



Mlimani

Newsletter



Building Global Connections, Advancing Inclusive Education

Celebrating partnerships, innovation, alumni engagement and internationalization at the University of Dar es Salaam



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05. 12. 2026



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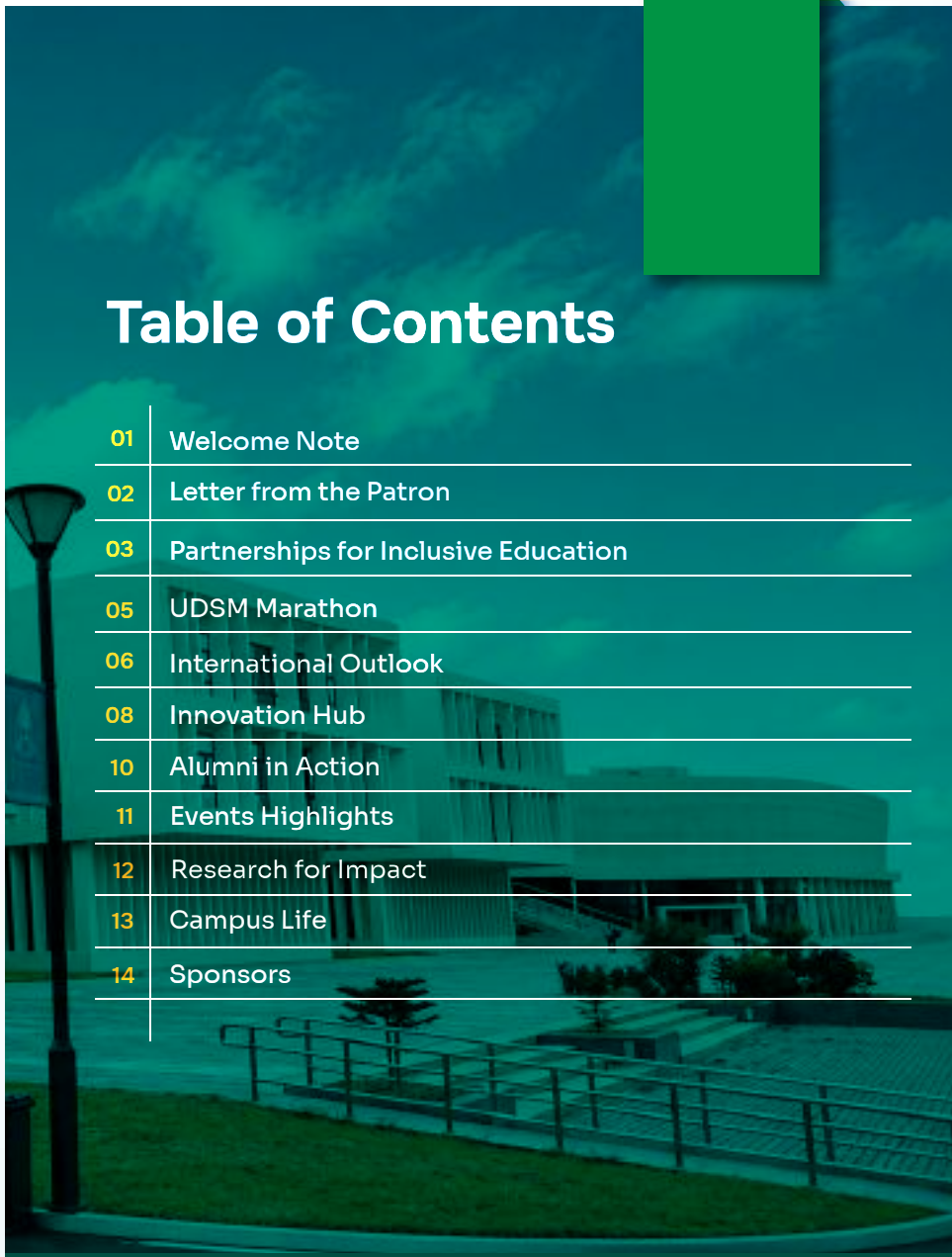


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Welcome to the June 2026 Edition of Mlimani Newsletter

It is my great pleasure to welcome you to this edition of Mlimani Newsletter, a publication which belongs to the University of Dar es Salaam (UDSM) and which captures the vibrant life, achievements, and aspirations of the University community.

At the University of Dar es Salaam, every achievement is a story of collaboration. Behind every milestone reached are dedicated students pursuing excellence, committed staff advancing knowledge, proud alumni making a difference around the world, and valued partners continuing to strengthen our teaching, research, innovation, and public service.

This Newsletter celebrates these collective efforts and the impact they continue to make within the University and beyond.

In this edition of the Newsletter, you will read inspiring stories of academic excellence, strategic partnerships, research and innovation, international collaborations, student life, and alumni engagement. From hosting distinguished global leaders and strengthening international

partnerships to celebrating our graduates, recognizing our partners, and showcasing the vibrant Mlimani experience, the pages in this edition of the Newsletter reflect the state of a university that is continually growing in influence, relevance, and global outlook.

