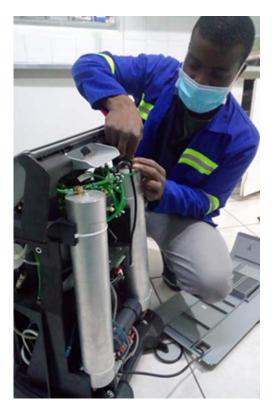
Biomedical Equipment Engineering Training:

Building Capacity to Mitigate "Junk for Jesus" in Mission Hospitals



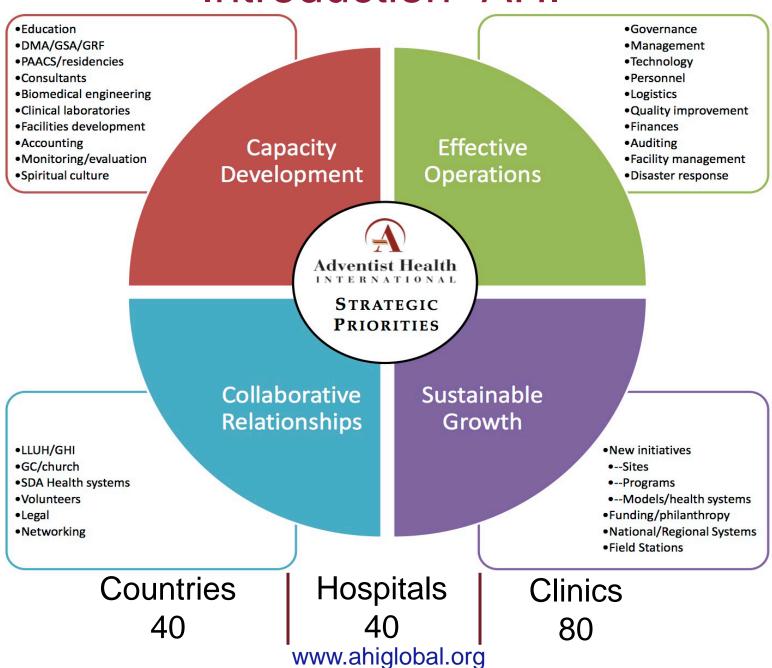






LLU Global Healthcare Conference

Introduction "AHI"



Presentation Objectives

- »To provide awareness of the benefits of biomedical equipment training for capacity development
- »To highlight the importance of partnership among stakeholders for capacity development.

Junk for Jesus?







Junk?



Background & Problem Statement

- »Significant shortage of skilled technicians
- Saturation of low-standard equipment in the market
- »Poor maintenance culture
- »High cost of outsourcing and contracting repairs and maintenance
- »The "Junk for Jesus" situation



AHI Initiative

AHI-Global sponsors a cohort of 15 trainees from selected institutions in Africa, for the Diploma in Biomedical Engineering Technology (BMET) at Valley View University during the Summers of 2019 to 2021



Front L-R: Isaac, *Nigeria*; Watson, *Liberia*; Hope, *Malawi*; Maxwell, *Ghana*; Nicolas, *Chad*; Peter, *Malawi*; Dickson, *Malawi*; Emmanuel, *Ghana*; Boemo, *Botswana*; Victor, *Sierra Leone*; Michel, *Madagascar*;

Back L-R: Nascimento, *Angola*; Solomon, *Nigeria*; Emmanuel- Host Instructor, *Ghana*; Jacob- Assistant Instructor, *Ghana*; Samuel, *Kenya*; Dennis, *Zambia*;



A Vision for the BMET Program

To train the cohort of students on basic biomedical equipment <u>procurement</u>, <u>maintenance</u>, and <u>repair</u>



The Partnership (4 Parties)







Valley View University (VVU)



15 Selected Institutions



The Partnership (4 Parties)

Perceived drives for Success & Sustainability

Student

(Improved skills, recognized certificate, commitment)

Institution

(Improved services and institutional reputation)

Win-Win

VVU

(Improved rating and institutional reputation)

AHI

(Advanced AHI vision & mission)









AHI Zoom Meeting with **BMET Program Cohort** Tuesday, July 21, 2020

Maxwell- VVU Hospitals, Ghana

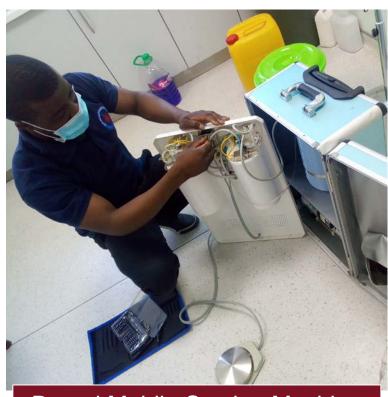






"Routine maintenance work on equipment"

Dickson- Blantyre, Malawi



Dental Mobile Suction Machine





Oxygen Concentrator

Fixed an incubator to save the life of a baby in critical condition



Hopekings- Malamulo, Malawi





"Low oxygen output and circuit board issues fixed"

