Planning division.

Quality Manuals, Quality Policy and Compulsory Procedures were developed by the ISO Secretariat, while departmental procedures were developed by the respective departments with the participation of all members of staff.

Development of control tools including: Institutional internal and external analysis, Risk matrix and Risk and Opportunity registers, Monitoring, Measurement, Analysis and evaluation tools, Quality objectives and plans to achieve them have been well documented.

I am certain that service delivery in all spheres of academia, research, outreach and related sectors will guarantee customer satisfaction. The implementation of Quality Management System, in our university thus becomes an important priority area. It is only through the implementation and adherence to the quality management system that we will ensure that curricula designed and delivered at MUST can compete favourably in the international research and intellectual arena.

Our trained internal auditors carried out various internal quality audits where gaps were identified and corrections and preventive actions taken. This was followed by a precertification audit by ACAL. A few non-conformities were identified and subsequently corrected.

The attainment of the ISO 9001:2015 certification in a short period is a testimony to what team work and determination can achieve. The University Council, University Management Board, staff and students, were the greatest driving force in the entire process.

MESSAGE FROM THE REGISTRAR

ACADEMIC, RESEARCH AND STUDENT AFFAIRS



Prof. Peter Masinde, PhD Registrar (Academic, Research and Student Affairs)

take this opportunity to congratulate you on your achievement of successfully completing your studies. The Office of the Registrar, Academic Research and Students Affairs recognizes your commitment in abiding by the University's rules and regulations during your course of study. We wish to appreciate you for remaining focused on your main goal of obtaining training and skills crucial in today's job market.

As you leave the University, I urge you to live within the norms of the society and abide by the laws of the country. I encourage you to strive to participate in job creation and serve the world with dedication. I wish to thank your parents and guardians who sacrificed greatly to see you through your education. Once settled in your career, I encourage you to support other young people in pursuit of their academic excellence.

Once again congratulations.

MESSAGE FROM THE REGISTRAR

(ADMINISTRATION AND PLANNING) AND DEPUTY MANAGEMENT REPRESENTATIVE



Dr. Elijah Walubuka Registrar (Administration and Planning) and Deputy Management Representative

n pursuit of the goal of performance improvement at Meru University of Science and Technology, we have embraced the new public management models for example, performance contracting and a quality management system based on ISO 9001:2015. These public management models have been invariably seen through the public service reform initiatives in many developing countries as a solution to reversing the falling service delivery. As a University, these have not only improved our service delivery but also made us to focus more on the customer and results.

The University signs performance contracts annually with the Government of Kenya. This document explicitly quantifies targets for a period of one financial year (July to June). Our performance achievements are measured against agreed targets. Each contract specifies the mutual performance obligations, intentions and responsibilities between the University and Government. We have performed well over the years with a rating of 'very good' for the last seven years.

We started implementing ISO 9001:2008 in May 2013. This is a quality

management system that ensures quality service delivery. Further, we have recently transited to ISO 9001:2015.

The Journey to ISO 9001:2015 Certification would not have been a success were it not for the support and commitment by the University fraternity, stakeholders and partners. They have stood by the University from the onset. By their effort the University successfully went through the establishing process, documenting, implementing and auditing of the University's Quality Management System.

Meru University of Science and Technology becomes the first University in Kenya to transit and implement this standard. It is hoped that the new standard will bring many benefits to us. The benefits are many. For instance, the new standard puts a lot of emphasis on risk management, good leadership, performance management and continuous improvement. There is no doubt that these two public management models have improved the quality of our services and products.

Congratulations to the Class of 2016

MESSAGE FROM THE DIRECTOR, INNOVATION AND ENTREPRENEURSHIP CENTRE (IEC)



Dr. Guyo S. Huka Director, Innovation and Entrepreneurship Centre (IEC)

eru University of Science and Technology (MUST) Innovation and Entrepreneurship Centre (IEC) was established during the University's first graduation ceremony on 26th July, 2013. The founding Chancellor, Dr. James Mwangi donated Kenya shillings One Hundred Million (KSh100, 000,000/=) as a seed fund for the development of the centre. The construction of the Centre was completed in April 2016.

The Centre has fully developed operational systems, procedures and policies to guide day to day functions of the Centre. The Centre is envisioned to be a global innovation and entrepreneurship centre of excellence that supports the germination and propagation of industrial based knowledge through innovation, incubation, acceleration and commercialization of ideas. The Centre is continuously working on programmes of nurturing, mentoring and empowering staff and students on entrepreneurship initiatives for global businesses.

The Centre has an Advisory Board chaired by Rt. (Amb). Dr. Francis Muthaura. The Advisory Board provides policy direction and promotes the growth and development of the Centre at regional and global arenas. Further, the Board coordinates the sourcing of funds from donor agencies and government departments as well as supports external collaborations with research institutions for

benchmarking. The University has also established a directorate which is charged with duties of providing managerial and operational leadership at the Centre including coordination, development and implementation of centre policies, procedures and action plans.

The Directorate also coordinates talent search, linkages with mentors and develops funding proposals for the Centre activities.

Further, the directorate calls for innovative ideas from students, staff and anybody with an innovative idea to be housed at the Centre. The Centre offers a number of services including high speed internet connectivity, office space and computing facilities. The Centre also avails an opportunity for innovators with prototypes to interact with venture capitalists, equity partners and practicing innovators to share experiences. Prospective innovators are advised to visit the University website (www.must.ac.ke) for further information.

It is envisaged that the innovations developed at IEC and commercialized in the industries would significantly contribute to solving socio-economic challenges faced by the Kenyan economy and complement the government's effort of transforming the economy through employment and wealth creation.



Innovation and Entrepreneurship Centre

DIRECTORATE OF RESEARCH AND PUBLICATIONS



Prof. John K. Mworia, PhD Director - Research and Publications

esearch to drive sustainable development and achieve the status of middle income of a country is the key mandate of Kenya's public universities. Meru University of Science and Technology (MUST) has a strong commitment to research. Through the Research Directorate, MUST has funded over 30 research projects. These projects are by our faculty and thesis research under the PhD scholarships scheme for staff development. Researches supported focus on themes critical to National Development in the broad areas of Agriculture, Natural and Biological Sciences, Engineering, Energy, Health, Information technology, Business and Social Sciences.

Cancer Research

Universities respond to societal needs through research. Following a report that Meru County has the highest cancer prevalence in the country, Meru University of Science and Technology responded by leading in the formation of a Cancer Consultative Forum for the county encompassing over 15 doctors and medical practitioners drawn from the Ministry of Health, public and private health facilities across the county to address this challenge. Further, through the Research Directorate, MUST funded a baseline study on cancer prevalence trends, mapping and predisposing factors. The cancer research team is now developing an inter-disciplinary study with a wider scope and coverage.

Hosting an International Conference

Meru University of Science and Technology will be hosting an international conference jointly supported by DAAD and organized in partnership with Kenya DAAD Scholars Association (KDSA) and MUST Research Directorate. The conference has been set for June 2017 and the theme is "University-Industry Linkages: Synergizing Opportunities and Addressing Challenges" The International Conference will give our scholars enormous exposure and an opportunity to create and enhance academic and research linkages.

Multi-disciplinary Research and Inter-Institutional Collaboration

The Research Directorate is now encouraging the growth teams undertaking multi-disciplinary research at MUST with initiatives such as water resources management, agrochemical management, cancer, climate change and others. This has enhanced collaboration and partnerships with our research partners such as University of Michigan, University of ULM, Hohenheim University. In particular, collaborations with local and regional research networks such as Kenya Agricultural and Livestock Research Organization (KALRO) among others and expanding linkages with local University networks.

