



ERB

JUNE, 2023

ENGINEERS Newsletter

5TH ANNUAL ENGINEERING TECHNICIAN'S DAY 2023 SPECIAL EDITION

ISSN: 000064

Issue No. 001



<https://registration.erb.go.tz/>

ENGINEERS REGISTRATION BOARD

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VISION A world-class entity that regulates engineering practitioners for quality services delivery to the public.

MISSION To regulate engineering practice in Tanzania Mainland and promotion of engineering excellence among engineering practitioners through enhancing their innovativeness, competitiveness and professionalism.

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ERB to raise registration of Engineering Technicians



Picture: Permanent Secretary Ministry of Works and Transport (Works), Amb. Eng. Aisha Amour (seated middle) in a group photo with the management and some staff of the Engineers Registration Board during the opening session of fifth Annual Engineering Technician's Day held at Mwanza from 04th to 05th May 2023.

The Permanent Secretary of the Ministry of Works and Transport (Works Sector), Amb. Eng. Aisha Amour, has directed the Engineers Registration Board (ERB) to develop a plan that will attract more engineering technicians to register. The move is part of the government's efforts to increase participation and recognition of Citizen Technicians in national projects.

In her opening remarks during the 5th AETD, Amb. Eng. Aisha reiterated the government's commitment to strengthening training of technicians by investing in existing technical colleges and expansion by establishing additional institutions to cope with skills requirements to expand and sustain infrastructure base for the growing economy of the country.

The Annual Engineering Technicians' Day (AETD) 2023, held at Rock City Mall Ground was accompanied by exhibitions, mainly of technologies and products made in Tanzania. The highlight was display of two electric car projects from the University of Dares Salaam and KAYPEE Motors. The prototypes were exhibited to showcase the latest advancements in the field of electric vehicle technology.

With the government's emphasis on improving technical education and involving technicians in national development projects,

the ERB's efforts to increase the registration of engineering technicians are expected to play a critical role in addressing the shortage of skilled professionals in Tanzania's engineering sector.



Picture: Permanent Secretary Ministry of Works and Transport (works), Amb. Eng. Aisha Amour speaking during the fifth Annual Engineering Technician's Day held at Mwanza from 04th to 5th May 2023.

Practicing Engineers congratulate the Board on the renewal process at Lake Zone



Picture: ERB staff continued to provide various services including registration and renewal of practicing engineers' licences at Rock City Mall during the fifth Annual Engineering Technician's Day held at Mwanza from 04th to 5th May 2023.

The Engineers Registration Board (ERB) used the Annual Engineering Technicians' Day (AETD) platform to renew Engineers Practicing Licence. The Renewal of Engineers Licences was conducted at Rock City Mall, Mwanza from May 1 to 5, 2023. The exercise was part of AETD.

Engineers Registration Act Cap 63, requires all professional and consulting engineers have valid practicing licences. A practicing licence remains valid for a maximum period of three years, it may be renewed upon demonstration of the Engineer of 90 Professional Development Units (PDUs). One PDU is equivalent to one hour spent by an engineer learning a new skill relevant to the field.





Engineering Technicians acknowledged as key contributors to national development: ERB Chairman

Picture: *The chairman of the Engineers Registration Board, ERB, Eng. Adv. Menye Manga speaking during the fifth Annual Engineering Technicians' Day (AETD). Eng. Adv. Menye was the Guest of Honour on the closing day on 05th May, 2023*

In a significant address during the 5th Annual Engineering Technicians' Day (AETD) held in Mwanza from the 4th to the 5th of May, the Chairman of the Engineer Registration Board (ERB), Eng. Adv. Menye David Manga highlighted the crucial role played by engineering technicians in driving the country's economic development.

During his address, Eng. Manga emphasized the indispensable role played by technicians, "Engineering technicians play a crucial role in the development of our nation." His words resonated with the technicians in attendance, underscoring the importance of their work in advancing various sectors of the national economy.

The AETD event this year boasted a diverse range of activities, one of which was the impressive

display of innovation of electric cars by Tanzanians. This groundbreaking achievement showcased the talent and ingenuity of Tanzanian innovators, who are continuously pushing the boundaries of technological advancement.

The AETD served as a platform to acknowledge and celebrate the accomplishments of engineering technicians, while also inspiring them to continue their invaluable contributions to the nation's growth. Eng. Menye Manga's address underscored the significance of their roles and their potential impact on Tanzania's development journey.



Pictured: *Amb. Eng. Aisha Amour (Works), Permanent Secretary Ministry of Works and Transport, (kitenge dressed) together with ERB Chairman, Eng. Adv. Menye Manga, (wears glasses), Eng. Bernard Kavishe, (first right) ERB Registrar, and Balandya Elikana, (first left) Mwanza Regional Administrative Secretary (RAS) during 5th AETD, 2023 conducted in Mwanza.*

Electric car innovations exhibited during 5th Annual Engineers Technicians' Day, 2023

These prototypes provides a future towards environmentally-friendly transportation and revealed growth in skills among Tanzanian Engineering Practitioners.

The transport sector in Tanzania is set to receive a boost with the introduction of electric cars, as showcased during the Annual Engineers Technicians' Day (AETD) held in Mwanza from the 4th to the 5th of May. The conference served as a platform for experts to discuss showcase innovations in the transportation sector.

Eng. Benedict Mukama, chairman of the organizing committee explained that the event was a forum for technicians to advance their profession and align with nation's development plans and provide a platform for showcasing their contribution to the socio economic development of

the country, it was also an opportunity to network among sector stakeholders.