You will also see students experiencing life beyond the classroom, how our alumni remain connected to their alma mater, and how internationalization is enriching teaching, learning, and cultural exchange. Together, the stories in this Newsletter demonstrate our commitment to creating an inclusive, innovatives and globally connected University community.

As you turn the pages in this Newsletter, you are advised to celebrate the achievements and to see yourself as part of the UDSM story. Whether you are a student, an alumnus, a member of staff, a partner, or a friend of the University, your contributions continue to shape our journey and inspire future generations.

We also invite you to stay connected with the University. Visit our serene campus, participate in our mind-sharpening events, engage with us through the UDSM Community Portal and our official social media platforms, and share your own memories and experiences of Mlimani. Together, we will continue to build a stronger, more connected UDSM community and advance our shared vision of excellence and of having a great impact.

Thank you for your continued support. I hope you enjoy reading this edition of Mlimani Newsletter.

Dr. Augustina Clara Alexander
Director, Internationalization, Convocation, and Advancement

Word from the Patron

It is a profound honour to serve as Patron of this edition of the Mlimani Newsletter. I accept this privilege not as a distant well-wisher, but as a proud alumnus whose character and career were shaped on the Hill and who still remembers crossing the Academic Bridge with the quiet conviction that education is a journey made one step at a time.

The pages before you tell a remarkable story. Here is a university that hosted a sitting President of Singapore for a landmark lecture on inclusive growth. UDSM is a university whose final-year student triumphs in a national engineering challenge against entries from more than forty universities, whose researchers are freeing artisanal gold mining from mercury, and whose alumni are delivering safe water to communities across East Africa. It is a university that is carrying Kiswahili into classrooms in various parts of the world. This is not a university resting on its history. It is a university writing the future and every one of us, as alumni, has a stake in that future.

Our elders counselled: “Usisahau ubaharia kwa sababu ya unahodha” Never forget your days as a sailor merely because you have become a captain. Wherever life has taken us, into the public service, enterprise, academia, the professions or communities around the world, we remain sailors of this great vessel called Mlimani. The education we received opened doors for us; thus, the least we can do is hold those doors open for future generations.

I, therefore, make three pleas to my fellow alumni. First, stay connected. Register with the Convocation, engage through the UDSM Community Portal, return to our campus, and share your story. Your visibility alone is an inspiration to those still finding their way. Second, give back. This edition of the Newsletter includes information about scholarships offered to more than 600 economically disadvantaged students and TZS 4.6 billion which was mobilized towards the new Student Centre. Every contribution, a scholarship, an hour of mentorship, an internship placement, and a research partnership constitute an investment in human potential and in the nation itself. Third, inspire. The young innovators featured in the pages of this Newsletter remind us that Tanzania’s next breakthrough may well be born in a Mlimani lecture hall. Let us be the mentors, backers, and champions helping them make that happen.

I commend the Directorate of Internationalization, Convocation, and Advancement and the editorial team for producing a publication that does justice to our alma mater. I also thank the University’s leadership, staff, students, and partners whose dedication fills every page in this Newsletter. To God, be the glory for all that UDSM has been to each of us and for all it is yet to become.

Stay connected. Give back. Inspire. For in the words of our the University’s motto, Hekima ni Uhuru — Wisdom is Freedom. And it is freedom we are duty-bound to pass on to future generations.

Ambassador John R. Ulanga
Director, Department of Economic Diplomacy
Ministry of Foreign Affairs and East African Cooperation Patron,
June 2026 Edition of Mlimani Newsletter



Partnerships for Inclusive Education



The University of Dar es Salaam has recognized its development partners, sponsors, alumni, and friends for their unwavering commitment to advancing the provision of inclusive education and enhancing the quality of student welfare, thereby reaffirming the belief that strategic partnerships are central to the University's transformation agenda.

Speaking during a Stakeholders' Recognition Ceremony held on 26th May 2026, the University Chancellor, Dr. Jakaya Mrisho Kikwete, expressed his profound appreciation to the University's partners for investing in the future of Tanzania through education. He commended the collective efforts that continue to expand opportunities for young people, emphasising that ensuring access to quality higher education is a shared responsibility that requires sustained collaboration between universities, government, industry, and society.

The Vice-Chancellor, Prof. William Anangisye, echoed the Chancellor's sentiments, noting that the generosity and commitment of the partners have significantly strengthened the University's ability to build an empowering learning environment for nearly 45,000 students. He observed that every contribution – scholarships, infrastructure, research, innovation, or student support – has helped advance UDSM's mission of transforming lives through education.



