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# MksU

## CONNECT



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# Meet the editors.

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# MACHAKOS UNIVERSITY STRENGTHENS COMMITMENT TO BPO AND INDUSTRY READY SKILLS DEVELOPMENT



*The University Management team, led by the Vice-Chancellor, Prof. Joyce Agalo, in conversation with the renowned digital education and innovation expert, Mr. Sven Da Caüter, Chief Operating Officer*

On 26th February 2026, Machakos University hosted Mr. Sven Da Caüter, Chief Operating Officer of Teleperformance Kenya, for a strategic engagement aimed at advancing Business Process Outsourcing (BPO) opportunities and enhancing industry-ready skills among students and graduates.

Led by the Vice-Chancellor, Prof. Joyce Agalo, the University Management team underscored the importance of industry partnerships in equipping learners with practical competencies aligned to the global digital economy.

The engagement highlighted the critical role of integrating digital literacy, innovation, and hands-on training into academic programs to boost graduate employability.

During the visit, the delegation toured key facilities, including the Luban Workshop and designated BPO office spaces, reaffirming the University's commitment to modern training infrastructure and market-responsive programs.

This collaboration marks a significant step in positioning Machakos University as a hub for digital skills development, innovation, and global career readiness.



*Vice-Chancellor Prof. Joyce Agalo, alongside members of staff during the hike.*



*The VC posing for a "Hongera" photo with some of the participants!*

# ENHANCING INSTITUTIONAL PERFORMANCE WITH KPI REVIEW & TEAM BUILDING

The Machakos University Management Board (UMB), in collaboration with the Change Management Committee and key staff, conducted a mid-term Key Performance Indicators (KPI) review and team-building session aimed at enhancing institutional effectiveness, accountability, and service delivery.

The engagement provided an opportunity for University leadership to assess Financial Year performance, evaluate divisional targets, and identify practical strategies to improve operational efficiency. The review reaffirmed the University's commitment to performance-based management, transparency, and continuous improvement.

Vice-Chancellor Prof. Joyce Agalo emphasized integrity, accountability, and dedication to duty as critical pillars of institutional excellence.

CPA Moses Mwariri underscored the importance of aligning individual and departmental goals with the University's strategic objectives to strengthen prudent resource utilization and value for money.

The team-building exercise further fostered collaboration, resilience, and shared purpose among leaders, key drivers of sustainable institutional growth.

Through integrated performance review and team development, Machakos University continues to strengthen governance structures and advance a results-oriented culture that promotes innovation, efficiency, and excellence in service delivery.

# A SMARTER ROAD AHEAD: TVET INNOVATION TACKLES EAST AFRICA'S TRAFFIC CRISIS.



*Amos Shahindi Shigalu, MksU student pursuing a Diploma in Electrical and Electronic Engineering (TVET).*

Innovation remains a cornerstone of academic excellence at Machakos University, and this spirit is evident in the work of Amos Shahindi Shigalu, a third-year Diploma student pursuing a Diploma in Electric and Electronic Engineering (TVET).

Hailing from Nakuru County, Amos has developed a prototype system dubbed the Satellite Weigh Track (SWT)- an integrated vehicle monitoring solution designed to address persistent inefficiencies in transport and security systems.

**Inspiration Behind the Innovation.** According to Amos, the idea was born from a real and pressing challenge experienced by truck drivers across East Africa.

“The purpose of this project originated from the troubling traffic faced by those transporting products on East African roads,” he explains.

Long queues at weighbridges, repeated stops, and congestion not only delay deliveries but also increase fuel consumption, operational costs, and financial penalties due to overloading. In some cases, transporters bypass official routes to avoid weighing fees, compromising safety and regulatory enforcement.

The SWT system was therefore designed “to help identify, weigh and monitor vehicles on our roads to reduce snarl-ups at weighing bridges.” How the Satellite Weigh Track (SWT) Works.

The prototype integrates three core technologies into one seamless monitoring system:

- Real-time load sensors for continuous in-motion vehicle weighing
- Microcontroller-based data processing for automatic overload detection

- Microcontroller-based data processing for automatic overload detection
- GSM communication module for instant alerts to designated authorities
- GPS satellite tracking for live location monitoring, geo-fencing, and route management.

Unlike traditional stationary weighbridges, SWT enables vehicles to be monitored without stopping, significantly reducing congestion while enhancing compliance and efficiency.

**Overcoming Challenges.**

Like many innovators, Amos faced hurdles during the development process. “One of the major challenges I faced was capitulation to get it to the testing level, which I have eventually secured,” he notes.