Research Grants Portfolio

The growth in academic staff and postgraduate students in various disciplines over the last few years calls for a commensurate growth and diversification of the Meru University of Science and Technology research grant portfolio. Internal funding of research projects and National Council for Science, Technology and Innovation (NACOSTI) grants especially for postgraduate studies constitutes the largest local support of research. The Directorate of Research has plans to increase capacity of staff to tap into diversified local and international sources through training workshops on proposal writing, research, industry linkages and scholarly exchange programs.

DIRECTORATE OF QUALITY ASSURANCE



Dr. Eunice Marete Director, Quality Assurance

take this opportunity on behalf of the Directorate of Quality Assurance to congratulate all graduands of 2016. As a Directorate, we are proud of your achievements and we are confident that you will continue with more success in your adventures into the future.

The Directorate of Quality Assurance was established in October 2012 to coordinate activities in Quality Assurance.

Functions of the Quality Assurance Office include:

- i) Implementing the University Quality Assurance Policy.
- ii) Monitoring academic quality standards at the University, campuses and centres.
- iii) Reviewing quality assurance to ensure adherence to guidelines national and regional quality assurance agencies.
- iv) Developing and reviewing instruments for evaluation of the facilities and the teaching process.
- v) Receiving and analyzing information on the evaluation of the facilities and the teaching process.
- vi) Conducting tracer studies on the performance of graduates of Meru University of Science and Technology in the job market.
- vii) Carrying out the assessment of programmes in order to identify their strengths and weaknesses.

The Directorate of Quality Assurance is committed to ensure that quality standards are applied and maintained as guided by the regulatory agencies within the Country and the region.

INTEGRITY ASSURANCE OFFICE

eru University of Science and Technology is committed to ensure a corruption-free working and studying environment. This is achieved through the Corruption Prevention Committee (CPC) that was appointed in 2011 and chaired by the Vice Chancellor. The Committee has overseen the development of various policies that guides the University community on matters relating to Integrity. These include the Anti-Corruption policy, Corporate gift policy and the whistle blowing policy.

The mandate of the Corruption Prevention Committee includes;

- i) Planning and coordination of integrity assurance activities
- ii) Receiving and reviewing reports on corruption prevention initiatives
- iii) Receiving and recommending appropriate action on corruption reports made by the stakeholders
- iv) Organizing anti-corruption campaigns within the University Community
- v) Sensitizing the University community on Ethics and Integrity
- vi) Monitoring and evaluating the impact of corruption mitigation plans by various departments in the University

vii) Preparing progress reports to the Ethics and Anti-Corruption Commission

To execute its mandate, Corruption Prevention Committee is supported by the Integrity Committee which is comprised of trained Integrity Assurance Officers.

The mandate of the Integrity Committee includes;

- i) Providing secretariat to CPC
- ii) Offering technical expertise and input into the work of CPC on the implementation of corruption prevention initiatives
- iii) Be technical operatives and take lead in Corruption Risk Assessment processes
- iv) Implementing anti-corruption and sensitization programmes
- v) Recording and presenting reported cases of corruption to CPC for analysis

The integrity assurance Office congratulates the graduands of 2016 and wishes you well in your future endeavours.

As you step out of Meru University of Science and Technology, 'remember what you are, is more important than what you say'.

Pictorial



The Chancellor, Dr. James Mwangi, CBS, Chairman of the University Council, Prof. Justin Irina, EBS and Vice-Chancellor, Prof. Japhet Magambo, Ph.D pose for a photograph with top performing graduands during the 3rd graduation ceremony.

The Vice-Chancellor, Meru University of Science and Technology takes a photograph with officials from the Nursing Council of Kenya during a recent inspection at the University.



Hon. Daudi Mwiraria displays his Honorary Degree of Doctor of Science in Statistics conferred upon him by Meru University of Science and Technology.



Prof. Japhet K. Magambo, Vice-Chancellor MUST, presents the ISO 9001:2015 Certificate to Prof. Justin Irina, Chairman of Council MUST. Meru University of Science and Technology is the first University to be ISO 9001:2015 Certified.



Meru University
of Science and
Technology is
recognized as a
Distinguished Taxpayer
2016 and awarded the
National Government
(Institution) Award.



The Meru University of Science and Technology student Choir entertains guests during the 3rd Graduation Ceremony.











during a Prayer Breakfast held at the





MESSAGE FROM THE COUNSELLING OFFICE



Mrs. Ann Ntoiti Student Counsellor

any students are filled with excitement and enthusiasm as they transition from secondary school to the University. These positive feelings associated with university life are often short-lived because challenges start emerging as they settle and adapt in the new environment.

The University administration strives to provide psychosocial support to all students experiencing stress associated with transition and new academic demands emanating from the course they are enrolled in. Students require support from various categories of people. This support is availed through counselling services, academic staff, support staff and peer-to-peer support and even the surrounding community. The counselling office is charged with the responsibility of guiding, advising and counselling students on issues that affect their academic and social welfare.



May God give you the strength and courage to challenge anything which is contrary to the core values of MUST which are profitable for living a happy and fulfilled life.

We wish to congratulate all the students graduating during this 4th graduation ceremony. God has helped you throughout the period you were a students in this University. As you celebrate your achievement remember to take a little time to thank God for enabling you overcome the stressors and challenges which you faced in your pursuit for academic excellence. You have been prepared fully to go and serve the society where you will be placed. Be good ambassadors of Meru University of Science and Technology (MUST) wherever you will be given an opportunity to render service.

Our prayer for each of you is that you will be agents of positive change. Do not be conformed to the standards or practices that do not reflect integrity and Godly living. May God give you the strength and courage to challenge anything which is contrary to the core values of MUST which are profitable for living a happy and fulfilled life.

May each of you live a blessed life that pleases and brings honour to God.

SCHOOL OF AGRICULTURE AND FOOD SCIENCE (SAFS)



Dr. Joshua Arimi Dean, School of Agriculture and Food Science (SAFS)

ongratulations innovative and transformational leaders of 2016! The School of Agriculture and Food Science (SAFS) recognises the great effort that you put in your studies both in class work and in industrial practicals that enabled you to come out successfully. Your achievement has made the entire school fraternity proud and that is what we are celebrating today. Well done.

Through our two departments: Department of Food Science and Department of Agriculture the School is graduating 309 graduands.

The Department of Agriculture came into existence on 1st May 2010 with only six (6) members of staff and fifty (50) students in certificate and diploma programmes at the main campus at Nchiru. In 2015, all certificate and diploma programmes were moved to Marimba learning centre. Currently the department boasts a population of more than four hundred and fifty (450) students and a strong team of fifteen (15) dedicated academic and technical staff.

The vision of the Department is to be a world centre of excellence in agricultural training, research and innovations. The department is committed in

ensuring the attainment of the University objective of playing a leading role in the development and expansion of opportunities for higher education and research in Agriculture, Forestry, Water, Environmental Science and Arid and Semi-arid lands.

Under the Department of Food Science, there are three degree programs i.e. Food Science and Technology, Human Nutrition and Dietetics and Food Science and Management. Value addition to food commodities and improved nutrition for better health are key to the achievement of Vision 2030. This is the domain of training in the department. The objective of the department is to produce world class graduates in the area of Food and Health.

SAFS boasts of a vibrant academic culture, real life practicals and intensive scientific research. The laboratories are well equipped for advanced research.

The school in line with the University objective of offering quality postgraduate programmes, has launched four postgraduate programmes i.e. PhD. in Agricultural Sciences, PhD in Food Science. MSc. in Horticulture and MSc. In Food Science.