Partnerships for Inclusive Education

Presenting the University's achievements in building an inclusive learning environment, Prof. Bernadeta Killian, Deputy Vice-Chancellor responsible for Administration, highlighted the remarkable progress made through collaborative partnerships. She noted that the University has evolved from supporting only two students with disabilities in 1978 to serving 175 students with disabilities and special educational needs today, alongside a growing and increasingly diverse student population. This progress has been achieved through the adoption of the 2022 UDSM Policy on Disability and Special Educational Needs and expanded support services that have enable every student to participate fully in university life. UDSM currently invests approximately TZS 1 billion annually with a view to providing support services to students with disabilities and to those with special educational needs.

While UDSM has made this substantial institutional commitment, partnerships have been instrumental in complementing the relevant efforts through the provision of assistive technologies, scholarships, modern learning facilities, and inclusive infrastructure. Among the notable achievements realized through these partnerships are scholarships given to more than 600 economically disadvantaged students and the mobilization of approximately TZS 4.6 billion towards the construction of a Student Centre, a flagship facility that will provide integrated services and space for learning, innovation, recreation, and student wellbeing.

Speaking on behalf of the partners, Mr. Simon Shayo, the Vice-President of AngloGold Ashanti and Geita Gold Mining Limited (GGM), reaffirmed the company's commitment to supporting the University and investing in initiatives that improve access to quality education and develop the next generation of skilled professionals. He underscored the importance of partnerships between industry and higher education institutions in nurturing talent, fostering innovation, and contributing to Tanzania's sustainable development.

In her closing remarks, the Chairperson of the University Council, Mwanaidi Sinare Maajar, applauded the University's partners for their continued confidence in UDSM and called upon more institutions, organizations, and alumni to be part of the University's development journey. She noted that investing in inclusive education is ultimately an investment in human potential, social equity, and the nation's future.



The ceremony concluded with issuance of certificates of recognition to the partners and sponsors whose contributions continue to make the University of Dar es Salaam a more inclusive, accessible, and student-centred institution. As well as celebrating past achievements, the event helped to reaffirm a shared commitment to strengthening partnerships that will help expand educational opportunities and transform lives in the interest of future generations.



UDSM MARATHON 2026

Join us in promoting inclusive education by supporting students with disabilities and those facing financial hardship at the University of Dar es Salaam.

Will you run, sponsor, partner, volunteer, or donate?

Together, we can give every student a chance to Excel.



Contact Us

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UDSM New Library Grounds



UDSM Hosts Singapore's President during a Landmark Public Lecture



The University of Dar es Salaam reached another historic milestone on 9th June 2026 by hosting His Excellency Tharman Shan-mugaratnam, President of the Republic of Singapore, who gave a distinguished public lecture at the University Library Auditorium.

The event, held under the theme "Invest-ing in the Drivers of Inclusive Growth," was part of the activities undertaken during the President's State Visit to Tanza-nia. It reaffirmed UDSM's position as the country's leading intellectual platform for dialogue on issues shaping national, regional, and global development.

Addressing an audience comprising gov-ernment leaders, diplomats, academics, students, researchers, and development partners, President Tharman challenged Africa's youth to view today's global uncer-tainties not as obstacles, but as opportu-nities with which to transform their coun-tries.

He emphasized that Africa's greatest asset is its youthful population and argued that investing in people's capabilities rather than academic credentials alone will deter-mine the continent's future competi-tiveness and prosperity. He called for the development of higher education systems that equip graduates with practical skills, innovation, and adaptability to meet the demands of the rapidly changing labour markets.

The President also noted that inclusive growth must be driven by strategic investments in education, renewable energy, digital transformation, regional integration, and good governance. He highlighted Africa's unique opportunity to leapfrog traditional development by embracing clean energy, strengthening public-private partnerships, expanding intra-Africa trade through the African Continental Free Trade Area, and creating stable institutions that inspire investor confidence and sustainable economic growth.

In a message that resonated strongly with the University's mission, President Tharman expressed confidence in Africa's future, noting that the continent has the advantage of building for tomorrow rather than being constrained by legacy systems. He reaffirmed Singapore's commitment to partnering with African countries, including Tanzania, in pursuing sustainable development and creating opportunities for future generations.



For the University of Dar es Salaam, this was a testament to the University's growing international standing as a platform for thought leadership, policy dialogue, and global engagement. The lecture reinforced UDSM's commitment to nurturing future leaders, generating knowledge used to address societal challenges, and fostering international partnerships that contribute to inclusive growth and sustainable development in Tanzania, Africa, and beyond.



Partnerships for Impact

Visit the University of Dar es Salaam today and the one thing that becomes immediately clear to you is that internationalization is no longer about signing agreements; it is, rather, about making an impact. The University continues to strengthen its international outlook through a more focused and results-oriented approach to partnerships. While it has signed an extensive body of over 300 Memoranda of Understanding (MoUs) with institutions worldwide, the current efforts are directed towards ensuring that these collaborations deliver tangible academic, research, and community benefits.



UDSM signed an agreement with the Western Norway University of Applied Sciences to strengthen a shared commitment to excellence in teaching, learning, and research.



UDSM Vice-Chancellor signs an agreement with FAO to advance Tanzania's blue economy through the launch of the TanFishMarket Digital Platform that connects fishers, traders, buyers, and regulators.

