



UNIVERSITY OF EMBU

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The University of Embu TECHNO INNOVATION WEEK EXHIBITION (TIW)

POSTPONED TO



10th - 11th December, 2024



University of Embu

EVENT SPEAKERS



Hon. Julius Migos Ogamba
CS, Ministry of Education



Hon. Dr. Margaret Nyambura Ndung'u, PhD.
CS, Ministry of Information, Communications and the Digital Economy



Hon. Dr. Beatrice Muganda Inyangala, PhD.
PS, State Department for Higher Education and Research, Ministry of Education



Prof. Daniel Mugendi, PhD, EBS
Vice-Chancellor, University of Embu



Mr. Simon Okoth
Chief Executive Officers, AppKings



Mr. Motsei Mothoagae
Head of OneConnect Education



Mr. Farad Khimji
Lenovo Infrastructure Solutions Group GM, WECA



Mr. Hillary Cheserek
Kenya Education Network



Prof. Dickson Andala
CEO National Research Fund



Prof. Paul Ndirangu Kioni
Lead Origin Lab EA-UNECA and Head of Research-Innovation and Entrepreneurship Education (RIEED) Office



Prof. Elijah I. Omwenga
Vice-Chancellor, Open University of Kenya



Mr. Francis O. Odhiambo
National Chairperson, Association of Computing Practitioners, Kenya



Mr. Lucas John Omollo, HSC
Chief Manager, ICT & Smart City Solutions, Konza

PARTNERS





BACKGROUND

The University of Embu was established as a Constituent College of the University of Nairobi on 17th June 2011. The EUC is the successor of the former Embu Agricultural Staff Training (EAST) College whose history dates from 1947. It was started as Embu Institute of Agriculture and transformed to become Embu Agricultural Staff Training (EAST) College in 1990. The University of Embu was chartered to a full-fledged university on 7th October 2016. It is a fast-growing University in Kenya with a current population of over 12,000 students.

TECHNO INNOVATION WEEK (TIW) EXHIBITION

The University is aligning itself to the idea of Research to Commercialization as well as innovation. In this regard, the University of Embu held its initial Trade Fare Exhibition in 2023. The year 2024 exhibition will be on Technology and ICT, here named the Techno Innovation Week (TIW) Exhibition.

The Techno Innovation Week (TIW) is organized by the University of Embu is planned to take place from 10th to 11th December 2024 at the University Grounds. The goal is to provide participants with a chance to access state-of-the-art technologies, especially in Artificial Intelligence, the 4th Industrial Revolution and the Big Data concept in Entrepreneurship.

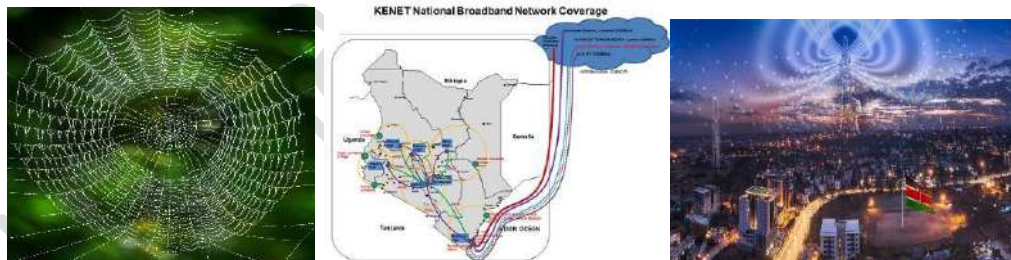
SPECIFIC OBJECTIVES

- a) To provide a platform to exhibit ICT-driven innovation in various sectors of the Economy,
- b) To share success stories on research and commercialization and challenges especially in digital space in higher learning,
- c) To provide Universities and other academic institutions a space to link with industries in the areas of Techno-Innovation,
- d) To bring together and strengthen linkages in the drive towards the Government of Kenya's expansion of the digital super highway, and
- e) To share experiences of growing and sustaining ICT-based innovations to drive entrepreneurship.