The staff members in the school are actively involved in research with over five research projects running. These research projects are funded internally by Meru University of Science and Technology (MUST) and externally by the National Council for Science, Technology and Innovation (NACOSTI) as well as various funding agents.

As we celebrate the achievement of our graduands, SAFS is setting eyes on launching short courses in food processing and value addition. This will go a long way in converting food raw materials produced in Meru into valuable end products. Some of these products are camel milk yoghurt, potato products and banana products.

epartment of Food Science in the School of Agriculture and Food Science has ultramodern Food Science Complex with three well equipped laboratories. These are:

- 1. Food processing hall
- 2. Food Microbiology laboratory
- 3. Food Chemistry Laboratory



Food Science complex

1. Food Processing Hall

The food processing hall has the following sections:

i. Bakery Section





The baking oven, Mixer and cooling trolley and bread slicer in the bakery section.

ii. Fruits and Vegetable Processing Section

The Department processes fruit juices, tomato sauce, chilli sauce, fruit jams and fruit smoothies.



Fruit pulping pilot plant

iii. Meat Processing Section

The Department processes sausages, meat loaf and other meat products. The section is well equipped including the following equipment.





the top bowl cutter and on the left sausage stuffing machine and on the left sausage stuffing machine.

Αt

iv. Water Bottling Section



Water bottling machine that can pack 1000 litres per hour. It is used to provide potable water in the University and food processing hall.





Food Microbiology laboratory

3. Food Chemistry Laboratory

In Food Chemistry laboratory the Department can carry all analysis in food ranging from proximate analysis, viscosity determination, colour measurement and thermal analysis.



Section of Food Chemistry laboratory



Protein determination sysem (Kjedahl digestion and titration system)





Rheometer for determination of rheological properties of foods.

SCHOOL OF BUSINESS AND ECONOMICS (SBE)



Dr. Rita Lyria
Dean, School of Business and Economics

66

Talent and creativity is nurtured and you are empowered with skills and knowledge needed for the transformation of business in the world today and in future.

his is another great occasion that we celebrate all our graduands for finally achieving their goal of attaining various degrees and certificates. The School of Business and Economics fraternity is very proud of you and we believe as you go out armed with all the knowledge you have gained in the course of your study, you will bring to the job market vibrant transformational leaders that are wheels of economic development in our country and beyond boarders.

Talent and creativity is nurtured and you are empowered with skills and knowledge needed for the transformation of business in the world today and in future.

The School of Business and Economics was established in the year 2012, with a mission of providing a holistic Business Education, Training and Research in Human Capital Development in order to produce globally competitive graduates. We have continued to fulfil this obligation.

The school has two departments;

Department of Accounting and Finance

In the department of Accounting and Finance, the following programmes are offered;

Masters in Business administration

- Bachelor of Commerce
- Bachelor of Business Administration
- Bachelor Co-operative Management
- Diploma in Business Administration
- Certificate in Business Administration

Department of Business Management

In the department of Business Administration, programmes offered are;

- Master of Science in Entrepreneurship
- Bachelor of Purchasing and Supplies Management
- Bachelor of Science in Entrepreneurship
- Diploma in Purchasing and Supplies Management
- Certificate in Purchasing and Supplies Management

Congratulations graduands! Best wishes in your careers ahead!

SCHOOL OF COMPUTING AND INFORMATICS (SCI)



Mr. Abkul Orto Dean - School of Computing and Informatics

ongratulations to our newest alumni, the Class of 2016! You have accomplished an enormous amount, and you have even greater potential than when you began your studies here. You have earned a Certificate, Diploma and Degree, but you have done more by growing intellectually. In earning these certificates, diplomas and degrees, you have grown as individuals, gained new experience and acquired the strong computing foundations and problem solving competencies that will serve you well in the future. You are well prepared to create innovations, collaborate across fields and tackle some of the world's most pressing challenges.

I would also like to give special thanks to the University fraternity, parents, guardians, spouses, children and friends of our graduates for their patience, understanding, sacrifices and support both moral and financial - during these challenging, but rewarding, years at the University. The impressive track record of graduates from our various professional programs demonstrates the relevance, marketability and value gained from the University in the highly competitive knowledge and technology economies of the 21st century.

In the coming years, I would ask that you do not forget your University, School, former professors/lecturers, and fellow colleagues. I encourage you to not only give back to the University by supporting its activities, and programs, but also by keeping us updated on the many achievements you will experience in your careers and personal lives.

I am confident that our graduates have the potential for leadership. You will address effectively the world's challenges and seize the most exciting opportunities. You are already today's leaders. Thank you for making the School of Computing and Informatics and Meru University of Science and Technology stronger.

I recall the words of Albert Einstein who said that "Learning is not a product of schooling but the lifelong attempt to acquire it". As you leave MUST, I encourage you to engage in lifelong learning as this is the only way to succeed in the dynamic, globalized environment in which we now live and work.

Congratulations and take on the world!!!.

The School of Computing and Informatics (SCI) was hived out of the former School of Information Technology and Engineering in July 2016. Demand for computing knowledge and skills has led to growth in student population taking computing and informatics programs in the University from less than 400 to over 1200 in the last 4 years. In addition, programmes offered by SCI have also increased from an initial 3 undergraduate programs, one Diploma and Certificate in Information Technology programs to 12 programs ranging from certificate to PhD programs offered currently. The school plans to introduce MSc. Information Technology, BSc. Bioinformatics, BSc Software Engineering and Diploma in Computer science to meet growing demands. We are also offering Certificate and Diploma in Information Technology at our Meru Town Campus.

Our vision is to be a School of excellence in Information Technology and Computer Science. The release of our 2016 graduates is a big step towards achieving this vision. Other indicators that clearly show that we are on our way to becoming a center of excellence include improved infrastructure, revised curricula, as well as groundbreaking research by the staff. The School engages the industry in curriculum development, academic trips, and attachment placement for our students. Additionally, as a strategy for ensuring quality assurance, the School embarks on periodic curriculum reviews for programmes offered to always exceed the expectations of its clients and stakeholders. The objective of curriculum reviews is to focus our teaching to a more practical-based teaching that involves participant-centered and case teaching methods.

PROGRAMMES OFFERED IN THE SCHOOL

1.	PhD. Information Technology
2.	PhD. Computer Science
3.	MSc. in Computer Science
4.	MSc. Software Engineering
5.	Bachelor of Business Information Technology
6.	Bachelor of Science in Information
	Technology
7.	Bachelor of Science in Information Science
8.	Bachelor of Science in Computer Science
9.	Bachelor of Science in Computer Security and
	Forensics
10.	Bachelor of Science in Computer Technology
11.	Diploma in Information Technology
12.	Certificate in Information Technology

The Department of Information Technology and Computer Science has in the past organized events to improve the exposure and skills of the students' with respect to teamwork, problem solving and systems development. The first such contest was held in November 2013 with a total of 15 teams participating, demonstrating a wide array of solutions. The second

contest was held on 13th November, 2015, where more participants enrolled in different categories of which they exhibited applications and competed where top teams were awarded.

The Department also held an exposure session on various areas in ICT. The event held on 18th March 2016 invited guest speakers from Brand2B and Oracle to speak about entrepreneurship, creative design, graphics, web design, social media and online marketing. Furthermore, eMobilis institute in conjunction with Google held an exposure forum from 3rd to 7th October 2016 in the university to inform our students on digital skills. The objective was to train them to build an online presence, create content, web design and user experience and application development.

