

July 26th – August 01st 2025

Students Demonstrate Competence Through Hands-On Summative Exams Under CBET Curriculum



A group of students demonstrate how to join pipes using a pipe welding machine as part of their summative examination requirements. Adoption of the Competency-Based Education and Training (CBET) curriculum which emphasizes on hands-on, practical-first approach is transforming how students are prepared for careers in the water and sanitation sector.

BY: FAITH TAUNET &
KORIR KIPKIRUI

"The future belongs to those who learn more skills and combine them in creative ways," -Robert Greene

The Kenya Water Institute (KEWI) is redefining technical and vocational training through full adoption of the Competency-Based Education and Training (CBET) curriculum. This hands-on, practical-first approach is transforming how students across its campuses—including

Nairobi and Chiakariga—are prepared for careers in the water and sanitation sector.

By focusing on applied learning, KEWI is producing industry-ready graduates equipped to meet the rising demand for skilled labor in plumbing, pipefitting, and water infrastructure services.

At KEWI Nairobi Campus, first-year students in Plumbing and Pipefitting Level 1.1 are currently

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undertaking rigorous summative practical assessments. These assessments test their proficiency in critical areas such as installing sanitary appliances, welding, assembling siphons, connecting magic connectors, and mounting handwash basins. These tasks are drawn from six foundational practical units, all designed to translate theory into real-world application—aligning directly with the core aim of the CBET curriculum.

“By introducing this at Level 1.1, students begin developing

practical competencies early,” said a KEWI instructor overseeing the practicals. “By the time they graduate, they are efficient, confident, and ready to enter the workforce.”

The CBET model, adopted nationally in Kenya’s Technical and Vocational Education and Training (TVET) sector, allocates 90% of instruction to hands-on experience, and just 10% to classroom theory. This marks a radical shift from the traditional education system that prioritized memorization

and written exams. In CBET, students are assessed continuously through performance-based evaluations that mirror field conditions.

This new approach is also well underway at KEWI Chiakariga Campus, where plumbing and pipefitting students recently completed a welding practical as part of their August semester academic program. Led by lecturer and official assessor Mr. Kuria Anthony, the session focused on core welding competencies, including arc

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and gas welding, joint preparation, metal cutting, and adherence to safety protocols.

“This exercise is not only about skill—it’s about discipline, accuracy, and safety,” said Mr. Kuria. “It’s encouraging to see students applying what they’ve learned with such focus.”

Students were assessed on a range of capabilities, from reading technical drawings and properly handling equipment to the quality of their welds. Their performance will significantly impact their final semester grades, forming part of KEWI’s continuous assessment framework.

“Being in the workshop helped us understand how this skill is used in real-world water and construction projects,” shared Patrick Musili, a Chiakariga student. Many students echoed his sentiment, highlighting how the practicals boost their confidence and understanding of professional standards.



Students during their practical assessment on welding skills at Nairobi Campus.

Beyond enhancing employability, CBET is designed to promote innovation, entrepreneurship, and self-reliance. KEWI envisions a future where graduates are not just job-seekers but also job-creators. With solid, demonstrable skills in their toolkit, many alumni are already starting their own businesses or quickly integrating into construction, water services, and infrastructure projects.

“Our students are no longer waiting for opportunities—they’re creating them,” said a KEWI instructor. “CBET allows them to hit the ground running.”

The CBET transition comes at a time when Kenya’s national development agenda, especially Vision 2030 and the Bottom-up Economic Transformation Agenda (BETA), is pushing for practical skill acquisition and alignment of education with industry needs. KEWI’s leadership



Chiakariga Campus students during their practical assessment on surveying skills.

in implementing this model positions the institute as a central player in advancing Kenya’s water and sanitation sector.

Looking ahead, KEWI plans to roll out CBET across more programs including Water Engineering, Wastewater Management, and Hydrology. With each cohort, the institution is setting a new benchmark in technical education, blending theory with immersive experience and preparing a workforce that is not only competent but competitive in today’s dynamic job market.

By integrating real-world scenarios, simulations, group tasks, and performance-based assessments from the outset, KEWI is not just teaching skills—it’s shaping the next

KEWI Kisumu Begins a New Chapter as Eng. Orwa Takes Over Leadership from Trailblazer Dr. Chepkoech



Newly appointed Kisumu Campus Principal, Engineer Everlyne Orwa receives her appointment letter from Deputy Director Corporate Services, Dr. Kimeli M. Chirchir. She takes over from the immediate principal Dr. Emily Chepkoech (3rd right). Looking on is Deputy Director Academic Affairs Mr. Eric Wamiti.

BY: OTIENO FREDRICK

It was a culmination of a glorious age as Kisumu Campus Principal Dr Emily Chepkoech handed over the reigns to her successor Eng. Everlyne Orwa. A sense of history was palpable in the room as staff came to terms with the imminent departure of the now immediate former Principal.

Beyond the many glowing faces that were somewhat at odds with the steely approach to duty that the campus is

known for, it was evident that the family model that had been in operation for so long was yielding results. The occasion was graced by Deputy Director Corporate Services, Dr. Kimeli M. Chirchir, and the Deputy Director Academic Affairs Mr Eric Wamiti.

In his remarks, the DDCS lauded the outgoing Principal for installing a supportive and healthy environment that allows growth and efficiency. Dr. Chirchir noted with great satisfaction that the zero

incidences of indiscipline from Kisumu Campus staff over the years. This, he noted, had had a knock-on effect on students who have similarly displayed high levels of discipline. The DDCS counselled the staff to maintain stay in this trajectory, lauding it as a foundation for continued excellence and offered the CEO's sincere commitment to support the staff to grow.