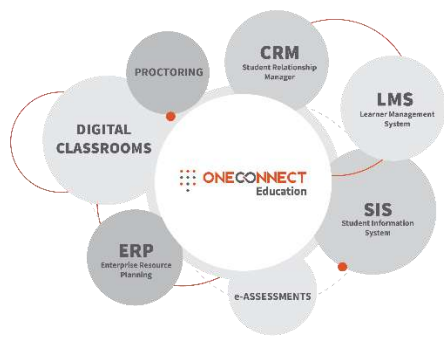
THE TIW EXHIBITION ACTIVITIES

DAY 1: ACTIVITIES

- 1. Sub- Theme: Accelerating Training, Research and Innovations – available solutions
 - a) The TIW Concept
 - b) Expanding network to widen education opportunities
 - c) Policy Framework on Research Commercialization



- 2. Sub-Theme: Data and Information Integration for Efficiency Learning
 - a) Education in the 21st Century: Provision of the Right Technology (Learning Management System)
 - b) Role of Education Leadership Skills in Promoting Entrepreneurship Financial Sustainability
 - c) Official opening of TIW



3. Sub Theme: Technical Vocational Education and Training (TVET) in Innovation Growth

- a) The Future of Education in a Rapidly Changing Technological Era
- b) Implementing Science Technology & Innovation (STI) and Technological growth
- c) Funding Research and Innovation- for Technological Development
- d) Taxing Funding Research and Innovation

SCHOLARSHIP

In Collaboration with

Invite Applications

for the 1st Cohort of M-Pesa Foundation and University of Embu Scholarships

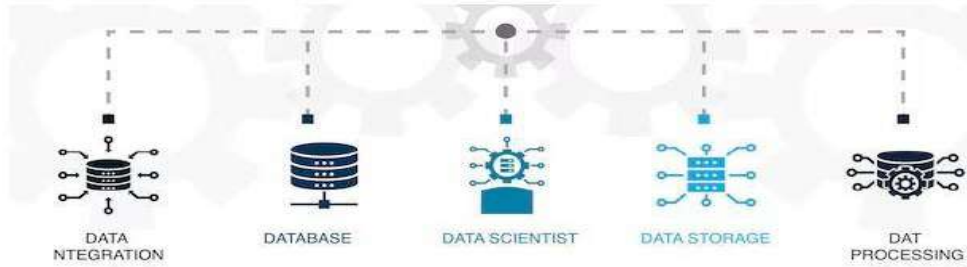
Programmes	Eligibility	How to Apply
Levels 3 to 6 programmes in: 1. Cosmetology 2. Repair and Maintenance of Portable and Mobile Electronic Devices 3. Repair and Maintenance of Two and Three-Wheeled Motorcycles 4. Building and Construction	1. Kenyan Citizen 2. Age 15 to 30 years old 3. Have met minimum admission requirements for programme on offer 4. From specified counties: Nairobi, Embu, Murang'a, Nyandarua, Nakuru, Nyamira, Homabay, Turkana, Busia, and Meru.	1. Visit UoEm Website www.embu.ac.ke 2. Download Application <div style="background-color: red; color: white; padding: 2px; text-align: center; font-weight: bold;">Application Deadline</div> 7th October, 2024

NOTE: The programmes shall commence in November, 2024. Youth from humble economic backgrounds are encouraged to apply. The Deadline for application is on 7th October, 2024.

4. Sub-Theme: Data and Information Transmission Efficiency

- a) Dedan Kimathi Science Technology Parks - Promoting Industrialization through Collaboration in Science
- b) E-Citizen and E-Government and taking services close to citizens

- c) E-learning Transmission efficiency
- d) Driving modern education and Businesses



5. Panel Discussion: Emerging ICT-Driven Entrepreneurship Opportunities

- a) Expanding education space
- b) Techno-Innovation in promoting trade



- c) E-learning Education: Practical Experiences
- d) Paperless- Going Paperless with eDMS
- e) Design thinking
- f) Mobile /Digital Money to spur economic growth