Through Google Developers Group (GDG), a group of young developers, the department is pursuing a partnership with Google, to have Meru University of Science and Technology host Google Developers Group (GDG) Meru chapter. This initiative will include hosting an event that will expose students to a wide range of Google technologies including android, chrome and Google cloud.

SCHOOL OF EDUCATION (SEd)



Dr. Simon M. Rukangu Dean - School of Education

wish to congratulate today's graduands on their achievements for today's 4th graduation ceremony. The School of Education (SEd) is proud of you and your achievements. Keep it up! With a mission to provide quality training in education through research and problem solving skills for the richly endowed society world over, the School of Education is readily prepared to do that. In this context, the school has qualified academic staff in specialized areas in Educational areas: 1. Dr. Simon M. Rukangu (PhD- Specialized in Mathematics Education) 2. Dr Charles Njati Ibuathu (PhD – Specialized in Education Planning and Economics) 3. Dr. Kageni Njagi (PhD – Specialized in Educational Communication and Technology) 4. Dr. Hilda K. Nyougo (PhD – Specialized in Educational Tests, Measurement and Evaluation) 5. Dr. Mercy Thuranira (PhD – Specialized in Guidance and Counselling in Psychology). The school, which started with ninety six (96) students and housed in the School of Pure Applied Sciences is now a full-fledged independent school with a student population of over 400 students within three (3) years of training. This marks a fast growing education center within a fast growing institution in education. The quality education offered at Meru University of Science and Technology embraces

knowledge through critical thinking, academic discussions to transform and empower graduates from this University with strong aptitude to competently serve the society. The School of Education has qualified staff to not only do that but also address students' needs as they progress in their studies.

The School of Education currently offers a Bachelor of Education (Science) programme in which *students are* allowed to select two teaching subjects from among Mathematics, Physics, Chemistry, Biology, Agriculture and Computer Studies.

SCHOOL OF ENGINEERING AND ARCHITECTURE (SEA)



Ms. Joy Nyawira Riungu Dean, School of Engineering and Architecture

he School of Engineering and Architecture (SEA), established in July 2016, is among the newest Schools at Meru University of Science and Technology. This happened after the Department of Engineering which was under the School of Information and Technology and Engineering became a full-fledged School. Currently the School has three departments namely;

- Department of Civil and Environmental Engineering
- Department of Electrical, Electronics and Communications Engineering
- Department of Mechanical and Mechatronics
 Engineering

The established departments are currently offering Diploma and Certificate programmes, with degree programmes expected to start in September 2017. The School expects to have more departments in future. Already, plans are underway to establish the Department of Architecture and Built Environment.

Our vision is to be a leading centre of excellence in engineering and architecture. In this regard we focus on furnishing our students with the finest instruction and strong foundation in engineering and architecture. Our core values which are integrity, commitment, academic and research excellence, professionalism, innovation, teamwork, equity and social justice and customer responsiveness are our guiding pillars which the School fraternity strongly believes in.

Recently the School received from the Government modern training equipment, aimed at equipping students with hands on practical experience. The equipments, installed in our newly built workshops will go a long way in enhancing the quality of training in the School. In addition, a new building at the main campus, popularly known as the Engineering Complex is complete. The building is intended to house all the engineering departments in a very comfortable serene and attractive environment which is conducive for effective learning. These facilities are aimed at supporting our resolve to train and produce graduates with fine skills and deep knowledge of the engineering and architectural disciplines. We therefore strongly believe that the 2016 graduands who are being released will effectively participate in improving the livelihood of mankind in the field of engineering.

The School of Engineering and Architecture wishes to congratulate these graduands for successful completion of their studies. We know that the academic journey is not easy but your success is an indication that you are now ready to face the challenges in the world.

Programmes offered

- Mechanical and Mechatronic Engineering Department
 - 1. Diploma in Mechatronic Engineering
 - 2. Certificate in Motor Vehicle Mechanics
- Electrical, Electronic and Communications
 Engineering
 - 1. Diploma in Electrical Engineering
 - 2. Certificate in Electrical Installation
- Civil and Environmental Engineering Department
 - 1. Diploma in Civil Engineering
 - 2. Certificate in Civil Engineering



We therefore strongly believe that the 2016 graduands who are being released will effectively participate in improving the livelihood of mankind in the field of engineering.

Bachelor of Engineering courses: The School is in the process of developing curricula for Bachelor of Engineering courses in Civil, Electrical and Mechanical engineering. The first batch of students in these courses is expected to join the university in September 2017. A pioneer class in architecture is also expected, in the Department of Architecture and built environment.

Engineering workshops and training equipments

The school has several modern and spacious Engineering workshops. Recently, the school received training equipments from the Government of Kenya. Installation of the equipments in the workshops was done by a team from the company that supplied. In addition to equipment installation, the team conducted a week long intensive training for members of staff from the Departments of Engineering and Physics. These equipment are now being used to train students.

In addition, several batches of training equipment have also been received for mechanical and civil engineering and are in the process of installation and commissioning. The first batch of civil engineering equipment was received in April 2015 while that for mechanical engineering was received shortly thereafter. Delivery was completed in June 2016. With all these equipment in place in laboratories and workshops it is expected that the School will be in a position to mount Bachelor of Engineering degrees in September 2017 and eventually introduce other disciplines such as Chemical and Materials Engineering as well as Petroleum and Geosystems Engineering.

Some of the equipment in the engineering workshops



Electronic working bench





 $Students\,during\,a\,practical\,session\,on\,the\,electronic\,work bench$



Engine test rig



Gas turbine



Lathe machine



Radial drilling machine



Surface grinding machine



Horizontal milling machine



Shaper

SCHOOL OF HEALTH SCIENCES (SHS)



Mr. Patrick Mutharia Ag. Dean, School of Health Sciences

n the short history of the School of Health Sciences (SHS), located within the building that houses the University medical clinic, tremendous growth has been witnessed. Back in 2011, the first course in Bachelor of Science in Public Health was initiated in the School of Pure and Applied Sciences with its first 15 students who enrolled in January 2012, and with only two staff members. Consequently, the department was elevated to the status of a school

in September 2012 with the objective of providing quality education, training and research in Health Sciences and to offer Degrees at Bachelor, Master and Ph.D levels of education. Currently, the school has mounted 3 Bachelor of Science programmes (Public Health, Community Health and Development and Health System Management), 3 Master of Science Programmes (Epidemiology, Public Health and Medical Education) and Ph.D programmes in Molecular Medicine, Epidemiology and Public Health. Equally, the student population has grown to over 500 and 12 full time academic staff, four support staff and over 15 adjunct lecturers. More importantly, the school started to receive Government Sponsored students through Kenya Universities and Colleges Central Placement Services (KUCCPS) back in 2013 in the three Bachelor of Science Programmes.

Additionally, the school is proud to have given birth to the School of Nursing which is likely to have its first group of students in January 2017. Further, to boost

its visibility, the school is gearing to mount Bachelor of Science in Clinical Medicine and Community Health after successful inspection by the Clinical Officers Council on 18th May 2016. The school is also extensively involved in research ventures with collaborations links to Ministry of Health, AMREF and KEMRI nationally, and Michigan State University - USA, Ulm University and Hohenheim University in Germany.

The School is also served by well-equipped modern teaching facilities, e-library, computers, laboratories, and real and virtual microbiological laboratories. This year the school will graduate its second batch of 30 students with the Degree of Bachelor of Science in Public Health. The group will add to the existing pool of public health specialists and contribute to improved quality of life for Kenyans and the world at large.