“The CEO sincerely wanted to be here, but due to exigencies of service, he had to

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make the painful decision of sending us to represent him” the DDCCS stated. In a calmly worded speech delivered in a deeply conversational tone, Dr Chirchir counselled staff to spare no effort toward career growth. The DDCCS further urged staff to align their personal goals with overall KEWI mandate through personal development.

While delivering his remarks, the DDAA took the opportunity to reflect on his three decades long journey in teaching to encourage academic staff to maintain strong work ethic. To this end, the DDAA outlined the significance of good record keeping. As an indispensable component of effective teaching, the DDAA declared that record keeping was key to effectual tracking of learners’ progress, guiding the teaching process, and strengthening accountability.

The DDAA further noted that the use of Class Registers, Learning Guides, Learning Plans, Session Plans, and Records of Work Covered facilitated tracking of individual student progress, exposed areas requiring



Outgoing Kisumu Campus Principal, Dr. Chepkoech is congratulated by Deputy Director Academic Affairs Mr. Eric Wamiti during the handover ceremony at the campus. With her is Dr. Chirchir.

improvement, and adjustment of teaching methodologies to diverse contexts.

Reminiscing on his long practice in education, the DDAA also acknowledged the intangible rewards associated with teaching and specifically idealized positive feelings of achievement, recognition, and fulfillment.

Outgoing Principal, Dr. Emily Chepkoech recalled with gratitude, the realization of her singular dream to nurture leaders in the Campus.

Through an intricate process that focused on growth and responsiveness, Dr Chepkoech observed that

the process had began yielding dividends, as several staff had embarked on self advancement programs ranging from PhD to Bachelors degree programs. The principal further thanked the team for working in synchrony to accelerate realization of KEWI mandate. The principal concluded her remarks by acknowledging staff as family and observed with great sense of pride the coming to age of a truly functional team.

While delivering her maiden remarks, incoming Principal, Eng. Orwa assured the staff of continuity, emphasizing the importance of teamwork in helping Kisumu to scale higher.

Shape the Future of Water: Apply to KEWI this September

BY: BRITNEY MOKEIRA

Kenya Water Institute (KEWI), the country's leading institution in water sector training, is pleased to announce that applications for the September 2025 intake are open. With increasing demand for qualified professionals in water, sanitation, and environmental management, KEWI continues to set the standard in offering hands-on, industry-relevant training that prepares students for impactful careers in the public and private sectors.

As the best institute offering specialized courses in water and environmental engineering, KEWI provides a comprehensive range of programs tailored to meet the evolving needs of the water sector. These include diploma and certificate courses in Water Engineering Technology, Wastewater and Sanitation Engineering Technology, Irrigation and Drainage Engineering Technology, Water Resources Management, and Water Laboratory Technology. For those seeking skills-based training, the institute also offers artisan courses in Plumbing and Pipefitting Technology, Water and Wastewater Management Technology, and the Water Operator Course. Each program is designed to blend classroom learning with practical fieldwork, giving students a strong technical



A display of the programs on offer at KEWI. The institutes September 2025 Intake is currently underway across all campuses.

foundation and industry exposure.

KEWI offers some of the best training facilities in the region. Students benefit from access to modern engineering laboratories, well-equipped water testing labs, simulation units for practical demonstrations, and digital resource centers. These facilities not only support quality education but also ensure that graduates are job-ready and capable of driving innovation and sustainability in the water sector.

“Studying at KEWI has been a life-changing experience. The training is not only academic but also practical and relevant to today’s world. KEWI doesn’t just prepare you for a job; it prepares you to make an impact,” says the Chairperson of the KEWI Students’ Association. This statement reflects the institute’s commitment to excellence and

its student-centered learning approach, which has positioned KEWI as the preferred institution for water-related studies in Kenya.

Applications for the September 2025 intake are open to qualified candidates from across the country. Prospective students can apply by visiting the KEWI website at www.kewi.or.ke to download the application form or submit their applications online. Interested applicants are encouraged to apply early and ensure they meet the stated requirements before the deadline. For further inquiries, KEWI can be reached via email at admissions@kewi.or.ke or by phone at 0735339206 or 0722207757

Don’t miss this opportunity to join a community of future water professionals dedicated to making a difference. At KEWI, we don’t just teach—we train water champions. Be part of the solution. Be part of KEWI.

KEWI Advances Public Procurement Reform Through Systematic Rollout of e-Procurement

BY: RACHEL RESIATO

The Kenya Water Institute (KEWI) has taken a significant step toward modernizing its procurement operations by beginning the transition to the electronic Government Procurement (e-GP) system. This move comes after a successful two-week training held at the Kenya School of Government (KSG), Baringo Campus, aimed at equipping public institutions with the knowledge and tools to effectively adopt the new system.

The training, organized by the National Treasury brought together procurement, ICT, and finance officers from across various state corporations. Participants were taken through practical modules on supplier registration, procurement planning, electronic tendering, and contract management. The sessions also included live demonstrations and hands-on system simulations to build practical proficiency.

KEWI was among the key institutions represented and has already begun registering departmental users as a first step to operationalizing the e-GP platform. The Institute is also encouraging its suppliers to register on the platform to remain eligible for future procurement opportunities. This proactive approach

underscores KEWI's commitment to aligning with the government's digital transformation goals.