DAY 2: ACTIVITIES

1. Sub-Theme: Positioning Universities for the Digital-way of doing business



**Digital
Strategy
for Schools**
ENHANCING TEACHING,
LEARNING AND ASSESSMENT

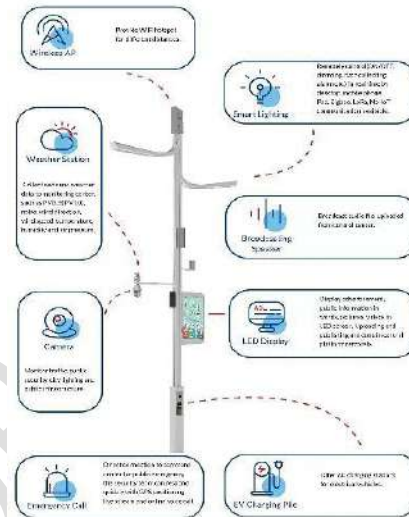
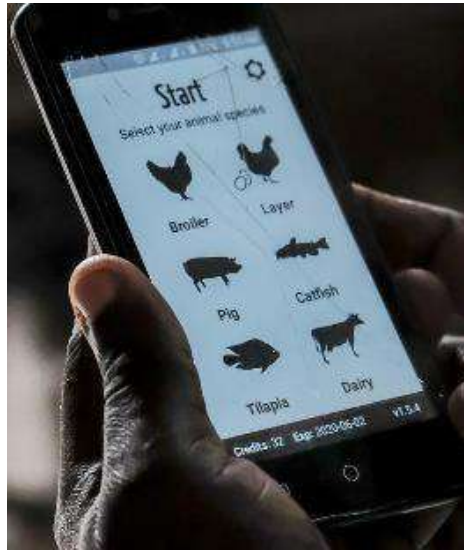


- a) Innovation to provide broader bandwidth to students
 - b) Getting it Right in ERP- Effective management of programmes
 - c) Big data management
 - d) Promoting Cyber Security to promote education
 - e) Enhancing welfare through E-health
2. Sub-Theme: Education Data and Information Transmission Efficiency
 - a) Digital super highway, Globalization of Education
 - b) Providing a greater bandwidth to on-board more students in e-learning
 - c) Mobile data for remote learning
 - d) Funding Research and Innovation for Technological Development.



3. Sub-Theme: Digital space and new opportunities for research and innovation.

- a) How power supply can strengthen E-learning Transmission efficiency
- b) KNCCI and innovation uptake and Job Creation
- c) Big Data in Farming - KTDA Experience



4. Panel Discussion: Driver of modern education and Businesses

- a) Equipment and gadget to drive modern Education
- b) Silicon Savannah in Digital Transformation
- c) Universities in promoting digital jobs
- d) Digital farms – increasing farming interest among the youth



DAY 1 MORNING: TIW OPENING PROGRAMME

DECEMBER 10TH 2024

THEME: TECH-DRIVEN EDUCATION: BRIDGING THE GAP

1. Sub-Theme: Accelerating Training, research and Innovations – available solutions

Time	Activity	Speaker	Moderator
8.00 -8.30	<ul style="list-style-type: none">EntertainmentNational and East Africa AnthemIntroduction and welcome to the TIW Exhibition and the motivation.Introduction: Acknowledgement of Guests		Program Manager
8.30-9.00	Guest of Honor arrival and courtesy Call		Protocol office
9.00-9.30	Guest of Honor tour of Exhibitions		Chairman Organizing Committee
9.30-9.40	Introducing the TIW committee		
9.40-10.00	<ul style="list-style-type: none">Introduction of guestsWelcome RemarksVC's Speech		DVC, ARE
10.00-10.15	Expanding the network to widen education opportunities		VC (UoEm)
10.15-10.35	Keynote Speaker: Policy Framework on Research Commercialization'		
2 Sub-Theme: Data and Information Integration for Efficiency Learning			
10.35-10.45	Education in the 21 Century: Provision of Learning Management/System to manage education		
10.45-11.15	Official opening of TIW : SPEECH Plenary: Q & A		
11.15-11.25	Photo Session		Program Manager
11.25-11.40	Tea and Coffee Break		

DAY 1: 10TH DECEMBER 2024

MID-DAY SESSION

3. Sub-Theme: Technical Vocational Education and Training (TVET) in innovation growth

Time	Activity	Facilitator	Moderator
11.40 -11.55	Role of Education leadership skills in promoting Entrepreneurship financial sustainability		
11.55 12.10	Implementing STI for Technological growth		
PLENARY : Q & A			
Panel Discussion: Funding Research and Innovation- for Technological Development			
12.15-12.35	Funding Research and Innovation- for Technological Development		
	Taxing Funding Research and Innovation		
Panel Discussion: Driving modern education and Businesses			
12.35-13.15	1. Funding modern education needs/requirements		
	2. Digital Super highway, Gadgets with high transmission efficiency		
	3. Role of Media in modern education		
	4. Skills Development in TVET to Promote Innovation		
	5. Role of Technology in higher education		
	PLENARY : Q & A		
13.15-14.00	Lunch Break		Program Manager