As a school, we strive to continue providing quality and affordable programmes with a focus on academic excellence, coupled with effective administration and servant leadership to promote excellence in all aspects of our School's teaching and research activities.

In this regard and on behalf of all in our school we wish to congratulate the graduands for their exemplary achievement with attainment of their respective degrees. The ball is now in your court for you to practice what you have learnt in the last 3 or 4 years, be good ambassadors of our School and University.

God Bless you abundantly in your future endeavours.



We strive to continue providing quality and affordable programmes with a focus on academic excellence, coupled with effective administration and servant leadership...

The Programmes offered by the school include:

- i. BSc in Public Health
- ii. BSc in Community Health and Development
- iii. BSc in Health System Management
- iv. Master of Science in Public Health
- v. Master of Science in Epidemiology
- vi. Master of Science in Medical Education
- vii. Doctor of Philosophy (Epidemiology, Public Health and Molecular Biology)

Mode of Delivery

Full time and Weekend classes

Milestones

The School of Health Sciences was inspected for two new programmes namely; Bachelor of Science in Nursing and Bachelor of Science in Clinical Medicine and Community Health with provisional Accreditation. Secondly, the School has given birth to School of Nursing besides increasing Bachelor and Master Degree courses compared to programmes that were available last year.

Recent activities/events

- A member of staff within the School of Health Sciences visited ULM and Hohenhiem Universities to work on cystic echinococcuss Research Project and Ph.D programme through our collaborative venture.
- Staff members have continued to publish scientific papers and application of research grants with partners from International Universities and Institutions.
- The School of Health Sciences participated in Public Health and Cleaning programme at Nchiru Market.

SCHOOL OF NURSING (SoN)



Dr. Naomi Kathure Mutea Dean, School of Nursing (SoN)

t is my pleasure to welcome you to Meru University of Science and Technology School of Nursing (MUST-SoN). It is a humbling privilege to serve as the Dean School of Nursing and I am delighted to work with a great team.

The School of Nursing was established in October 2016 and plans to open its doors to the first group of students in January 2017 after accreditation by the Nursing Council of Kenya. Our vision is to become a center of excellence in nursing education, research and clinical practice in the region and globally. The School intends to provide holistic ethical education to nursing students to acquire intellectual knowledge and skills with the right attitudes and competencies relevant to meet the health care needs of the Kenyan population and future generations. The graduates will be mentored to effectively contribute in achievement of improved quality of health services to the highest standards as envisioned in Vision 2030 and the Sustainable Development Goals (SDGs) and will

further contribute to the promotion of sustainable health benefits and development of the nursing profession.

The School has four departments and two chairpersons: Department of Medical - Surgical Nursing, Department of Midwifery, Department of Community Health and Department of Leadership and Management.

The School of Nursing strongly believes in ethical practice and that our graduates will serve their clients with humility, compassion and honesty in the diverse environments where they will practice.

SCHOOL OF PURE & APPLIED SCIENCES



Dr. Eustace Mwenda Dean, School of Pure and Applied Sciences (SPAS)

ongratulations to all our 2016 graduands on this great day of your life. Special regards to the Bachelor of Science graduands who are the pioneer graduands in the program in both Physical Sciences as well as Biological Sciences.

As we join your parents/guardians and other mentors in the celebration of your achievement our joy is made manifest. It gives me great pleasure to join the 2016 graduands in the M.Sc. Applied Mathematics, B.Sc. Actuarial Science, B.Sc. Mathematics and Computer Science, B.Sc. Physical as well as B.Sc. Biological Sciences in marking another milestone in their lives.

I thank God for enabling you to successfully go through the various facets of the various degree programs. The Faculty members and staff in both Departments as well as the School celebrate your success. Their effort in ensuring your success is also acknowledged. We are happy that all our three Departments have each graduated students. We are also open for Post graduate education for those wishing to pursue further studies. We call upon

each graduand to go out and utilize the skills and competences learnt, exploit the potential within you and innovate on new and better ways of doing things as we prosper our country and the world at large. I trust as an alumnus of this University you will actively participate in the activities of the Alumni Association

Receive my best wishes and prayers.

OPEN, DISTANCE AND e-LEARNING (ODeL)



Dr. Kennedy Gachoka Director, ODeL

he Directorate of Open Distance and e-Learning (ODeL) was established as a synergy among the major stakeholders in order to achieve the mission and vision of the University's distance learning programmes. The Directorate is accountable for all programme management and delivery processes in providing all the necessary learner support services.

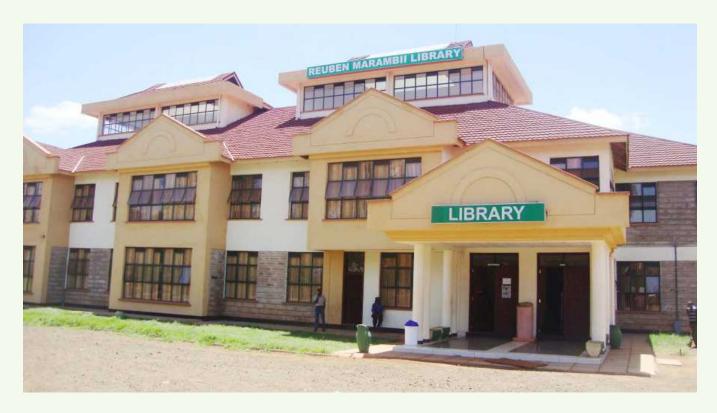
The Directorate was established to perform the following functions, among others:

- Promote, plan, direct and coordinate the provision of distance learning.
- Liaise with the Departments, Centres and Schools in the development of appropriate programmes.
- Facilitate the recruitment and training of full-time and part-time staff required for course development, production and implementation.
- **Director, ODeL** Manage and oversee the development and delivery of distance education through the study centres which are operational centres for students' registration, advisement, administration of residential session and other forms of face-to-face contact.
- Facilitate the distribution of study materials and administer marking assignments to ensure two-way communication between students and their tutors.

Meru University of Science and Technology (MUST) is already implementing an Academic Master Plan that incorporates ODeL courses to make education accessible to people who have no chance of attending classes on a full time basis. Already over 50 members of staff have been trained on the writing of training manuals and have been employing these skills to draft modules. Plans for a refresher write shop are underway. The University has also introduced e-learning resources for its full time students to access the reading content. Notes, course outlines and assignments can be uploaded and downloaded from anywhere. Students and lecturers can also interact using tools and hangout technologies like Skype, Chats and Google +. We expect complete uptake by the end of 2017.

All of us at the Directorate hereby join in celebrating the graduating class of 2016 and are proud to be associated with each one of you during this joyous occasion.

MESSAGE FROM THE UNIVERSITY LIBRARIAN



he Reuben Marambii Library stands as a tower of academic prowess at Meru University of Science and Technology. In line with the University's Vision, the library aspires to be a world class knowledge portal inspiring global research, creativity and innovation. It therefore remains mission-critically centred to provide, at all times, quality information resources that meet the ever-changing needs of our patronage to enable us remain relevant.

Since its establishment in 2012, the library has continued to serve as a competent information provider to the University's academic fraternity through user-friendly and service-oriented application of contemporary information technologies and a competent dedicated staff team. The 500 seater library has several sections that sees to it that different facets of information have been attended to. This includes the audio-visual services section, the periodicals and special collections services, user services, technical services and systems. The Meru Town Campus library and the Marimba Learning centre libraries also serve our patronage spread in these centres.