During the conference, two locally manufactured electric vehicle prototypes were exhibited. They are designed and built by the College of Engineering and Technology (COET) at the University of Dar es Salaam, while the other was designed and built by a private startup, Kaypee Motors, a company based in Dar es Salaam founded by a famous cartoonist Masoud Kipanya. These prototypes provides a future towards environmentally-friendly transportation and revealed growth in skills among Tanzanian Engineering Practitioners.

The display of these electric cars was accompanied by presentations and inspirational speeches on ascertaining local participation towards reduction of carbon footprint and foreign dependency in Transport sector.



Picture: *The electric car innovator, Ali Masoud (kipanya) explaining how the car works in front of the Permanent Secretary Ministry of Works and Transport (works), Amb. Eng. Aisha Amour, in exhibitions during 5th AETD, 2023 in Mwanza.*

Successful 5th Annual Engineering Technicians' Day (AETD) held in Mwanza

In a significant development for the technicians' community, the 5th Annual Engineering Technicians' Day (AETD) was recently celebrated in Rock City Mall Mwanza. This is the first time to be held outside of Dar es Salaam since 2019. The gathering witnessed an impressive turnout of 607 technicians surpassing the target of 500 attendees. The event has been hailed as a great success, prompting organizers to plan future meetings in different regions to further engage with technicians.

Eng. Bernard Kavishe, ERB Registrar, expressed his satisfaction with the increasing participation over the years. "Our target was to have 500 participants, and we are delighted that we exceeded this target. Last year, about 450 technicians participated, so we have seen a notable growth in attendance," said Eng. Kavishe.

Eng. Kavishe insisted that "significance of the gathering cannot be understated, it serves as the largest platform for technicians to convene and discuss matters crucial to their professional existence and growth. Technicians also had the opportunity to engage in productive discussions, share their experiences, and exhibit various technologies and products related to their fields".

One major concern highlighted during the meeting was the relatively low number of registered-certified technicians. Eng. Kavishe emphasized the importance of registration and its value in recognition of qualifications of technicians.



Picture: Eng. Bernard Kavishe, ERB Registrar, speaking about feedback from ERB on a closing day during 5 th AETD, 2023 in Mwanza.

"We need to recognize the value of registration, the value of post-school training, and the value of strengthening registration criteria, even if the Professional Development Units (PDUs) were introduced to you, it would be helpful". "Registration is a legal requirement, it is a relatively new requirement, that is still very simple in terms of requirement and very affordable in terms of fees, to register and maintain the Licence, the process will eventually evolve and mature to a point where we will enforce implementation". "We were currently put more emphasis to awareness". "We are currently developing a framework for recognition by issuing licences on specializations which will require maintenance by annual professional development units (PDUs)", he added.



Picture: Eng. Bernard Kavishe, ERB Registrar, seating in an electric car designed and built by Tanzanian Engineering Practitioners from the University of Dar es Salaam, the car was exhibited during 5th AETD, 2023 in Mwanza.

29 engineers have taken the Oath - Mwanza

OATH TAKING SESSION TO THE PROFESSION ENGINEERS DURING THE OPENING DAY OF AETD - 2023



In a momentous event held at Rock City Hall in Mwanza, 29 engineers took oath during the opening day of the Annual Engineering Technicians' Day (AETD) celebration. This ceremony marked a significant milestone for these professionals as they pledged to uphold the highest standards of professional practice, conduct, and ethics.

The Engineers Registration (Professional Practice, Conduct, Oath and Ethics) Rules, 2014 [G.N. No. 278 of 2014] requires all newly registered Professional and Consulting engineers to take an oath before commencing their roles as professional Engineers. The oath serves as a solemn commitment to the principles and values that govern their profession, ensuring the protection and welfare of the public.

Advocate Mercy G. Jilala had the honour of administering the engineers' oath during the session. She emphasized the importance of upholding the oath in their daily endeavours as professionals, reminding them of the immense responsibility they carry to safeguard the welfare and well-being of society.



MEET A WOMAN WITH A GREAT DREAM IN THE FIELD OF ENGINEERING

“A woman can become an engineer or technician,” Christina Lucas, a second-year student.

The engineering profession is often seen as exclusive club, meant only few selected, mainly men. This perception is prevalent in many countries, gender disparity in Engineering is a global issue, in most countries, including western European economies, women engineers make less than 20% of the total population, this is probably a result of societal beliefs about women’s traditional roles. However, one young woman is challenging these stereotypes and pursuing her dream of becoming an engineer.

Meet Christina Lucas, a second-year student at Misungwi Community Development Technical Training Institute (CDTTI), whose passion for engineering has been with her since childhood. Initially drawn to mechanical engineering, Christina is now focusing on the pumping and pipe fitting program at CDTTI. Despite her determination, she had to overcome doubts from her own mother, who believed that engineering was not for girls.

Christina’s dedication to breaking down barriers in engineering inspired her to participate in the Annual Engineering Technicians’ Day (AETD) which was held in Mwanza from the 4th to 5th May, 2023. The event provided a platform for professionals



Picture: Christina Lucas, a second-year student at Misungwi Community Development Technical Training Institute (CDTTI), she is among the participants during 5th AETD, 2023 in Mwanza.

and students in the engineering field to showcase their skills and foster collaboration.

Christina’s quest and pride to become an engineer is an encouragement to other young ladies with similar ambitions. Her tale defies preconceptions and emphasizes the necessity of fostering a welcoming environment that promotes and supports women in achieving their aspirations.



Action Pictures during AETD 2023 - Mwanza