From Signatures to Substance

There is a growing emphasis on moving beyond formal agreements to active and well-coordinated partnerships, structured around shared priorities, co-creation of knowledge, and measurable outcomes. Colleges, schools, and directorates are working closely with international partners to align collaborations with institutional priorities, including the quality of teaching, research relevance, and innovation. Mechanisms have been devised to track implementation and ensure that partnerships contribute significantly and meaningfully to the University's core functions, notably teaching, research and public service.



A visit to the University of Dar es Salaam by a delegation from the International Atomic Energy Agency to reaffirm the criticality of collaboration in Medical Physics and Nuclear Medicine training.



The Italian Ambassador, Mr. Giuseppe Coppola, speaks to members of the University Management during a visit to the Renewable Energy Lab, set up under the UMEME project implemented by UDSM, and Sapienza University of Rome, and other Italian Institutions.

In addition to being involved in North-South partnerships, the University is strengthening collaboration with various institutions in Africa and other regions of the Global South in a bid to recognize the importance of shared experiences and locally grounded innovations. By working with the partners found across Africa and other regions of the Global South, UDSM contributes to knowledge exchange and to the development of context-specific solutions that are both relevant and scalable.

Speaking to the World

Beyond the area of science and technology, UDSM is also shaping global cultural connections. As a leading hub for the Kiswahili language, the University plays a pivotal in advancing the African Union's vision of making Kiswahili a widely used international language. Today, UDSM supports more than 20 institutions across Africa, Europe, Asia, and beyond, from South Africa to China, and from Germany to Indonesia, in teaching the language. This is internationalization in its real sense, for it makes it possible for the country to share knowledge, culture, and identity with the world.



The Kiswahili language sessions organized during the James Madison University Summer School at UDSM create meaningful connections whereby language becomes a bridge uniting cultures, perspectives, and global friendships.

Where Ideas Meet the World

The University of Dar es Salaam has long believed that knowledge without application is an opportunity lost. Over the years, UDSM has built an ecosystem through which research, entrepreneurship, and industry converge, not by accident but by design. From structured incubation programmes to international knowledge-sharing forums, the University has positioned itself as Tanzania's foremost engine of innovation, nurturing a generation of thinkers who are bold enough to build solutions and who are resilient enough to see them through.

Two recent milestones capture this spirit clearly. One stretches across continents and involves a high-level partnership with Sweden turning academic dialogue into a market-ready enterprise. The other milestone shines bright on the main campus. It is a startup challenge that drew hundreds of young innovators and reminded the country that Tanzania's next economic breakthrough may well be born in a university lecture hall.



H.E. Charlotta Ozaki Macias, Swedish Ambassador to Tanzania, being welcomed to UDSM by Prof. Nelson Boniface, Deputy Vice-Chancellor responsible for Research.

Leading the dialogue were H.E. Charlotta Ozaki Macias, the Swedish Ambassador to Tanzania; Prof. Nelson Boniface, Deputy Vice-Chancellor responsible for research; Sandi Zaranyika from the private sector; and Dr. Erasto Mlyuka, who represented COSTECH. Together, they reflected the university-industry-government triangle that turns good ideas into economic growth.



H.E. Charlotta Ozaki Macias speaks during the Sweden-Tanzania innovation forum.

"The engagement signaled a decisive shift from dialogue to action, focusing on transforming research into market-ready solutions that create jobs and drive inclusive economic growth," reads the forum communiqué in part.

The participants had a shared message, noting that structured partnerships, investment-ready innovations, and technology transfer were no longer aspirational targets; they were, rather, urgent imperatives. UDSM reaffirmed its role not merely as a centre of learning, but as an active engine of enterprise development that has aligned its research agenda with real societal and market needs.

The Sweden-Tanzania forum is more than a diplomatic exchange. It is a signal to the region that UDSM's innovation ambitions have a global stage in focus and that the world is paying attention.

When a Campus Becomes a Launchpad: The iMbeju-UDSM Startup Challenge 2026

If the Sweden-Tanzania forum showed where UDSM's innovation ambitions are headed international-ly, the 2026 iMbeju-UDSM Startup Challenge showed the raw material driving the ambitions from within. Held on the main campus and drawing an extraordinary response from



young entrepreneurs from across the country, the Challenge was more than a competition; it was a declaration that students are writing the next chapter of Tanzania's economic story.

The 2026 iMbeju-UDSM Startup Challenge proves that Tanzania's most powerful innovations are born at the University. In just ten days, the platform recorded 140 submissions from UDSM students and alumni.



Prof. Adolf Mkenda, Minister for Education, Science, and Technology, addresses innovators during the 2026 iMbeju-UDSM Startup Challenge.

The energy in the room matched the numbers. Prof. Mkenda challenged the participants to keep their eyes on real-world problems, noting that impactful and sustainable ideas naturally attract funding. UDSM Vice-Chancellor Prof. William Andey Lazaro Anangisye reaffirmed the University's commitment to driving national development through innovation, urging the youth to embed patriotism and purpose in everything they build.

