



Breakout Session 3 on Networking

**UNIVERSITY OF SCIENCE
TECHNOLOGY ENGINEERING FOR
ENTREPRENEURSHIP (STEE)**

**GAMBIA TECHNICAL TRAINING
INSTITUTE**

MR. EDWARD CEASAR MANSAL

ACE CoE Networking

◆ 3 main topics areas of partnering with other ACE CoEs

◆ **Topic areas for partnering:**

1. **Power Generation Systems and Power Stabilization.**
2. **Innovations in Agricultural Mechanization.**
3. **Automation in construction and autonomous machines.**

◆ **Our key needs:**

1. **Improved workshops and laboratories**
2. **National and international Internship to understand short falls in:**
 - power systems,
 - mechanizations in agriculture,
 - impact of automation in construction systems.
3. **Research funding and Partnering opportunities.**

ACE CoE Networking Contd.

◆ Our key offers

1. **Support of National policy on research and innovation.**
2. **Accommodation for visiting participants (Professors, Graduate, Undergruates and experts) from partner institutions.**
3. **Students from partner universities could be connected with local industries through the engagement of the accreditation body and Ministry of higher education.**

ACE CoE Networking Contd.

◆ Ways of setting up the network

1. Identify partners to network within:

- Institutions
- Professional groups
- Organizations etc.

2. To make known our network objectives.

3. Enter into an MOU with the partner institution or groups

Networking with other ACEs

◆ Ways of setting up the network

4. Infrastructure

- **Website** – Indicating membership, what the network represent, News, Research findings,
- **Resource persons** – to manage the activities of the network

5. Research and innovation group in the areas mentioned above

Networking with other ACEs

◆ Thematic ACE group we would like to partner with.

1. Groups working on programs in

- Civil engineering groups
- Electrical or electronic engineering groups
- Agricultural engineering groups
- Mechanical engineering groups

2. Research and innovation group in the areas mentioned above

Breakout Session
4
Moving forward
into Full
Implementation

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Implementation

Describe an issue that your Center has successfully addressed in moving into the full implementation phase of the project. Focus on Faculty Engagement, Student Engagement and Welfare, Matching Earning and Spending, or Looking towards Sustainability.

- ◆ The center has recently achieved its first two DLI's that is basic readiness and has since started implementing some of our programmes. The issue of selecting students to pursue the PhD programmes as well as those for BSc.
- ◆ Establishment also of a fully operational Center housing the BSc programmes and the first cohort has already finished their pre-engineering courses in mathematics, Physics and Chemistry, and hopefully will be joining the 2020/2021 WASSCE graduates.
- ◆ Describe how this approach can be translated to other Centers

Implementation

- ◆ **Identify up to 3 challenges you face as a Center or a Center Leader in moving from IP to Implementation.**
- ◆ Delay in acquisition of site or property for the construction of the USET complex expected to house the ACE Center.
- ◆ Signing of the contracts with mentoring universities.
- ◆ The constraints posed by the pandemic.
- ◆ Constraints in meeting the target number of students.

◆ Measures taken during the opening schools:

1. Provision of temperature checkers
2. Stationing of hand sanitizers at strategic locations
3. Enforcing the wearing of face masks.
4. As a business continuity plan with relations to health in the form of a response team between the institute and health centers.



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Center Update

➤ **Main transformation our CoE wants to achieve with the ACE project:**

1. Train both STEE/GTTI lecturing staffs and Management to the highest level of qualification.
2. The STEE /GTTI has Renovate eight classroom block within GTTI into a state of an art classrooms to accommodate the first-year students of the BSc programs.
3. Refurbishment of those classrooms into a state of an art Teaching and learning through the provision of video conferencing facilities, smart board, with projectors and the provision of unlimited internet access for both the students and the ACE staff.

Center Update contd.

➤ Main transformation our CoE wants to achieve with the ACE project:

4. Come 2024 the vision is to establish USET fully accredited with all the desired programmes and qualified lecturing staff (Professors).
5. It is also hoped that the center to have fully equipped labs to facilitate research and development and to become a model in the sub region with its young graduates and entrepreneurs.

Center Update contd.

- ◆ **What results have you already achieved. How does it compare with your situation in 2019 and your objective in 2024.**
 1. Classroom block renovated to meet university standards.
 2. Renovated AU 4 villas for visiting lecturers.
 3. Procurement of standard classroom furniture for the classrooms.
 4. Procurement of state-of-the-art video conferencing facilities for distance learning.

Center Update contd.

- ◆ **What results have you already achieved. How does it compare with your situation in 2019 and your objective in 2024**
 5. Recruitment of 7 PhD students pursuing their program in KNUST
 6. Enrolled BSc completed their pre-engineering program awaiting their results to move into the program proper.
 7. Ongoing Negotiations with mentoring universities DMU and KNUST. and on how to enter into a contract once the center is declared effective.

Center Update contd.

◆ Except Covid the main challenges we face, and would like to discuss with the other CoEs are:

1. The Provision of laptops for both the PhD and BSc students.
2. Could not meet the target number of students as we await the release of 2019/2020 academic results.
3. Internet connectivity in this period of COVID-19 pandemic.
4. Erratic electricity supply.
5. full readiness attained



Breakout Session 2

Center Resilience in a Covid Era

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The Challenges

- ◆ In one sentence, describe a challenge that your Center and/or University faced in coping with the Covid pandemic. For example, consider teaching, research, student welfare
 1. Provision of internet access in the form of Data bundles to run online classes.
 2. Production of hand sanitizing equipment for any communicable disease prevention.
 3. Google suite platform
 4. Extension of internet support for the ACE scholarship students
 5. Installation of video conferencing facilities to support the delivery of classes



1. “Sawer” by the way is a word from our local dialect *Wolof* meaning: *Your Health*. The Total number of Sawer manufactured so far:

- a) 200 litres single outlets 35
- b) 200 litres Double outlets 16
- c) 100 litres single outlets 89

2. Communities/Institutions distributed so far:

1. GAMWORKS

2. MUNICIPALITIES

3. SCHOOLS

4. HOSPITALS



The Challenges:

- ◆ Identify a challenge that your Center has struggled to address in the current pandemic situation
 1. Erratic power supply
 2. Internship for students
 - It was unfortunate that we were not able to involve all the students, but a handful had the chance to participate extensively during the COVID period.
- ◆ What advice would you need from other Centers
 1. On how to migrate from using solid fuel form of energy to green energy.
 2. With KNUST ; To Collaborate with their energy center to solve the energy problems as a means of migration from traditional sources of energy to more efficient sources.