The library has a print collection of 25,000 print titles and 40 databases that guarantee access to the latest journal articles in various fields. Further, the library

grants access to over 80,000 e-books through a multiplicity of providers. The library's audio visual services enable access to non-print resources for a richer experience to knowledge as well as offers a resource lab for access to the resources. Recently, the library established the institutional repository that seeks to collate and make accessible research works from the university. The repository is accessible from

http://repository.must.ac.ke

To the graduands, Congratulations! Today as you leave Meru University of Science and Technology, Reuben Marambii Library fraternity is pleased to have empowered you with the best information resources that have seen you leave empowered. Empowerment is not a gift that you celebrate in isolation, but rather in service in giving away its fruits. Prof. Wangari Maathai, in her 2004 Nobel Lecture says: Those of us who have been privileged to receive education, skills, and experiences and even power must be role models for the next generation of leadership.

It is our greatest consolation that what we have inculcated in you is going to help you and others along the way in pursuit of their greater ideals. It is our hope too, that you will continue reading, for there is no end in the joys of discovery.

MESSAGE FROM THE DIRECTOR, LEARNING CENTRES



Mr. Richard Kirigia Director, Learning Centres

n view of bringing University education closer to the people, Meru University Science and Technology has opened up various learning centres. centres aim at training students in **Technical** Industrial Vocational and Entrepreneurship Training (TIVET) Courses.

1) Marimba Learning Centre

Marimba learning centre is located on a 12 acre piece of land. The centre is already operational and training students at both Diploma and Certificate levels in Agriculture. Plans are underway to enroll students in Business and Information Technology courses at both Certificate and Diploma levels beginning January 2017.

2) Igembe North learning centre.

Igembe North learning centre was officially launched on November 12, 2016 during a colourful ceremony graced by Igembe North Member of Parliament, Hon. Joseph M'Eruaki. The learning centre is situated at



The Vice-Chancellor, Meru University of Science and Technology, Prof. Japhet Magambo, receives the title deed for the 6 acre piece of land donated at Murungene Primary School as Hon. Joseph M'Eruaki looks on.

Murungene Primary School on a 6 acre piece of land. In addition, the community has also donated 700 acres of land in Ntunene for future expansion and research.

3) Kibirichia Learning Centre

Kibirichia learning centre is located on a 9 acre piece of land and will be operational beginning early 2017. It is housed at Ruibi Polytechnic grounds. The centre will initially be used to train students in both Certificate and Diploma levels in the areas of Information Technology and Agriculture.

MESSAGE FROM THE DIRECTOR, MERU TOWN CAMPUS



Ms. Haldess Nguta Director, Meru Town Campus

eru University of Science and Technology (MUST) Meru Town Campus opened its doors in the year 2009. Meru Town Campus offers courses at various levels as follows;

Masters	Master of Public Health, Master of Science in Epidemiology, Master of
	Science in Entrepreneurship, Master of Business Administration
Bachelors	Bachelor of Commerce, Bachelor of Purchasing and Supplies Management,
	Bachelor of Science in Public Health, Bachelor of Business Administration
Diplomas	Diploma in Business Administration
	Diploma in Purchasing and Supplies Management
	Diploma in Information Technology
Certificates	Certificate in Business Administration
	Certificate in Purchasing and Supplies Management
	Certificate in Information Technology

MUST Meru Town Campus endeavours to take education closer to the people and we are envisioned and committed to delivering a happy customer. We are a team that offers financial support, Human resources support, IT support, career guidance and counselling to our adored students. We envisage an all rounded person suitable for the industry thus in addition to theoretical and practical knowledge acquired within the institution, we send our students out for attachment to have an experience at the work place and put their knowledge into practice.

We say to our graduates "you are well positioned for the industry and we therefore wish you a successful career life. The resources that you spent at Meru University of Science and Technology is a worthwhile investment with high returns". Indeed what begins here transforms the world.

MESSAGE FROM THE DEAN OF STUDENTS



Mr. Jacob Ikiara Dean of Students

he Office of the Dean of Students acts as a key link between students and other areas of the University, as well as family members. In addition, the office acts as an advocate for students who may be experiencing crisis and need assistance to navigate the college experience, or seek advice regarding avenues to resolve an issue. It is our goal to work closely with Schools, staff and student leaders to enhance the quality of the University experience for students.

The office is also charged with the responsibility of planning, coordinating and implementing a variety of programs and support activities/services which are designed to assist the students in achieving academic and personal success. The services and activities are at the centre of student welfare and strive to prepare and empower students not just for employment but also for life.

I congratulate the Class of 2016 for coming out to their best in various programmes. We know that you have been prepared well and so you are ready to face the world.

The journey of learning from first year to the completion of your course may not have been very smooth, but you have been able to balance your life in academics, extra-curricular activities, social and spiritual being.

MESSAGE FROM THE CHAIRPERSON STUDENT ASSOCIATION OF MERU UNIVERSITY (SAMU)



Mr. Adindah Eric Waziri SAMU Chairperson

n behalf of the SAMU office and the entire student community of Meru University of Science and Technology, I take this chance to join in the celebration of the success of our dear graduands, the Class of 2016. The responsibility given unto you this day is to bring to actualization all your ambitions.

As you take up this task, remember to remain a horizon of hope to all. May the Almighty God be your guide in every situation that you encounter. We are proud of you.

Congratulations!!

MUST TOPS IN THIS YEAR'S MERU NATIONAL AGRICULTURAL SOCIETY OF KENYA (A.S.K.) SHOW



Prof. Gitonga Mburugu, Deputy Vice-Chancellor (Academic, Research and Student Affairs), is accompanied by the Meru National Agricultural Society of Kenya officials as he tours the Meru University of Science and Technology stand during this year's show. Also in the photograph are Mr. Daniel Maitethia (extreme right) and Mr. James Karuri (second right).



Meru University of Science and Technology staff display trophies awarded during this year's Meru National Agricultural Society of Kenya show. The University was ranked first position in the following categories: The Best University Stand, The Best Institution of Higher Learning in Developing of Advanced Technology, The Best Engineering Based Institution of Higher Learning, The Best Stand embracing Information Technology and Communication System and The Best County Stand.



Cabinet Secretary for Agriculture, Mr. Willy Bett, tests the noncontact (automated) hand washing tap at the Meru University of Science and Technology stand during this year's Meru National Agricultural Society of Kenya show.

SPORTS ROUND UP

eru University of Science and Technology (MUST) has continued to excel in sports after lifting four (4) trophies during the 2016/2017 Kenya Universities Sports Association (KUSA) Central Conference league. MUST emerged top in soccer men, handball ladies, netball men and hockey men while clinching second position in volleyball women and soccer women.

The University also recorded impressive results in October 2016 in the Athletics Championship held in Kitui County where six (6) students qualified for the Nationals. The Athletics Men team carried home the second position trophy.

The University hosted KUSA Central league games in October 2016. In November 2016, we hosted interuniversity softball tournaments for men and women. We are also proud of our Scrabble women team which is number two nationally and our soccer women team ranked number 3 nationally. MUST is soon embarking on the construction of a standard sports complex which will host various sporting disciplines.

Congratulations to our sports men and women. We are proud of you!



MUST Hockey Men Team



MUST handball women team showcase their trophy won during the 2016/2017 KUSA Central League. Also in the picture is Mr. Timothy Ramara (left), MUST Sports Officer and Mr. Dismas Kitaria (right), MUST handball coach

GENDER AND DISABILITY MAINSTREAMING REPORT



The Innovation and Entrepreneurship Centre has most of its facilities built using the universal design

eru University of Science and Technology is committed to excellence in training, research and innovation as pillars of development. It recognizes the full and effective participation in all development activities by the persons with disability on an equal basis with others as a prerequisite to sustainable development. Consequently, the university aims at achieving disability mainstreaming whereby persons with disabilities issues and experiences are an integral part in the design, implementation, monitoring and evaluation of policies, programmes, activities and projects at all levels.