"Success lies in relevance and long-term value rather than in capital. Solve a real problem and funding will follow," reads the Minister's speech in part.

From a student-built mini tractor tackling agricultural mechanisation to digital solutions to logistics, healthcare and energy access, the Challenge was a vivid reminder that UDSM is both a place of learning and a place for innovation.



No part of this would have been possible without the decisive financial support provided by the CRDB Bank Foundation, the principal sponsor of the 2026 iMbeju-UDSM Startup Challenge. TZS 4B+ has been mobilised for innovation purposes. Their investment in youth-led innovations reflects a shared commitment with UDSM in support of young entrepreneurs.

UDSM's innovation journey is not a single event; it is a movement. From international boardrooms to the campus pitching floors, the University is proving that knowledge and enterprise are not just compatible, but rather that they are inseparable.

The Future Alumni Already Making History at UDSM

The Alumni Corner not only celebrates those who have already crossed the graduation stage, but it also shines some light on exceptional students who are still within our walls and whose achievements today are already shaping the story of tomorrow. In this edition of the Newsletter, we proudly feature Tukay David Thomas, a final-year Civil Engineering student at the College of Engineering and Technology (CoET) who, before earning his degree, has already stood on a national podium as Tanzania's top young engineer.

Built to Solve: How Tukay Thomas Won Tanzania's Toughest Engineering Challenge

Before graduation, this CoET final-year student became the first-ever winner of the National Foleni Challenge, bagging TZS 10 million and putting UDSM on the podium.



Tukay David Thomas receives the overall winner's prize from the Minister for Works, Hon. Abdallah Ulega (MP), at the award-presenting ceremony in Dodoma.

When the Ministry of Works launched the National Foleni Challenge, a national competition calling on university students to propose innovative solutions to Dar es Salaam's traffic congestion crisis, 561 submissions were received from 38 local universities and four international institutions, with 176 submissions advancing to a detailed evaluation stage. Only one could claim the top prize. The winner was Tukay David Thomas, a student who has not yet earned his degree but who has already proven what UDSM education is worth.

Thomas' proposal stood out not only for its ambition but also for its structured thinking. Rather than offering a single solution, Thomas built a comprehensive four-pillar framework covering engineering infrastructure, smart traffic systems, urban planning, and management and governance, thereby ensuring every part of the problem was addressed with solutions grounded in Tanzania's local reality.

"I did not want to present ideas that looked good on paper but impractical on the ground. That commitment to realistic, actionable solutions is what I believe sets my submission apart from the rest."
Tukay David Thomas



The competition drew recognition from the highest levels of government. Minister for Works Hon. Abdallah Ulega, who personally presented Thomas with the TZS 10 million prize, a trophy, a laptop and additional support pledges, made it clear the challenge was designed precisely for students like him, young people with the energy and patriotism to help build Tanzania's future before they have even formally entered the workforce. UDSM dominated the Challenge, claiming seven of the top-ten positions nationally.

UDSM Deputy Vice-Chancellor Prof. Bernadeta Killian described the grand success as proof of the quality of UDSM's curriculum and the depth of its academic-industry linkages. At the same time, Thomas himself appreciated both his practical field training and the steady mentorship of his father, Senior Tukay Thomas, whose deep knowledge of urban planning has shaped the engineer he is becoming.

He closes his own account with quiet confidence: "This win is only the beginning." UDSM has no doubt he means it.

The Engineering Journey of our Alumnus Seleli Andrew

When Engineer Seleli Andrew began his studies in Civil and Water Resources Engineering at the University of Dar es Salaam, he was entering a field defined by equations, structures, and systems. Nearly two decades later, his work has evolved into something far broader than that: providing reliable water and sanitation solutions that directly shape public health, environmental sustainability, and community resilience across Tanzania. As a Registered Consulting and Professional Engineer with the Engineers Registration Board (ERB), Engineer Andrew has built a career grounded in solving one of East Africa's most persistent challenges concerning access to safe and sustainable water services.



Inauguration of the Butimba Water Treatment Plant (48 MLD capacity), a conventional treatment facility designed to address water quality challenges. In the photo, Engineer Andrew of ICE Project Services Ltd (first from right) poses with project partners, including Egis (France).

Building the Vision

"Engineering projects require a combination of technical analysis, field investigation and professional judgment to ensure feasibility and sustainability," Engineer Andrew.

Early in his career, Engineer Andrew realized that infrastructure is not just about construction but also about achieving a long-term functionality, environmental responsibility, and social impact. This realization pushed him beyond traditional engineering pathways, thus seeing him pursue advanced training in Environmental Engineering and Environmental Management for Sustainable Development at UNEP – Tongji University. This dual expertise positioned him at the intersection of engineering design and sustainability, hence allowing him to approach projects not just as technical systems but as integrated solutions combining performance, ecosystems and community needs.



