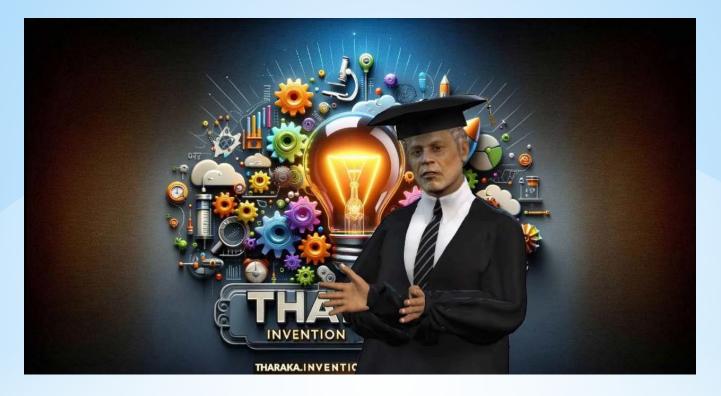
* Nurturing Future Innovators: The Intersection of Research, Enterprise, and Community Impact

"How nurturing innovation and applying research can lead to entrepreneurship that benefits both individuals and communities."

Chuka University Conference | Presented by Prof. Singer, Deputy Director, Tharaka Invention Circle, Mechanical/Solar Engineer

October 23-24, 2024



* Director of Tharaka Invention Academy



* Our time to shine has come



*Introduction

*Welcome to this important conference. Today, we'll explore how research, enterprise, and community impact work together to nurture future innovators.

*Introduction



*Future Innovators



*The Role of Research: Exploring New Frontiers



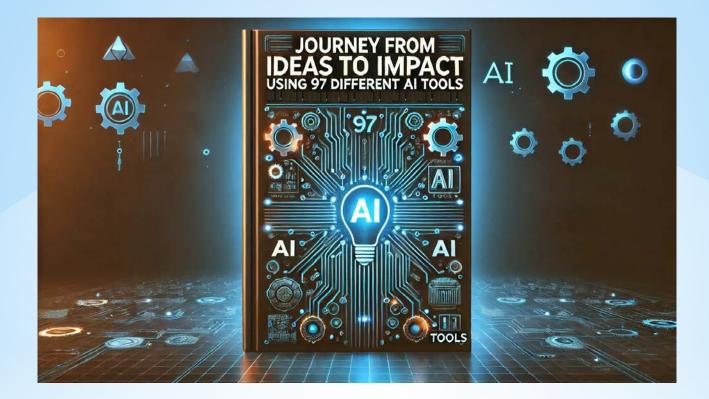
* The ubiquitous smartphone permits almost all of us to access an increasingly powerful research tool.

REDUCED BARRIERS TO ENTERPRISE

- Access to Technology & Internet
- Microfinance & Alternative Funding
- Lower Business Costs
- Global Knowledge Access
- Mobile Payment Systems
- Shift in Social Norms
- Improved Logistics
- Government Support



*Reduced barriers to Enterprise



* This FREE book for innovators addresses the elephant in the room: Artificial Intelligence. Request your free copy at tharaka.inventionschool.tech/97_AI_Tools



*Research in Action: Practical Applications



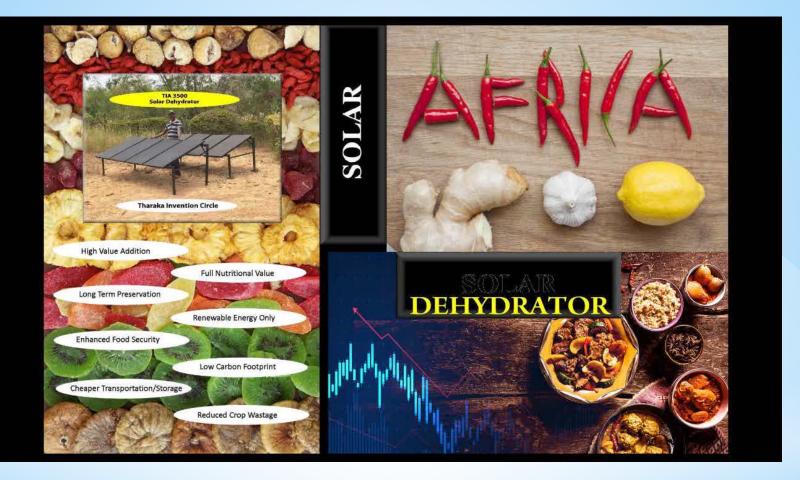
*Every failure is a new opportunity. Ask Thomas Edison...