The adoption of the e-GP system follows a national directive issued by H.E. President William Ruto instructing the National Treasury to fully roll out the system by the beginning of the first quarter of financial year 2025/2026.

On April 7th, 2025, the system was officially launched by the Cabinet Secretary for the National Treasury and Economic Planning, Hon. FCPA John Mbadi Ng'ongo, EGH, at KSG Kabete.

Speaking during the launch, CS Mbadi emphasized that the e-GP system is more than just a technological upgrade it is a structural reform anchored in constitutional principles and global best practices.

"This is not only a technological shift, but a policy action grounded in our Constitution and supported by international standards. The system will promote fair,



A team of KEWI staff who attended the training on adoption of the electronic Government Procurement (e-GP) system at Kenya School of Government (KSG), Baringo Campus.

transparent, competitive, and cost-effective procurement," said the Cabinet Secretary.

The e-GP platform is a key component of Kenya's Digital Superhighway Agenda, which seeks to digitize 80% of public services. The platform is designed to enhance efficiency, transparency, and value for money in public procurement, while minimizing opportunities for fraud and corruption.

As the rollout continues, the National Treasury has made it clear that only procurement processes conducted through the e-GP system will be sanctioned and paid for. This underscores the urgency for all public institutions and their suppliers to adopt and familiarize themselves with the new platform.

Chiakariga Campus Promotes Upcoming September 2025 Intake at Tharaka Cultural Festival

BY: KORIR KIPKIRUI

Kenya Water Institute (KEWI), Chiakariga Campus Principal Eng. Justus Wersongur emphasized the importance of technical and vocational training in the water and sanitation sector. Speaking at Nyangumi Stadium during the much-anticipated Tharaka Cultural Festival, a key event celebrating the rich heritage of the Tharaka people, Eng. Wersongur sensitized the attendees about the institute's training programs and encourage applications for the upcoming September 2025 intake.

"We are here not only to celebrate our culture but also to engage with the youth and community about opportunities for professional growth through our specialized programs," he said.

In the event which drew hundreds of locals and visitors from across the county, showcasing traditional attire, food, dance, and crafts, the KEWI team set up an information booth where festival-goers learnt more about the various diploma and certificate courses offered at the Chiakariga campus. These included diploma in water engineering technology,



Two youths enquire on KEWI training programs from Ms. Omar Chinono at KEWI Booth during the Tharaka Cultural Festival at Nyangumi Stadium.

Diploma in irrigation and drainage engineering technology, Certificate in irrigation and drainage engineering technology and plumbing and pipe fitting, fields that are increasingly vital in addressing Kenya's water and environmental challenges.

Eng. Mugo echoed Eng. Wersongur's sentiments, highlighting that the demand for skilled professionals in water and irrigations continues to grow.

"We urge young people, especially from Tharaka Nithi and surrounding counties, to consider enrolling. Our programs are affordable, practical, and highly relevant," he said.

Ms. Esther Mutegi, who led the engagement with prospective students and parents, added that KEWI

remained committed to supporting learners from all backgrounds. "We provide career guidance and application support on-site. Many of our students go on to secure employment or launch successful projects in their communities," she noted.

The event provided a powerful platform for cultural exchange and educational outreach, blending tradition with modern development goals. The KEWI team's presence was well-received by both local leaders and the public, reinforcing the vital role that education plays in sustainable development.

Applications for the September 2025 intake at KEWI Chiakariga Campus are now open. Interested individuals can visit the campus or the official KEWI website for more information.

KEWI Engages in Performance Contracting Negotiation for Financial Year 2025/2026

BY: PIUS KIMANI

As part of the Performance Contracting (PC) process for the Financial Year 2025/2026, the Kenya Water Institute (KEWI) undertook a negotiation exercise at its headquarters in Nairobi. The session, guided by the 22nd Cycle Performance Contracting Guidelines, is a critical component in aligning institutional performance with national development priorities.

The negotiation was led by Mr. Stephen Kihara, Secretary Administration in the State Department for Water and Sanitation, accompanied by a team of economists from the Ministry of Water, Sanitation and Irrigation, headed by Mr. Rolex Kirui. The team provided technical support in reviewing and refining KEWI's proposed performance targets, indicators, and reporting frameworks.

Speaking during the session, Mr. Kihara commended KEWI for its continued progress in enhancing service delivery in alignment with government expectations. He emphasized that the exercise is instrumental in ensuring that the Institute's operations remain responsive



KEWI management and officials from the Ministry of Water, Sanitation and Irrigation engage during the Performance Contracting Negotiation for Financial Year 2025/2026 at KEWI, Nairobi.

to national priorities as articulated in the Medium-Term Plan IV, the Bottom-Up Economic Transformation Agenda (BETA), and Vision 2030. He noted that aligning KEWI's Performance Contract with its Strategic Plan, work plans, and approved budget is vital for achieving measurable outcomes.

The negotiation process was led on KEWI's side by Dr. Kimeli M. Chirchir, Deputy Director, Corporate Services. He was joined by Mr. Eric Wamiti, Deputy Director, Academic Affairs; Mr. Nelson Kwamini, Deputy Director, Research, Consultancy and Technical Services; as well as Heads of Departments.

Together, the team reviewed the set targets to ensure they are Specific, Measurable, Achievable, Realistic, and Time-bound (SMART), with guidance from Ministry economists Mr. Larry Munyao, Ms. Njeri Thige, and Ms. Maureen Akhonya.