Engineer Andrew assesses a potential water source at Weruweru near Mount Kilimanjaro, as part of the efforts to secure a reliable water supply for Arusha and Kilimanjaro.

Technical Expertise to Leadership

With over 18 years of experience, Engineer Andrew has assumed senior roles, including being a Chief Design Engineer, a Water Engineer and a Project Director. His work spans the full infrastructure lifecycle ranging from feasibility studies, environmental and social impact assessments, and detailed design, to construction supervision of water supply and sanitation systems. In 2015, he founded ICE Project Services Limited, a multidisciplinary engineering consulting firm that delivers civil and mechanical engineering solutions across Tanzania and the wider East African region. Under his leadership, the firm has built a strong reputation for quality service provision, supported by ISO 9001:2015 certification. What sets his work apart is not just execution, but integration as well. Projects are delivered through a combination of engineering design, field supervision, cost control, and environmental and social safeguards so that infrastructure performs reliably under real-world conditions.

Operating at International Standards

Engineer Andrew's portfolio includes high-value projects financed by global institutions such as the World Bank and the African Development Bank. His expertise in procurement systems, environmental safeguards and compliance frameworks helps ensure that projects meet strict international standards. Engineer Mwakagenda is also highly experienced in contract administration under FIDIC Conditions of Contract, which enables him to manage risk, coordinate stakeholders, and translate complex technical designs into operational infrastructure.



Engineer Andrew participates in an international water-sector forum held in Kampala, Uganda, together with his project partner from France.



An experience-sharing session involving professionals seeking innovative solutions for addressing the ever-increasing demand for water.

Lessons Learnt and Advice to Young Engineers

At the core of Engineer Andrew's approach is a principle that has remained constant since his early training: engineering decisions must be logical, data-driven, and defensible. Whether designing a water distribution network or supervising construction, he applies the same mindset: understand the fundamentals, validate assumptions, and provide solutions that work beyond the drawing board.

For young engineers and students, his message is direct: Stay grounded in fundamentals, but be flexible while applying them. Engineering is not just about calculations; it is about solving real problems under real constraints. So, an engineer has to learn to connect theory with practice and always consider the long-term impact of his or her work on people and the environment.

EVENTS HIGHLIGHTS

From organizing memorable graduation ceremonies and vibrant alumni engagements to providing international cultural exchanges and global learning opportunities, the University of Dar es Salaam continues to provide students with experiences that extend beyond the classroom. Here are highlights of the recent activities that reflect the University's commitment to academic excellence, community engagement, and internationalization.

Graduation

Thousands of graduands went on stage to make a successful end of their academic journey, ready to join the growing global community of UDSM alumni.



The 55th Graduation Ceremony celebrated academic excellence and welcomed a new generation of UDSM alumni.

Summer School: Learning Without Borders

The 2026 UDSM Summer School brought together students and scholars from different countries for academic exchange, collaborative learning, and cross-cultural engagement.



An officer welcomes students from the University of Washington and Lee to the University of Dar es Salaam, ahead of their summer school programme. The session marked the start of an academic exchange experience within the university's scenic campus grounds.

Alumni Return to Mlimani:

From time to time, former students return to campus to reconnect with their alma mater, engage with the current students, and contribute to the University's development through mentorship, network-ing, and partnerships.



UDSM Alumna Ms. Joanith Ashimire Kisa from Uganda and her family during their visit to the Department of Mathematics, College of Natural and Applied Science (CONAS).

Discovering Tanzania Beyond the Classroom

International students explored Tanzania's rich natural and cultural heritage through educational visits to iconic tourist destinations to enrich their study experience and appreciation of the country.



International students enjoy a sweet taste of Tanzania's unique heritage during the 2026 unforgettable Bagamoyo tour.

Students Debate

The University continued to nurture critical thinking and leadership through debates and public dialogue. UDSM Debate Society hosted the Mlimani Open II Debate Championship which brought together students and coaches from USA, Kenya, Uganda, and Tanzania



U.S. Chargé d'Affaires Mr. Lentz with participants of the Mlimani Open II Debate Championship.

Global Partnerships: An Academic Exchange

Staff from the University of Dar es Salaam visit various foreign universities under the Erasmus Mobility Programme to foster collaboration, knowledge sharing, and stronger institutional ties.



UDSM staff engage in brain-challenge activities during their visit to IBA, Denmark.

International Week: Celebrating Diversity

Partners, students, and staff from around the world engage in and celebrate their cultures through music, dance, traditional attire, and cuisine.



A representative from Russian Cultural Centre speaks during the opening of the 2026 Internationalization Week.

Engineering a Mercury-Free Future: UDSM's Innovation Transforms Artisanal Gold Mining

Researchers at the University of Dar es Salaam are helping transform Tanzania's artisanal and small-scale gold mining (ASGM) sector through an innovative gold extraction technology that promises to improve productivity, protect the environment, and safeguard the health of mining communities.