DAY 1: AFTERNOON- SESSION

4. Sub-Theme: Data and Information Integration for Efficiency Learning

Time	Activity	Facilitator	Moderator
14.00-14.20	Dedan Kimathi Science Technology Parks - Promoting industrialization through Science through Collaboration		

14.20-14.40	E-Citizen and E-Government and taking services close to citizens		
14.40-15.00	Plenary Q & A		
15.00 15.20	Expanding education space through E-learning – to decongest classrooms		
5. Panel Discussion: Emerging ICT-driven entrepreneurship			
15.20 16.00	<ul style="list-style-type: none"> E-learning Education: Practical Experiences Paperless- Going Paperless with eDMS Design thinking Mobile /Digital Money to spur economic growth 		
16.00-19.00	<ul style="list-style-type: none"> Visit exhibitions B 2 B Entertainment show 		Entertainment team

DAY 2 MORNING: TIW OPENING PROGRAMME

DECEMBER 11TH 2024

1 Sub-Theme: Positioning Universities for Digital-way of doing business

Time	Activity	Speaker	Moderator
8.00-8.30	<ul style="list-style-type: none"> Entertainment National and East Africa Anthem Introduction and welcome to the TIW Exhibition and the motivation. Introduction: Acknowledge guests 		Program Manager
8.30-9.00	Guest of Honor arrival and courtesy Call		Protocol Office
9.00-9.30	Guest of Honor tour of Exhibitions		Organizing Committee
9.30-9.45	Introduction of guests Welcome Remarks	VC- UoEm	DVC –PAF (UoEm)
9.45-10.00	How Architectural designs will change with increased online working		
10.00-10.15	Getting it Right in ERP- Effective management of programmes		
10.15-10.30	<ul style="list-style-type: none"> a) Big data management b) Promoting Cyber Security to promote education 		
10.30-10.45	The Future of Education in a Rapidly Changing Technological Era		
10.45-11.15	Guest of Honor TIW -CS ICT and Digital Economy		
	Plenary : Q & A		
11.15-11.25	Tea and Coffee Break		Program Manager

DAY 2: MID-DAY SESSION

2. Sub-Theme: Education Data and Information Transmission Efficiency

Time	Activity	Facilitator	Moderator
11.25-11.40	Digital super highway Globalization of Education		
11.40-12.00	<u>Panel Discussion</u> a) Providing a greater bandwidth to onboard more students in e-learning b) Mobile data for remote learning c) Research and Innovation- for Technological Development d) Enhancing welfare though E-health		

3. Sub-Theme: Digital space and new opportunities for research and innovation

Time	Activity	Facilitator	Moderator
12.00-12.25	Panel Discussion Transforming MSMEs into cottage industries Techno-Innovation in promoting trade		
11.25-12.50	<u>Panel Discussion</u> • How power supply can strengthen Elearning Transmission efficiency • Solar and education empowerment		

Time	Activity	Facilitator	Moderator
12.50-13.05	Silicon Savannah in Digital Transformation (Opportunities at Silicon Savannah)		
13.05.-13.25	<u>Panel Discussion</u> a) KNCCI and innovation uptake and Job Creation- in Big Data space b) Big Data in Farming- KTDA Experience		
13.00-14.10	Lunch Break		Program Manager

DAY 2: AFTERNOON SESSION 11TH DECEMBER 2024

Time	Activity	Facilitator	Moderator
14.10-4.40	Youth Innovative Ideas Audition		
14.40-15.00	Equipment and gadget to drive modern Education	Chief Executive Officer, Huawei Technologies	Master of Ceremony
15.00-15.30	Panel Discussion <ol style="list-style-type: none">1. Impact of Artificial Intelligence and what need to do2. Extending opportunities through Wings to fly		
15.30- 16.00	CLOSING CEREMONY	Giving of Awards	Master of Ceremony