Through this effort, KEWI reaffirmed its commitment to enhancing institutional accountability, operational efficiency, and impactful delivery of its mandate in training, research, and consultancy in the water sector. The finalized Performance Contract will serve as a benchmark for evaluating KEWI's achievements over the next financial year.

Toward a Circular Economy: Strengthening Policy and Wastewater Management for Climate Action

BY: PIUS KIMANI

The study by the Kenya Association of Manufacturers (KAM) has underscored the urgent need for stronger policy enforcement and streamlined regulation to align industrial practices with Kenya's climate goals, particularly through improved wastewater management.

The report, titled *"Industrial Report on Kenya's Preparedness to Reduce Greenhouse Gas (GHG) Emissions: Focus on Implementation of Wastewater Targets"*, was launched last week in collaboration with the Kenya Water Institute (KEWI) and DI-East Africa.

It assesses Kenya's readiness to meet its Nationally Determined Contributions (NDCs) and highlights wastewater treatment as vital to climate resilience, environmental protection, and industrial sustainability.

Findings show that while Kenya has established regulatory and institutional frameworks, implementation is hindered by infrastructure gaps, inadequate funding, weak enforcement, and low public awareness.

The report proposes strategic actions including stronger enforcement, expanded infrastructure, and enhanced collaboration to support climate goals and advance a circular economy.



Central to the recommendations is a push for clear and cohesive regulations. The report urges the alignment of mandates for sewerage and onsite sanitation, especially in urban areas, to eliminate overlaps. Enforcement agencies must be well-resourced, and existing laws should incentivize industries investing in wastewater treatment and climate-smart technologies.

To boost compliance, the study proposes sector-specific discharge standards tailored to local contexts but aligned with international benchmarks. Active involvement of stakeholders, such as through the Kenya Bureau of Standards, is recommended to improve legitimacy and implementation. Government-certified labs for heavy metal testing are also critical for enforcing standards.

On infrastructure, the report emphasizes upgrading and expanding wastewater treatment facilities, particularly in industrial zones.

It recommends leveraging Public-Private Partnerships (PPPs) and tapping into global financing tools like the Green

Climate Fund and carbon markets. In underserved areas, simplified sewer networks paired with community education and regular maintenance are advised.

Industries are encouraged to adopt pre-treatment and consider shared treatment facilities to ease pressure on municipal systems. Policy shifts such as green finance access, revised plumbing codes, and dedicated budget lines are recommended.

Capacity building is highlighted as essential, with institutions like KEWI playing a key role in training government agencies, utilities, and industries. Collaborations with research bodies such as KIRDI can support innovation and localization of technologies.

To improve accountability, the report proposes centralized data systems for wastewater and emissions tracking, with AI and remote sensing integration. KEWI interns could be engaged in data collection to address staffing gaps.

The report calls on KAM to lead implementation by convening stakeholders, championing incentives, and encouraging voluntary performance reporting. With partnerships and action, sustainable wastewater management can drive Kenya's to a resilient, industrial future.

Water beneath Us, Rules above Us, Navigating Borehole Ownership

BY: ABBIGAEEL SONGOK

In many parts of Kenya, boreholes are more than just infrastructure—they are essential sources of life, providing communities, institutions, and individuals with much-needed access to clean water. Yet, despite their widespread use, confusion often arises around ownership, regulation, and governance. Who really

owns a borehole? Can anyone drill one on their land? And what rules apply when water is shared, sold, or misused?

Understanding water governance is crucial for both individuals and institutions, especially in a country where water scarcity, population growth, and climate change continue to put pressure on available resources. Many people assume that owning a piece of land automatically gives them full rights to the water beneath it.

However, Kenya's legal framework tells a different story. According to the Water Act 2016, all water resources—surface and underground—belong to the people of Kenya and are held in trust by the national government. This means that even if a borehole is drilled on private land, the water accessed through it is a



KEWI borehole drilling rig in the field. KEWI is directly involved in borehole drilling, ensuring that the work is done according to professional standards

public resource and is subject to regulation.

Drilling and using a borehole is not as simple as bringing in equipment and tapping into the water table. Any individual or organization planning to drill a borehole must first obtain authorization from the Water Resources Authority (WRA).

This process involves hydro-geological surveys, environmental assessments, and technical approval. Once the borehole is drilled, a water use permit is required, especially if the volume of water extracted exceeds a daily threshold or if the water will be used for commercial purposes.

Kenya Water Institute (KEWI), as a national center of excellence in water and sanitation, plays a significant

role in this space—not only in training and research but also in service delivery. KEWI is directly involved in borehole drilling, ensuring that the work is done according to professional standards and in compliance with national water laws.

The Institute supports counties, schools, health centers, and rural communities by providing affordable and sustainable groundwater access. KEWI's drilling services are backed by technical expertise, environmental consideration, and a commitment to long-term water security.

But ownership and licensing are only part of the story. In many rural and peri-urban areas, boreholes serve more than just individual households—they are shared by communities. This creates a

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management and clear local governance. Water User Associations (WUAs) are community-based groups formed to manage such shared water resources.

Their responsibilities include organizing usage schedules, resolving disputes, maintaining infrastructure, and ensuring compliance with regulatory requirements. The institute supports the formation and strengthening of these associations through training in water governance, sanitation practices, and participatory management, helping communities take ownership while staying within legal frameworks.

The issue of selling water from private boreholes has also become increasingly common, especially in urban areas where piped water services are unreliable. However, selling water to the public requires more than just access to a borehole. A seller must hold both a valid abstraction permit from WRA and, in many cases, a license from the Water



Students fetching water from a borehole in Kitui County. In many rural and peri-urban areas, boreholes serve more than just individual households – they are shared by communities. (Photo: Courtesy)

Services Regulatory Board (WASREB) as a Water Service Provider (WSP).