It is within this context that a committee was appointed to spearhead Gender and Disability mainstreaming activities in our University. The main functions include but not limited:

1. To link the University Management, the National

- Council for Persons With Disabilities (NCPWDs) with Persons With Disabilities (Students, staff and other stakeholders)
- 2. To formulate and develop measures and policies designed to achieve equal opportunities for Persons With Disabilities (PWDs).
- 3. To facilitate, to the maximum extent possible the provision of assistive devices, appliances and other equipment to persons with disabilities; and access to available information.
- 4. To advocate and lobby for assistance to students with disabilities in the form of scholarships, loans, programmes, fee subsidies and other similar forms of assistance.
- 5. To spearhead the registration of PWDs.
- 6. To advocate for better access to products and services in order to allow full socio- economic and environmental participation of PWDs.

With the support of the University Management the following are some of the milestones that the committee has achieved:

- 1. Development of a Disability Mainstreaming Policy.
- 2. Carrying out a comprehensive Accessibility audit in order to identify gaps and also build on our strengths with the help of the NCPWDs.
- 3. Creation of awareness on disability issues among staff and students.
- 4. Sign language interpretation of major university events.
- 5. Training of front office staff in sign language.
- 6. Mobilising students with disabilities and establishment of a student committee that serves as a link between the Gender and Disability Mainstreaming Committee (GDMC) and students.
- 7. Facilitate registration of PWDs with the NCPWDs.
- 8. Benchmarking visits to learn about best practices as far as Disability mainstreaming is concerned.

Our future plans are anchored in our dream of making Meru University of Science and Technology (MUST) the best university to live in no matter what individual impairment one has. They include:

- 1. Advocacy for construction of ramps and/or lifts in all buildings.
- 2. Recommend construction of disability friendly toilets in all the buildings.
- 3. Advocacy for a minimum of 5% employment threshold for PWDs.
- 4. Advocacy for more and more admissions of Students with disabilities in the courses of their choice and help them achieve their dreams.
- 5. Avail disability friendly transport facilities.
- 6. Translation of all the essential documents of the University in accessible format (e.g. Braille and/or Audio)

7. Use of technology to facilitate accessibility by PWDs (e.g. Computers and other devices, software that are disability friendly).

Forthcoming Events/Activities

- 1. Sensitisation campaigns for staff and students
- 2. Interactive meetings with staff and students with disabilities

a. Administration Blocks

The university has two administration blocks.

- The entrance has a ramp with round rails that are easily used by persons with disabilities.
- The reception desk has two sides. One lower and the other at a higher place. The lower side is used to serve persons with disabilities.
- The receptionist has also been trained on basic sign language making it easy to communicate to persons with disabilities.

b. Reuben Marambii Library

• The library has two entry points; one for persons without disabilities and the other for persons with disabilities. This promotes inclusivity.

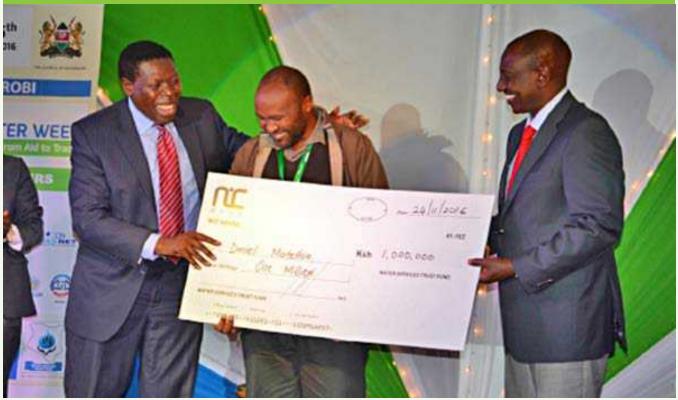
c. Innovation and Entrepreneurship Centre

- The centre has the best facilities in the university that are all accommodative and adaptive to persons with different disabilities.
- The washrooms at the centre have been constructed using the universal design to suit the needs of persons with disabilities. They have accessible toilets for both males and females and this runs all through the floors of the whole centre.





MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY WINS DURING KENYA WATER WEEK 2016



Deputy President of the Republic of Kenya, His Excellency William Ruto and Cabinet Secretary, Water and Irrigation, Hon. Eugene Wamalwa present the 1st prize award of Water Resource Management Innovation to Mr. Daniel Maitethia of Meru University of Science and Technology at the recently concluded Kenya Water week 2016.

Sensor Based Automatic Irrigation System

enya's population is on the raise and this calls for an increase in food production. However, rain fed agriculture is becoming unreliable due to the unpredictable weather patterns we are currently experiencing. Therefore, there is need to increase the acreage under irrigation so as to meet our food demand and become a food secure nation. Sadly, Kenya is classified as a water scarce nation with most of its land mass falling under arid and semi-arid region category. Thus, the available water resource needs to be properly utilized without wastage. The situation currently is contrary to the ideal case. The little water available for irrigation is massively wasted through inefficient irrigation methods such as overhead and furrow irrigation. Besides, irrigation is a labour intensive process since it is carried out on daily basis until maturity of crops. This leads to increase in cost of production for crops produced by irrigation. There exists a need for development of appropriate technology for automation of irrigation with the capability of precisely delivering the right amount of water to crops. This will reduce both the cost of

producing food by irrigation and minimize water wastage and enhance more land under irrigation.

A team of technologists from Meru University of Science and Technology (MUST) has developed an automatic irrigation system that uses soil moisture sensors to detect when the soil is dry so that the system can channel water to crops and when enough water has been delivered the system shuts the water supply. A farmer can also operate the system remotely by sending sms messages to the system to initiate appropriate response such as turn on the water pump and open a specified water valve so that water can be channelled to a specified portion of land or close a previously open valve and open a different one so that water can be channelled to a different portion of land. The preferred mode of irrigation is by drip lines where land is subdivided into different parts and water is channelled to each part through an automated water valve which feeds the laid down drip lines.



Field Testing of the developed sensor based automatic irrigation system



Electronic control unit

Automatic Hand Washing Tap

It has been noted that public hand washing places are often unhygienic. Frequent users turning a tap on and off can easily

contaminate it and hence lead to spreading of harmful germs from one person to another. Contactless taps are a preserve of high profile buildings due to their prohibitive costs. Meru University of Science and Technology has developed a simple but efficient and low cost automatic tap for hand washing ideal for schools, hospitals and hotels. The system is fitted with proximity sensors to detect a person approaching the tap and automatically releases the water.

After washing the hands and withdrawing from the tap, the system cuts the water supply. Besides offering a hygienic mode of washing hands, the system also curbs water wastage incurred when taps are left running. The system has low power demands and can be powered by mains electricity, solar, or battery. Existing water taps can easily be automated by incorporation of minimal changes.



Proof of concept prototype

The system, besides reducing water wastage also significantly saves on labour cost. In case something is wrong, for example water cannot be delivered to the crops yet the soil is dry, the farmer receives an alert sms from the system notifying him of the problem so that he can organize to attend to the problem.

The system is in proto-type form. It has been tested in the university farm and exhibited in a number of forums such as Commission of University Education (CUE) annual exhibitions, National Council of Science, Technology and Innovations (NACOSTI) annual science week, Meru annual ASK shows, USAID feed the future innovation engine challenge (2014) among others. The system was ranked as the best innovation in the country in water resource management and was given a cash award of Ksh 1 million as seed money for development of functional proto-type – final version of the prototype before mass production and marketing.