Leading the team, Dr. Alphonse Wikedzi developed the Hybrid Vat Leaching Technology, useful for addressing one of the sector's most persistent challenges, i.e. continued reliance on inefficient processing methods and the use of mercury, a hazardous chemical that poses serious risks to both human health and the environment. The new technology introduces a modern leaching system that combines continuous mechanical agitation, real-time filtration, and controlled reagent dosing to significantly improve gold recovery while reducing processing time and operational costs. Unlike conventional batch systems that typically take two to four days to complete the leaching process, the Hybrid Vat Leaching Technology achieves gold recovery of over 90 percent within just 12 to 24 hours, hence a major improvement in efficiency.

As well as increasing productivity, the innovation supports cleaner and safer mining practices. The mercury-free system reduces cyanide consumption by up to 40 percent, lowers operational costs by as much as 50 percent, and eliminates the need for mercury during gold extraction. Its modular and closed-loop design also minimizes environmental contamination while improving workplace safety for miners.



Pilot implementation at the SOJEM Investment Company has demonstrated the potential of the technology to transform artisanal mining into a more sustainable and profitable enterprise. Financial assessments indicate that the new technology can generate substantially higher returns than conventional processing methods, thus providing a practical pathway for improving livelihoods while also promoting responsible resource extraction.

The innovation aligns with Tanzania's commitment to implementing the Minamata Convention on Mercury and contributes to the country's Vision 2050 by supporting cleaner production of gold, environmental stewardship, and sustainable industrial development.

This breakthrough reflects UDSM's growing contribution to solving national challenges through research, innovation, and technology transfer. By developing solutions that respond directly to industry needs, UDSM researchers continue to demonstrate how university-based innovation can have a tangible economic, environmental, and social impact on Tanzania and beyond.



UNIVERSITY OF DAR ES SALAAM

The University of Dar es Salaam, through the Directorate of Public Services (DPS), offers a wide range of professional courses designed to build skills for the public and private sectors. The courses are facilitated by experienced academics and industry practitioners.

CORE TRAINING SERVICES

- ◆ Professional Short Courses: Practical 1–4 week courses designed to upgrade specific professional and academic skills.
- ◆ Tailor-made Courses: Customized courses intended to address specific business needs and challenges of organizations or corporations.

UPCOMING COURSES

S/N	PROFESSIONAL TRAINING PROGRAMMES	DATES
1	3D Event Visualization and Design	31 Aug – 4 Sept 2026
2	Digital Marketing with Generative AI	31 Aug – 4 Sept 2026
3	Microsoft Project for Effective Project Management, Planning & Control	31 Aug – 4 Sept 2026
4	Citywide Inclusive Sanitation (CWIS): Sustainable Urban Sanitation Planning, Service Delivery and Management	7–11 Sept 2026
5	Management Excellence Programme (MEP): A Short Course on Foundations of Managerial Effectiveness	14–18 Sept 2026
6	AI-Powered Academic Success: Essential Skills for Pre-University Students	15–18 Sept 2026
7	Advanced Trade Intelligence and Market Access Analytics Using Trade Map, Market Access Map and ePing	23–25 Sept 2026
8	Leading for Results and Impact	18–20 Nov 2026
9	Competency-Based Training in Pediatric Critical Care and Pediatric Cardiac Intensive Care Nursing	28 September 2026 – 7 May 2027
10	Visionary Leader Programme	January 2027

APPLICATION & COURSE CATALOGUE

Explore the courses on offer through the Course Catalogue available online.

For More Information & Enquiries:

✉ dps@udsm.ac.tz



Scan the QR Code to Register and Apply

Landmarks that Shape the Mlimani Experience

For generations of students, the University of Dar es Salaam has been more than a place to earn a degree. Instead, it has also been a place where dreams take shape, friendships are forged, and lifelong memories are created. Affectionately known as Mlimani, the main campus is home to iconic landmarks that have quietly witnessed countless academic journeys and become symbols of life at the University.

The landmarks are more than buildings, pathways, or gathering spaces. They are living symbols of the University's heritage and experiences that define life at Mlimani. They have witnessed late-night discussions before examinations, celebrations after successful academic defences, lifelong friendships, and aspirations of thousands of graduates who have gone on to serve Tanzania and other countries around the world.

"Every student has a favourite place on campus."



For some, it is the M-Degree tree, a familiar meeting point where lectures begin, friendships are formed, and countless conversations about assignments, research ideas, and future aspirations take place. Whether waiting for classmates, celebrating examination results, or simply taking a break between lectures, the M-Degree tree has become one of the most recognizable symbols of the UDSM student experience.



Others cherish Nkrumah Hall, a landmark that has welcomed generations of students to public lectures, debates, cultural events, student assemblies, and orientation sessions. It is at Nkrumah Hall that ideas are exchanged, leaders are nurtured, and the vibrant intellectual university life comes alive. For many alumni, Nkrumah Hall holds memories of their first university orientation, memorable presentations, or moments that shaped their confidence and leadership.