Without these approvals, commercial water vending is considered illegal and may pose health risks, especially if the water has not been tested or treated.

Beyond field operations, KEWI is deeply invested in strengthening water governance through policy support, curriculum development, and research. The institute offers specialized training on water law, licensing procedures, and integrated water resource management, building the capacity of county officials, technicians, and community leaders. Its research informs national discussions on

sustainable water use, equitable access, and the impact of regulation on small-scale water users.

So, who owns the borehole? The answer is shared. "The landowner may own the ground above, but the water belongs to the people – governed by law and protected by regulatory and enforcement institutions such as WRA and WASREB." As Kenya continues to expand access to clean water, the role of sound governance – grounded in awareness, regulation, and technical support – has never been more important. With KEWI at the forefront, boreholes can be more than just water points – they can be models of sustainable and inclusive water management.

Government Steps Up Efforts to Transform Irrigation, Food Security, Water Governance and Institutional Resilience

BY: PIUS KIMANI

The Ministry of Water, Sanitation and Irrigation has intensified its multi-sectoral efforts to address Kenya's food security, irrigation development, water governance, and institutional reform—reflecting a deep commitment to national development under the Bottom-Up Economic Transformation Agenda (BETA).

This week, Cabinet Secretary for Water, Sanitation and Irrigation, Eng. Eric Mugaa, led a high-level delegation on a routine inspection of two flagship projects: the Bura Irrigation Scheme and the Galana Kulalu Food Security Project, both in Tana River and Kilifi Counties.

At the Tana River Sugar Company Field Demonstration Farm within Bura Irrigation Scheme, the CS, accompanied by Irrigation PS CPA Ephanthus Kimotho, CBS, and National Irrigation Authority (NIA) CEO Eng. Charles Muasya, reviewed progress in sugarcane seed cane trials currently covering 700 acres. The trials



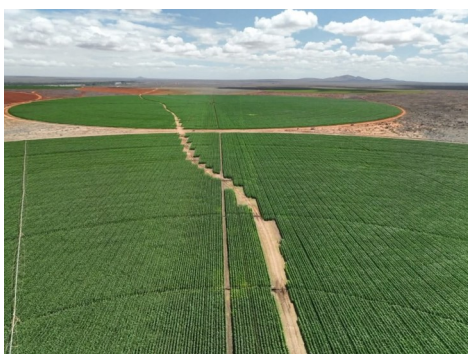
Cabinet Secretary for Water, Sanitation and Irrigation, Eng. Eric Mugaa and a ministry official, when he made a visit of Tana River Sugar Company Field Demonstration Farm within Bura Irrigation Scheme. (Below) An aerial view of the Galana Kulalu Food Security Project.

are testing eight sugarcane varieties to determine suitability for arid and semi-arid conditions.

The investor involved in the project has formally applied for 20,000 acres for commercial-scale farming, with projected yields ranging from 95 to 153 tonnes per hectare. If approved, production from just 8,000 hectares could yield up to 1.22 million tonnes of cane annually—substantially bridging the national sugar deficit and reducing dependency on imports. In addition to its agricultural value, the initiative is expected to create thousands of jobs, strengthen local agribusiness value chains, and improve infrastructure in the region.

The CS also inspected ongoing works at the Galana Kulalu Food Security Project, a presidential priority aimed at transforming Kenya's maize production capacity. Currently, 1,500 acres have been cultivated with seed maize, contributing to efforts to address the country's maize deficit. The project has already created over 400 jobs and is anticipated to unlock further employment opportunities, support value addition, and drive inclusive agricultural growth.

Key infrastructure at Galana Kulalu—including a large water reservoir, offtake pumps, and production facilities—were assessed by the CS and his delegation, which included senior ministry officials such as Mr. Joel Tanui (Secretary for



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Principal Secretary for Water and Sanitation, Mr. Julius Korir, CBS, holding a consultative session with a team of consultants from the Japan International Cooperation Agency (JICA), at Maji House, Nairobi.

for Land Reclamation, Climate Resilience and Irrigation Water Management), Eng. Michael Thuita (Irrigation Secretary in charge of Programs), and Selu CEO Nicholas Ambani.

Meanwhile, in Nairobi, the Principal Secretary for Water and Sanitation, Mr. Julius Korir, CBS, engaged in a strategic meeting with members of the Water Tribunal—an independent body mandated under Sections 55 and 119 of the Water Act No. 43 of 2016. The Tribunal is instrumental in ensuring justice and accountability within the sector by adjudicating appeals and resolving disputes related

to water services and resource management.

PS Korir reaffirmed the State Department's commitment to strengthen collaboration with the Tribunal through legal support, public awareness, and knowledge sharing to ensure all stakeholders are aware of their rights and legal recourse in water-related matters. This initiative supports ongoing reforms to improve sectoral governance, transparency, and access to justice.

The, PS Korir also held a consultative session with a team of consultants from the

Japan International Cooperation Agency (JICA), which is supporting the development of a national framework to enhance the capacity of Water Service Providers (WSPs). This framework is aimed at equipping WSPs with the financial, managerial, and operational tools required to access commercial and blended financing, as well as attract Public-Private Partnerships (PPPs).

This initiative is a critical pillar of the Ministry's drive toward institutional resilience and sustainable service delivery in the water and sanitation sector.