Hygienic automated hand washing tap

LAUNCH OF ALUMNI ASSOCIATION OF MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

The Chancellor, University Council, Vice-Chancellor and the Senate of Meru University of Science and Technology (MUST) cordially invite the Alumni of Meru University of Science and Technology to the launch of the University Alumni Association on 17th December, 2016 at Three Steers Hotel, Meru Town at 9.00 am.

The Guest Speaker will be Prof. Robert Gateru, PhD (Vice Chancellor, Riara University).

The following form the membership for MUST alumni as per the University statutes;-

- (i) Former students of Meru University of Science and Technology (MUST) who are holders of Degrees, Diplomas or Certificates,
- (ii) Former students of Meru University College of Science and Technology (MUCST) who are holders of Diplomas or Certificates,
- (iii) Former students of Meru College of Technology (MECOTECH) who are holders of Diplomas or Certificates,
- (iv) Deputy Vice Chancellors, Professors, Lecturers, Research fellows, Honorary graduates, Librarian, Registrars, Dean of Students and Finance Officer of Meru University of Science and Technology.

THANK YOU NOTE

We thank you for your kind support towards our 4th Graduation Ceremony

- 1. Equity Bank
- 2. K & M Archplans
- 3. Elephant Contractors
- 4. Arid Contractors
- 5. Newspace Creators
- 6. Kenya Police Service and other Kenya Security agencies
- 7. Office of the Meru County Commissioner
- 8. Sunland Roses
- 9. Equinox Flower Farm
- 10. Kisima Flower Farm
- 11. Lolomarik farm
- 12. Quintech Construction
- 13. Co-operative Bank, Meru Branch
- 14. Kenya Commercial Bank, Meru Branch

ACADEMIC PROGRAMMES (JANUARY, MAY AND SEPTEMBER 2017 INTAKES)

SCHOOL OF AGRICULTURE AND FOOD SCIENCE (SAFS)

Postgraduate Programmes

• PhD in Agriculture

Degree Programmes

- Bachelor of Science in Agribusiness Management
- Bachelor of Science in Agriculture
- Bachelor of Science in Animal Health and Production
- Bachelor of Science in Agricultural Education and Extension
- Bachelor of Science in Horticulture
- Bachelor of Science in Food Science and Technology
- Bachelor of Science in Food Science and Management
- Bachelor of Science in Nutrition and Dietetics

Diploma Programmes

Diploma in Agriculture

Certificate Programmes

• Certificate in Agriculture

E-mail: deansafs@must.ac.ke

SCHOOL OF BUSINESS AND ECONOMICS (SBE)

Postgraduate Programmes

- Master of Business Administration (MBA)
- Master of Science in Entrepreneurship

Degree Programmes

- Bachelor of Commerce (BCOM)
- Bachelor of Purchasing and Supplies Management (BPSM)
- Bachelor of Business Administration (BBA)
- Bachelor of Co-operative Management
- Bachelor of Science in Economics

Diploma Programmes

- Diploma in Purchasing and Supplies Management (DPSM)
- Diploma in Business Administration (DBA)

Certificate Programmes

- Certificate in Business Administration
- Certificate in Purchasing and Supplies Management
- Certificate in County Governance
- Accounting Technicians Certificate (ATC) I and II

- Certified Public Accountant (CPA) I, II and III
- Accounting Packages (Quick Books, Sage, Pastel)

E-Mail: sbe@must.ac.ke

SCHOOL OF COMPUTING AND INFORMATICS (SCI)

Degree Programmes

- Bachelor of Science in Computer Science
- Bachelor of Science in Computer Technology
- Bachelor of Science in Information Technology
- Bachelor of Science in Information Science
- Bachelor of Science in Computer Security and Forensics
- Bachelor of Business Information Technology

Diploma Programmes

Diploma in Information Technology

Certificate Programmes

Certificate in Information Technology

E-mail: deansci@must.ac.ke

SCHOOL OF ENGINEERING AND ARCHITECTURE (SEA)

Diploma Programmes

- Diploma in Electrical Engineering
- Diploma in Mechanical Engineering (Production or Automotive options)
- Diploma in Civil Engineering
- Diploma in Mechatronics Engineering
- Diploma in Building and Construction

Certificate Programmes

- Certificate in Motor Vehicle Mechanics
- Certificate in Electrical Installation
- Certificate in Building and Construction

E-mail: engineering@must.ac.ke

SCHOOL OF HEALTH SCIENCES (SHS)

Postgraduate Programmes

- PhD in Public Health
- PhD in Epidemiology
- PhD in Molecular Medicine
- Master of Science in Epidemiology
- Master of Science in Public Health
- Master of Science in Medical Education

Degree Programmes

- Bachelor of Science in Public Health
- Bachelor of Science in Community Health and Development
- Bachelor of Science in Health Records and Information Systems
- Bachelor of Science in Health Systems Management

E-Mail: deanshs@must.ac.ke

SCHOOL OF EDUCATION (SEd)

Degree Programmes

• Bachelor of Education (Science)

E-Mail: sedu@must.ac.ke

SCHOOL OF PURE AND APPLIED SCIENCES (SPAS)

Postgraduate Programmes

- Master of Science in Applied Mathematics
- Master of Science in Applied Statistics
- Master of Science in Entomology
- Post-graduate Diploma in Applied Statistics/ Applied Mathematics

Undergraduate Programmes

- Bachelor of Science in Statistics
- Bachelor of Science in Actuarial Science
- Bachelor of Science in Mathematics and Computer Science
- Bachelor of Science (Biological Science & Physical Science options)

Certificate Programmes

 Bridging in Mathematics, Physics, Chemistry and Biology

E-Mail: deanspas@must.ac.ke

MODE OF APPLICATION

Application forms can be obtained from MUST Main Campus (Nchiru) and MUST Meru Town Campus (Hart Towers) upon payment of a non-refundable fee of Ksh. 2,500 for PhD Programmes, Ksh. 1,500 for Masters Programmes, Ksh. 1,000 for Undergraduate Programmes and Ksh. 500 for Diploma, Certificate and Bridging Programmes. Application forms can also be downloaded from www.must.ac.ke Application fee should be paid by either Bankers Cheque **OR** deposited directly into any of the following University accounts:

Account name: Meru University of Science and Technology

Bank: Equity Bank - Makutano Branch

Account Number: 1040297858661

Account name: Meru University of Science and Technology National Bank of Kenya - Meru Branch

Account Number: 01242039008700

Account name: Meru University of Science and Technology Bank: Co-operative Bank - Makutano Branch

Account Number: 01129378440000

Account name: Meru University of Science and Technology **Bank:** Kenya Commercial Bank - Meru Branch

Account Number: 1117775917

Duly filled forms, copies of certificates and a copy of the application fee receipt should be sent to:

THE REGISTRAR - ACADEMIC, RESEARCH AND STUDENT AFFAIRS, MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY, P.O. BOX, 972-60200, MERU

Notes:				







- P.O. Box 972-60200, MERU KENYA
- 0712-524293, 0719-575764
- @ admission@must.ac.ke, towncampus@must.ac.ke, info@must.ac.ke
- MeruUniversity
- MeruUniversity
- ⋒ www.must.ac.ke

Campuses:

- MUST Main Campus (Nchiru) along the Meru-Maua Highway 15km from Meru Town
- MUST Meru Town Campus Hart Towers

Learning Centre: Marimba