Then there is the Academic Bridge, definitely one of the most symbolic structures on campus. More than a physical link between different parts of the University, the Academic Bridge represents the journey every student undertakes from curiosity to knowledge, from challenges to achievements, and from being a student to becoming a graduate, well-equipped to make a difference in society. Every crossing is a reminder that education is a continuous journey built one step at a time.



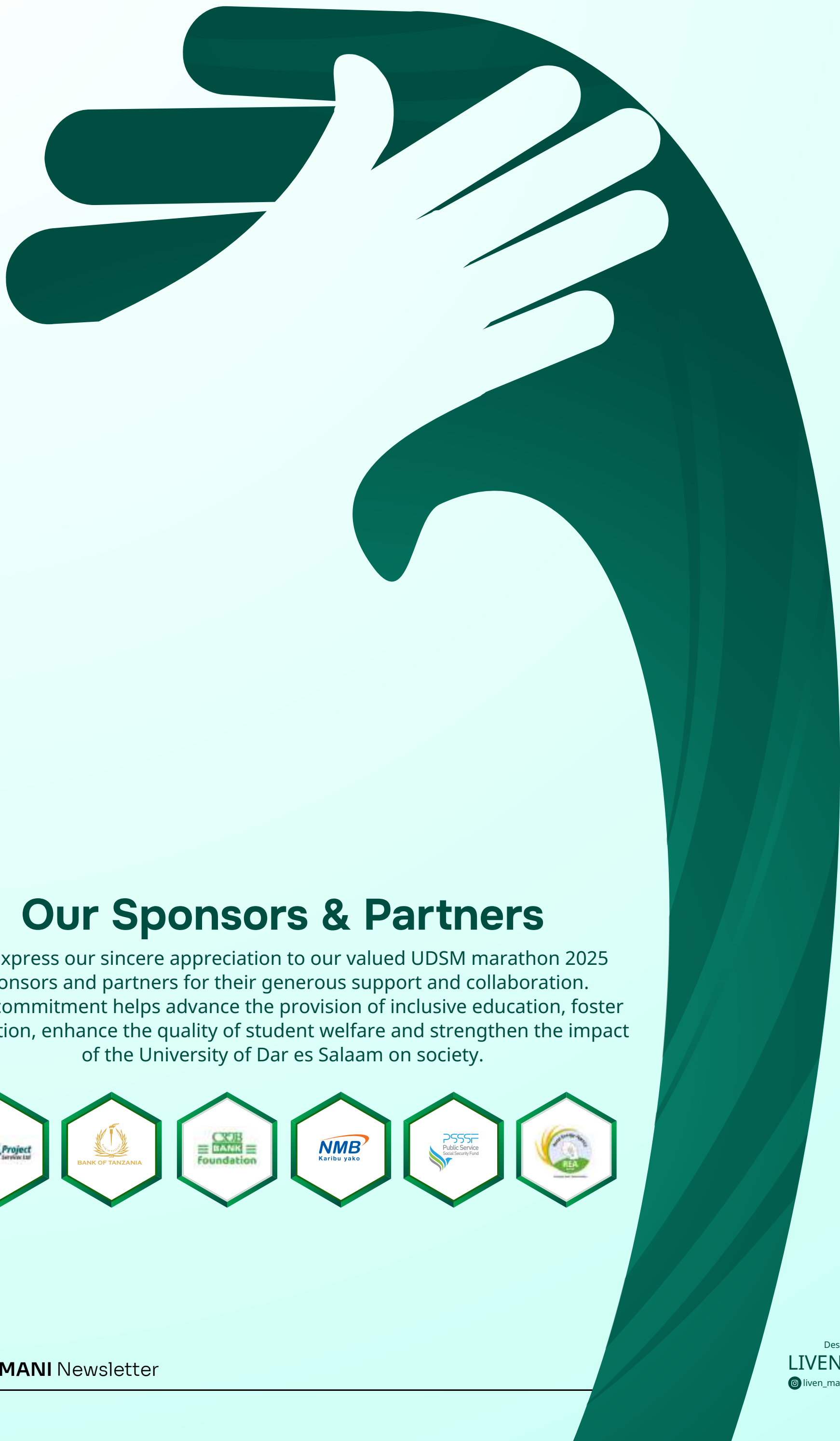
Whether you are a current student, an alumnus, a member of staff, or a visitor, every corner of Mlimani has a treasure waiting to be discovered by you. The next time you visit the University of Dar es Salaam take a moment to walk through these iconic landmarks and relive the memories that made your journey unique.



Some journeys never leave us.

This familiar pathway has guided generations of UDSM students to classrooms, discoveries, lifelong friendships, and brighter futures.

***What does Mlimani remind you of?
Which landmark tells your UDSM story better?***



Our Sponsors & Partners

We express our sincere appreciation to our valued UDSM marathon 2025 sponsors and partners for their generous support and collaboration. Their commitment helps advance the provision of inclusive education, foster innovation, enhance the quality of student welfare and strengthen the impact of the University of Dar es Salaam on society.





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