KEWI's Powerhouse Squad Sets Sights on Sporting Glory, Eyes Podium Finish at KETISA Tournament in Kisii

BY: FAITH TAUNET

“I am a member of a team, and I rely on the team, I defer to it and sacrifice for it, because the team, not the individual, is the ultimate champion.” – Mia Hamm

A week after players from the Kenya Water Institute (KEWI) converged in Nairobi for an electrifying Intercampus Sports Competition that brought together teams from Chiakariga, Kisumu, Kitui, and the host campus, Nairobi, the teams have now set their sights clear as they move out on a hunting spree for top spots at this term's Kenya Technical Institutions Sports Association (KETISA) Games that will be held at the Kenya Institute of Highways and Building Technology (KIHBT), Kisii Campus over the weekend.

Looking charged up and unstoppable, the teams will fly the KEWI flag high in Football, Netball, Basketball and Volleyball disciplines, seeking to dominate in all of them.

While seeing off the teams at KEWI Headquarters, Nairobi, Deputy Director of Corporate Services, Dr. Kimeli Chirchir, commended the team's professionalism.

“I applaud your dedications and discipline all through your trainings and trials and wish you well as you represent as out there,” he said



Deputy Director Corporate Services, Dr. Kimeli Chirchir joins a section of the KEWI Team shortly before they left for Kenya Technical Institutions Sports Association (KETISA) Games in Kisii County. Dr. Chirchir wished the team a successful sporting meet.

With an intent to select a strong squad, KEWI has traditionally held the intercampus trials, an exercise that has ensured that it has brought trophies home since the selected teams have displayed mixed talents that have gone to compliment each other and guaranteed sustained triumphs during the previous KETISA meets.

During the trials, Nairobi campus emerged as the overall winner after a day of intense matchups across various sporting disciplines. While every team gave their best, Nairobi's men's basketball team delivered one of the day's most unforgettable moments, winning a game by an

astounding 100 points, a result that left both players and spectators in awe. However, even with Nairobi's triumph, the competition was far from one-sided. Other campuses proved to be worthy challengers, pushing their limits and showcasing commendable skills that gave the matches a thrilling edge.

The team dynamics were equally impressive. Players selected for the games were not only some of the top scorers but also demonstrated a strong grasp of the rules and tactics required for high-level performance. Much of this success was credited to the leadership within the teams. Captains and team leaders stepped up, guiding their

KEWI's Powerhouse Squad Sets Sights on Sporting Glory, Eyes Podium Finish at KETISA Tournament in Kisii

teammates through daily training sessions in the lead-up to the event. Their ability to motivate and recognize individual effort helped build morale and sharpen the teams' focus.

Organizers confirmed that 60 percent of the team slots were reserved for winning teams, while the remaining 40 percent would be shared among the other campuses. This system aimed to reward excellence while ensuring inclusivity across all campuses.

As KEWI's team heads to Kisii for the KETISA Games, the recently concluded intercampus selection process has sparked thoughtful reflections aimed at enhancing future competitions. Players have expressed a strong desire to see more comprehensive participation, with suggestions to support each campus in fielding full teams across all sports to encourage broader engagement and healthy competition.

There was enthusiasm for continued improvement in training standards, including equitable access to facilities and coaching expertise to nurture talent across all campuses. Players also highlighted the



KEWI Netball team. Netball, a discipline initially played by ladies only has now factored men and KEWI Mens netball team is keen to capture the title.

importance of professional officiating and welcomed the idea of neutral, well-trained referees to ensure fairness and consistency during matches.

Looking ahead, students advocated for earlier preparations to help teams build cohesion and competitive readiness well in advance of major tournaments. They also showed great interest in expanding opportunities, proposing increased KETISA team slots to give more students a chance to represent KEWI.

As mean to encourage sportsmanship, the institute has been requested to

recognize exceptional performers with awards and enhancing visibility through KEWI-branded banners at national events. Players also saw value in logistical support, including having additional staff on trips among others. Many shared aspirations for pathways to national team scouting, underscoring the talent and ambition that continues to grow within KEWI's sporting community.

KEWIs participation in both intercampus and KETISA bonanza reveal the immense potential within KEWI's student body and underscores the importance of continued investment in talent development.

Round up of The Week's Events

PICTORIAL



Moments during the briefing and registration of the potential Participants of the Recognition of Prior Learning (RPL) at KEWI Nairobi.

Round up of The Week's Events

PICTORIAL



A meeting between KEWI and International Committee of the Red Cross (ICRC) to explore collaborative opportunities in a Training of Trainers (ToT) program focused on electrical and environmental sustainability at KEWI Nairobi.

Round up of The Week's Events

PICTORIAL



From right, immediate former Kisumu Campus Principal Dr. Emily Chepkoech, Mr. Domenic Kiogora, Sanitation Research Institute – Meru University of Science and Technology Director Ms. Joy Riungu and Campus Dean of Students Mr. Otieno Fredrick in a group photo. The two institutions' discussed on areas of partnerships and collaboration, including academic progression pathways for Diploma graduates, joint research and innovation, co-training, staff and students exchange programs and mentorship.

