

Concept Note: Engineering Innovation Challenge in Partnership with IEEE

Title: Innovate & Build: IEEE Engineering Solutions Pitch Challenge

Introduction:

The Africa Center for Digital Transformation seeks to foster innovation and practical problem-solving skills among young engineers and technologists through the "Innovate & Build" Engineering Solutions Pitch Challenge. This event aims to leverage the extensive network, expertise, and resources of IEEE to facilitate hands-on engineering experiences, empower young innovators, and catalyze tangible solutions to real-world challenges.

Program Overview:

The event will engage participants in teams to tackle predefined engineering problems using provided components. Teams will be required to conceptualize, design, and build practical, innovative solutions culminating in a pitch session before a panel of judges.

Objectives:

- Encourage practical engineering problem-solving skills.
- Foster innovation, creativity, and collaboration among participants.
- Connect aspiring engineers with professional industry standards and global practices.

Role of IEEE:

- Provision or facilitation of engineering components essential for solution development.
- Technical support and mentorship leveraging IEEE's network of professionals.
- Contribution towards adjudication through expert judges or panel members.

Role of Africa Center for Digital Transformation:

- Event organization including venue, logistics, registration, and participant coordination.
- Promotion and marketing of the event across various educational and professional networks.
- Coordination and facilitation of the pitch event, ensuring a structured and engaging experience.

Expected Outcomes:

- Practical, innovative solutions addressing specific engineering challenges.
- Increased practical engineering competencies among participants.
- Enhanced collaboration between IEEE and local engineering communities.

Call to Action:

We warmly invite IEEE to partner with us in this initiative to cultivate innovation and practical engineering skills. Through IEEE's invaluable support, we can jointly provide aspiring innovators with the opportunity, resources, and expertise needed to build viable, impactful solutions.