*Enterprise: Turning Ideas into Solutions



* Case Study: Manual Washing Machine (Video)



* Case Study: TIA 3500 Solar Pryer

*Innovation happens when ideas move from research to enterprise, creating solutions that generate both economic and social value.

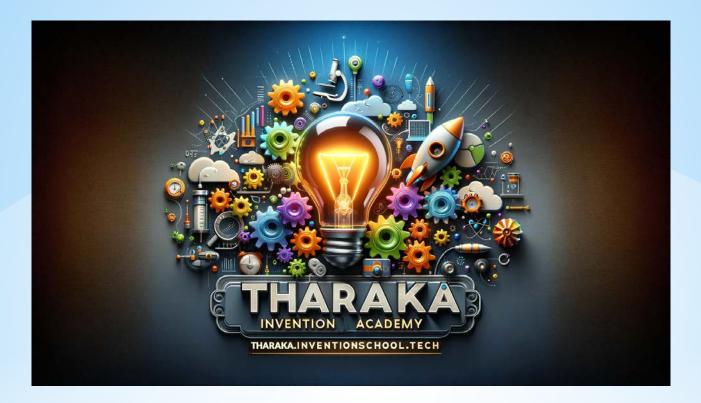
> * Virtually every human endeavor can be touched by innovation.

paleontologist choreographer forester anthropologist attorney marine chef surgeon biologist strategist interior pilot ator developer sculptor writer engineer filmmaker psychologist specialist negotiator developer toxicologist sculptor chemist teacher artist journalist geneticist microbiologist data actor seismologist environmentalist inventor thologist archaeologist archaeologist thologist pathologist archaeologist pathologist architectopist manager musician botanist educator metallurgist robotics game manager musician geologist illustrator illustrator physicist nanotechnologis virologist economist geologist additor astronaut mathematician scientist editor oceanographer horticulturist dancer agronomist cyl appraiser cybersecurity fashion sociologist hydrologist director architect sound consultant researcher veterinarian biotechnologist astronomer meteorologist technologist herbalist climatologist immunologist mediator epidemiologist neurobiologist optometrist

* ANYBODY CAN BECOME POWERFUL INNOVATORS, INVENTORS, AND PROBLEM SOLVERS IN AFRICA.



*Building Sustainable Businesses



* At Tharaka Invention Academy, we encourage students to think beyond prototypes and develop scalable business solutions.



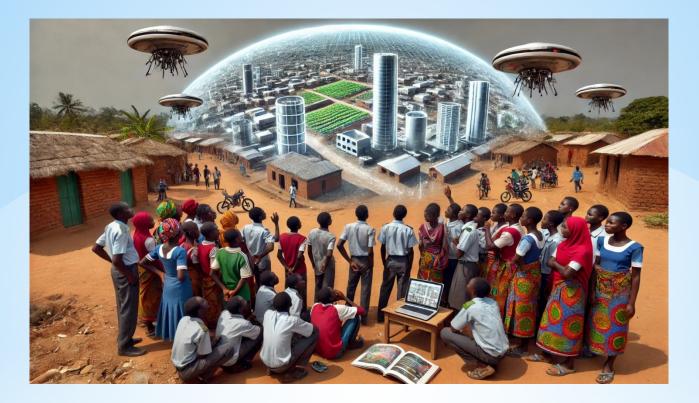
*Community Impact: The Heart of Innovation



*Local Innovation for Global Impact



* Students use drones equipped with sensors to monitor soil health and use AI models to predict crop yields. The system automatically adjusts water, and nutrients based on real-time data.



*Collaboration and Scaling Innovations

*Partnerships with local and global organizations ensure that innovations are scalable, sustainable, and impactful. African students and community members are engaging with a futuristic holographic projection of their village, featuring radical technologies like autonomous transport and vertical farming.

* Moving away from colonial education models is liberating, unleashing the creativity and true potential of our youth.



* Conclusion: A Call to Action

*"We must rethink research, foster an entrepreneurial spirit, and ensure our innovations serve the greater good."

Prof. Singer, Mechanical/Solar Engineer



*Questions and Discussion