KENYA WATER INSTITUTE INVITES APPLICATIONS FOR ADMISSION

Kenya Water Institute invites applications for September 2025 intake for the programs offered in Nairobi campus and satellite campuses of Chiakariga, Kitui and Kisumu. The programs will be offered through a Blended Learning Model (online and in person learning for practical based courses). Applicants MUST indicate the campus of choice in the application form.

| Program Title | Minimum Requirements | Duration | Campus | Tuition Per Semester |
|--|--|---------------|--|----------------------|
| 1. Diploma in Water Engineering Technology (DWET) | a) KCSE Mean Grade C- (minus) or a division (II) in KCE with at least D (plain) in any of the sciences (Mathematics, Physics, Chemistry or Physical Science and Biology) or Geography OR b) KCSE Mean Grade C- and Artisan Course Certificate from KEWI or any equivalent National Qualification c) As determined by the Academic Board. | Three years | Nairobi Chiakariga Kitui Kisumu | Kshs. 31,300 |
| 2. Diploma in Water Resources Management Technology (DWRMT) | a) KCSE Mean Grade C- (minus) or a division (II) in KCE with at least D (plain) in any of the sciences (Mathematics, Physics, Chemistry or Physical Science and Biology) or Geography OR b) KCSE Mean Grade C- and Artisan Course Certificate from KEWI or any equivalent National Qualification c) As determined by the Academic Board. | Three years | Nairobi Kitui Kisumu | Kshs. 31,300 |
| 3. Diploma in Irrigation and Drainage Engineering Technology (DIDET) | a) KCSE Mean Grade C- (minus) or a division (II) in KCE with at least D (plain) in any of the sciences (Mathematics, Physics, Chemistry or Physical Science and Biology) or Geography OR b) KCSE Mean Grade C- and Artisan Course Certificate from KEWI or any equivalent National Qualification c) As determined by the Academic Board. | Three years | Chiakariga Kisumu | Kshs. 31,300 |
| 4. Diploma in Wastewater and Sanitation Engineering Technology (DWSET) | a) KCSE Mean Grade C- (minus) or a division (II) in KCE with at least D (plain) in any of the sciences (Mathematics, Physics, Chemistry or Physical Science and Biology) or Geography OR b) KCSE Mean Grade C- and Artisan Course Certificate from KEWI or any equivalent National Qualification c) As determined by the Academic Board. | Three years | Nairobi | Kshs. 31,300 |
| 5. Diploma in Water Laboratory Technology (DWLT) | a) KCSE Mean Grade C- (minus) or a division (II) in KCE with at least D (plain) in any of the sciences (Mathematics, Physics, Chemistry or Physical Science and Biology) or Geography OR b) KCSE Mean Grade C- and Artisan Course Certificate from KEWI or any equivalent National Qualification c) As determined by the Academic Board. | Three years | Nairobi | Kshs. 31,300 |
| 6. Diploma in Information Communication Technology (DICT)-KNEC | a) KCSE Mean Grade of C- and above or its equivalent as acceptable Qualification by KNQA OR b) KNEC Certificate for CICT | Three years | Nairobi | Kshs. 31,300 |
| 7. Certificate in Water Engineering Technology (CWET) | a) KCSE Mean Grade D (plain) OR b) Artisan Course qualification from KEWI or any equivalent National Qualification OR c) As determined by the Academic Board | Two years | Nairobi Chiakariga Kitui Kisumu | Kshs. 30,000 |
| 8. Certificate in Water Resources Management Technology (CWRMT) | a) KCSE Mean Grade D (plain) OR b) Artisan Course qualification from KEWI or any equivalent National Qualification OR c) As determined by the Academic Board | Two years | Nairobi Kitui Kisumu | Kshs. 30,000 |
| 9. Certificate in Irrigation and Drainage Engineering Technology (CIDET) | a) KCSE Mean Grade D (plain) OR b) Artisan Course qualification from KEWI or any equivalent National Qualification OR c) As determined by the Academic Board | Two years | Chiakariga Kisumu | Kshs. 30,000 |
| 10. Certificate in Wastewater and Sanitation Engineering Technology (CWSET) | a) KCSE Mean Grade D (plain) OR b) Artisan Course qualification from KEWI or any equivalent National Qualification OR c) As determined by the Academic Board | Two years | Nairobi | Kshs. 30,000 |
| 11. Certificate in Water Laboratory Technology (CWLTL) | a) KCSE Mean Grade D (plain) OR b) Artisan Course qualification from KEWI or any equivalent National Qualification OR c) As determined by the Academic Board | Two years | Nairobi | Kshs. 30,000 |
| 12. Certificate in Information Communication Technology (CICT)-KNEC | a) KCSE Mean Grade D (plain) and above OR b) Its equivalent as an acceptable Qualification by KNQA | Two years | Nairobi | Kshs. 30,000 |
| 13. Plumbing and Pipe Fitting (PPF) | a) KCSE Mean Grade D (plain) and above OR b) Its equivalent as an acceptable Qualification by KNQA | Two years | Nairobi | Kshs. 30,000 |
| 14. Water Operators Course (WOC) in: • Water Supply • Meter Reading • Wastewater Mgt. Tech. | a) KCSE Certificate OR b) Basic Operator Course qualification OR c) Any other qualification approved by the Academic Board | Two semesters | Nairobi Chiakariga Kitui Kisumu | Kshs. 30,000 |
| 15. Irrigation and Drainage systems | a) KCSE Certificate OR b) Basic Operator Course qualification OR c) Any other qualification approved by the Academic Board | Two semesters | Chiakariga Kitui | Kshs. 30,000 |
| 16. Drilling Operations and Management (DOM) | a) KCSE Mean Grade D (plain) OR b) Certificate in Water Related course (Water Technician, Water Resource Management, Water Engineering, Mechanical Engineering) OR c) Industry Practice as a Drilling Technician of at least 2 years | 8 weeks | Nairobi | Kshs 40,800 |

MODE OF APPLICATION

Application forms can be obtained from Kenya Water Institute, Nairobi South 'C', Chiakariga, Kitui and Kisumu campuses; or downloaded from KEWI website. A non-refundable application fee of Kshs 1,000.00 should be paid using this link: <https://www.kewi.go.ke/application-payment-process>

Applications should be addressed to the **DIRECTOR, KENYA WATER INSTITUTE, P. O. BOX 60013 -00200 NAIROBI**. Applications to reach us not later than **29th August 2025**. Attach photocopies of Academic Certificates, National ID card and original application fee receipt.