Another significant milestone has been the patenting process. With the support of Machakos University, the project is now in the final stages of securing a patent: a major step toward protecting the intellectual property and preparing the innovation for future commercialization.

Currently at the prototype stage, the Satellite Weigh Track system shows strong potential for future field testing and scaling.

Amos emphasises that the next step is exposure and growth.

“The assistance I need now is forums to grow my project and not have it die down in the early stages.”

His appeal highlights the importance of institutional partnerships, innovation platforms, and industry linkages in transforming promising student projects into impactful solutions.

## **A Reflection of TVET Excellence.**

The MksU student’s Innovation underscores the power of Technical and Vocational Education and Training (TVET) in driving practical, problem-solving solutions. His work reflects Machakos University’s continued commitment to nurturing creativity, applied engineering skills, and industry-relevant innovation.

# ALUMNI SPOTLIGHT: ALBERT KAGGUAI-A RISING FORCE IN KENYA'S CREATIVE INDUSTRY

Albert Kaggwai is a proud alumnus of Machakos University, having joined the University in 2017 and graduated in 2022 with a Bachelor of Science in Fashion Design and Marketing. Today, he is a fashion designer and Founder of Mista Mavazi & Zana Media, steadily building his brand within Kenya's dynamic fashion landscape.

Albert currently serves as an assistant to award-winning stylist Connie Aluoch and has contributed to notable projects, including CDNA Twende Soko, Fashion Brunch, Sanaa Pop Up, and the Africa Soft Power Summit - experiences that continue to shape his creative and professional growth..

With Kenya's fashion and design sector on a promising growth trajectory, Albert encourages students to nurture strong technical and leadership skills, particularly in Pattern Making and Cutting, CAD, Leadership, and Management. He notes that these competencies are highly attractive in the global marketplace, opening doors to remote work and creative leadership opportunities.

Albert emphasizes professionalism, innovation, and client-centered service as essential pillars for success and looks forward to future collaborations with the next generation of creatives.



*Albert Kaggwai , a proud alumnus of Machakos University*

# Games and Sports Updates!

Machakos University teams delivered commendable performances during the Nairobi South Kenya Universities Sports Federation (NaSoKUSF) Conference League held at CUEA, JKUAT, and Strathmore University on 28th February and 1st March 2026.

The teams demonstrated determination, teamwork, and competitive spirit across several disciplines.



*MksU:3 Vs AIU 1*



*Handball (Men) Won 24 to 11 against TUK on Saturday 28th February 2026 at CUEA*

## Upcoming!

- Rugby - University-wide League:  
Machakos University vs Kabete Polytechnic  
Venue: JKUAT Karen, Nairobi  
Date: Saturday, 7th March 2026
- Men's Basketball Friendly:  
Machakos University vs Machakos School  
Venue: Machakos School  
Date: Wednesday, 4th March 2026
- 15th KUSF Women's Annual Championship:  
Venue: Taita Taveta University (TTU)  
Dates: 6th–8th March 2026.

Machakos University continues to showcase excellence in sports, with teams steadily building momentum as they represent the university with pride and determination.

## Key Highlights:

- Men's Football: Machakos University secured an impressive 4–1 victory against Amref University.
- Women's Volleyball: A strong comeback saw MksU defeat Africa International University (3–1) after an earlier loss to the University of Nairobi.
- Men's Basketball: The team registered a 39–33 win over Tangaza University.
- Women's Basketball: MksU achieved notable victories against CUEA (46–12) and AIU (41–46).
- Men's Handball: The team dominated the Technical University of Kenya (24–11).

In Rugby, Machakos University recorded a convincing 28–0 victory in the University-wide League match held at the Machakos Showground on 28th February 2026.

# SAMU ELECTIONS UPDATE!

Machakos University students have turned out in impressive numbers to register and verify their voter details ahead of the upcoming Students Association of Machakos University (SAMU) elections.



*Machakos University students during the registration process*



*MksU students lined up for voter registration and verification.*

The ongoing exercise, taking place at the University ICT laboratories, is aimed at ensuring a transparent, inclusive, and credible electoral process. The verification and registration exercise will continue until 16th March 2026, giving students ample time to confirm their details.

Students are encouraged to participate in the process and play an active role in shaping their leadership ahead of the SAMU elections scheduled for 24th March 2026.

# Upcoming Events



MACHAKOS UNIVERSITY

## 8<sup>th</sup> INNOVATION AND EXHIBITION WEEK

**Theme: Innovation for Sustainable  
Development and Healthy Futures**

**Date: 12<sup>th</sup> - 13<sup>th</sup> March, 2026**

**Time: 8:00 am - 5:00 pm**

**Venue: Machakos University grounds**

*Co-creating sustainable futures*

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