Foreign students to add 20% on all charges. For enquiries: Nairobi - 0722 207 757, 0735339206, Chiakariga – 0729009104, Kitui 0707 566 395

Persons with disability and female students are encouraged to apply.



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MINISTRY OF WATER, SANITATION & IRRIGATION
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Renewable Solutions For Water Evolution!

TARGET AUDIENCE:

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- Water infrastructure developers
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MINISTRY OF WATER, SANITATION & IRRIGATION
KENYA WATER INSTITUTE

Water Quality Data Management

TARGET AUDIENCE

- ✓ Water utility Managers
- ✓ Public Health officers
- ✓ Data analysts in water resources

Manage Water Quality with Precision!

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MINISTRY OF WATER, SANITATION & IRRIGATION
KENYA WATER INSTITUTE

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Illuminate The Future, Save Energy, Spark Change

Target Audience:

- Facility Managers
- Engineers
- Plumbers
- Technicians

📅 Date:
25th August - 29th September

🌐 Register:
scan the QR code to register

Contact Information

- 📞 0722207757
- ✉️ shortcourses@kewi.or.ke
- ✂️ @Kewikenya
- 📍 Kenya Water Institute



For more information and how to apply, scan the QR Codes on the posters.

CALL FOR TRAINING



MINISTRY OF WATER SANITATION AND IRRIGATION
KENYA WATER INSTITUTE

Water Quality Sampling and Testing Course

Venue: Kenya Water Institute

Date: From 28th July to 1st August 2025

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Venue: Kenya Water Institute, Nairobi Campus

Date: 4th - 8th August 2025

Cost: Kshs 45,000/=



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for more info
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🌐 www.kewi.go.ke

For more information and how to apply, visit www.kewi.go.ke

Picture of The Week



KEWI might just be sitting on a goldmine of untapped athletic greatness, and the secret is out – the *KEWI Sweat Squad*, here to flex, literally! Doubt it?

Wildly energetic twist of events, a squad of fitness-hungry staffers has ditched the post-work slump for high-knee jumps and killer stretches. The *KEWI Sweat Squad*; born to chase fitness glory under the watchful eye of a qualified trainer.

Now in its second week, the brave staff members contorting through mobility drills like determined yogis at boot camp exhibit unbreakable stamina. With every lunge, the squad is shouting (and sweating) their way into shape.

This after-hours workout ritual is quickly becoming KEWI's unofficial boot camp for greatness.

Quote of the Week

"Progress begins where performance is measured and feedback is given." – Howard Schultz

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Long - Term Programmes

Diploma in Water Engineering Technology (DWET) Diploma in Wastewater
 Diploma in Water, Sanitation Engineering Technology (DWSET)
 Diploma in Water Resources Management Technology (DWRMT)
 Diploma in Irrigation and Drainage Engineering Technology (DIDET)
 Diploma in Information Communication Technology (DICT)-KNEC
 Diploma in Water Laboratory Technology (DWLT)
 Certificate in Wastewater and Sanitation Engineering Technology (CWSET)
 Certificate in Water Resources Management Technology (CWRMT)
 Certificate in Information Communication Technology (CICT)- KNEC
 Certificate in Water Laboratory Technology (CWLTL)
 Certificate in Water Engineering Technology (CWET)
 Drilling Operations and Management (DOM)
 Plumbing and Pipe Fitting (PPF)
 Water Operators Course (WOC) in:

- Water Supply
- Meter Reading
- Sewerage Operations

Short - Term Programmes

Use of Earth Observation Tools and GIS for Water Resources Management
 Entrepreneurship and Financial Management for Water Managers
 Operation and Maintenance of Water Supply Networks
 Metering and Installation of Water Supply Networks
 Leak Detection & Repair techniques
 Drilling Operations and Management (DOM)
 Operation & Maintenance of Pumping Stations
 Pump Selection, Installation and Maintenance
 Plumbing, Pipe Fitting and Solar Water Heating
 Instrumentation for Water and Wastewater Systems
 Water Governance, Management and Technology
 Application of GIS for Water Utilities Mapping
 Drilling Operations and Management
 Water Quality Sampling and Testing
 Microbiological Water Quality Assessment
 Integrated Water Resources Management
 Non-Revenue water
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 Customer Care

Vision

A Technical Centre of Excellence in Training, Research, Innovation and Consultancy in the water, Sanitation and Irrigation Sector.

Mission

To offer Competency-Based Training, Research, Innovation, Consultancy and Outreach Services in the Water, Sanitation and Irrigation Sector for sustainable development.

Core Values

Good Corporate Governance
Professionalism
Customer Focus
Innovativeness
Inclusivity
Patriotism
Integrity

GET IN TOUCH WITH US

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Website: www.kewi.go.ke

For enquiries about our TVET programs
Contact the Registrar, Admissions Office.
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Email: admissions@kewi.or.ke

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