Peter- Lilongwe, Malawi







Anesthesia Machine



"Ventilator for anesthesia machine...and temperature control issue for incubator fixed"

Isaac- Ile-Ife, Nigeria





"Water pump of autoclave machine fixed"

Emmanuel- *SCGC Facilities, Ghana



*South Central Ghana Conference Hospitals

Hart, Nobewam & Konkoma

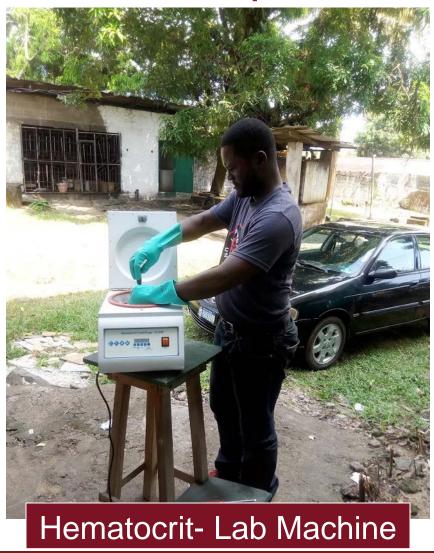


"Anesthesia Machine- Leakages in breathing circuit and monitor not working. Both fixed.

Anesthesia Machine

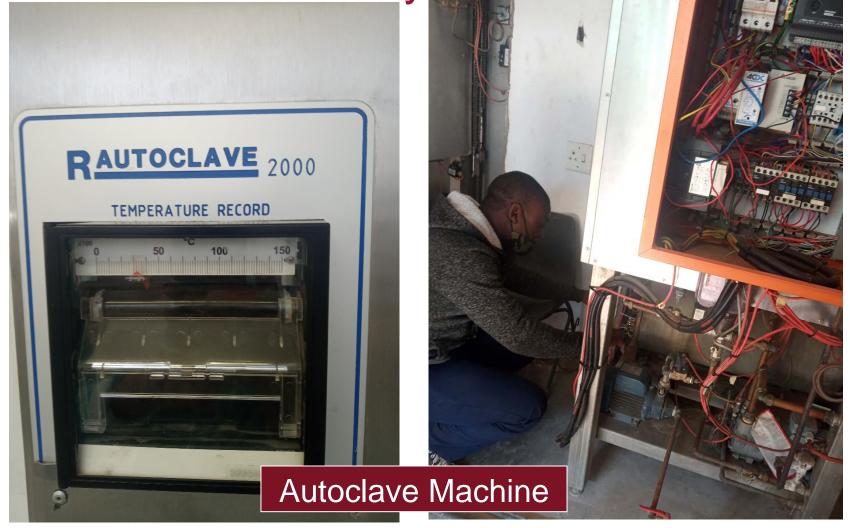
...routine maintenance work on dental chair"

Watson- Cooper, Liberia





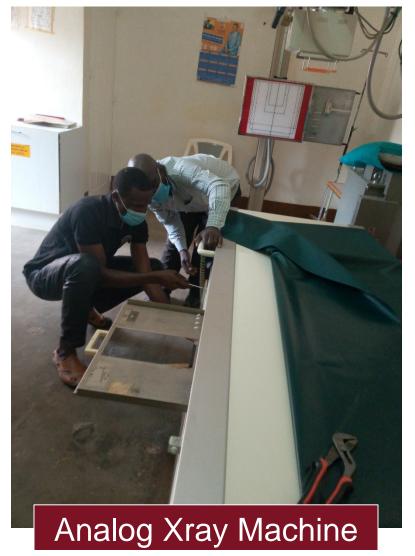
Boemo- Kanye, Botswana





"Machine couldn't remove moisture. It is now fixed"

Samuel- Kendu, Kenya





"Repaired xray and autoclave equipment"



Solomon-Jengre, Nigeria

Xray Machine

Microscope

Oxygen Cylinder



"Routine maintenance and repairs on Xray, lab and OR equipment"

Dennis- Mwami, Zambia



Anesthesia Machine



"Fixed gas leakage on anesthesia machine...As a government paid-staff, I also provide biomed engineering for the Province with large hospitals in 13 districts"

Victor (Class Rep)- Waterloo, Sierra Leone

Blood Bank



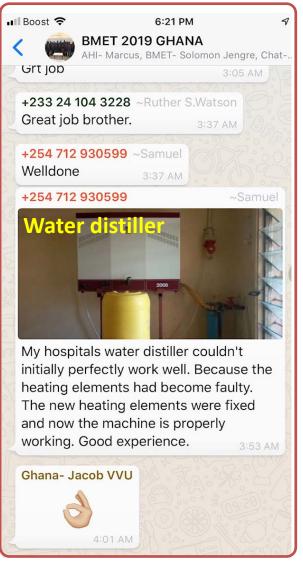


Platform

Case #1- Blantyre



Case #2- Kendu



Case #3- Lilongwe



Partnership in Curriculum Development





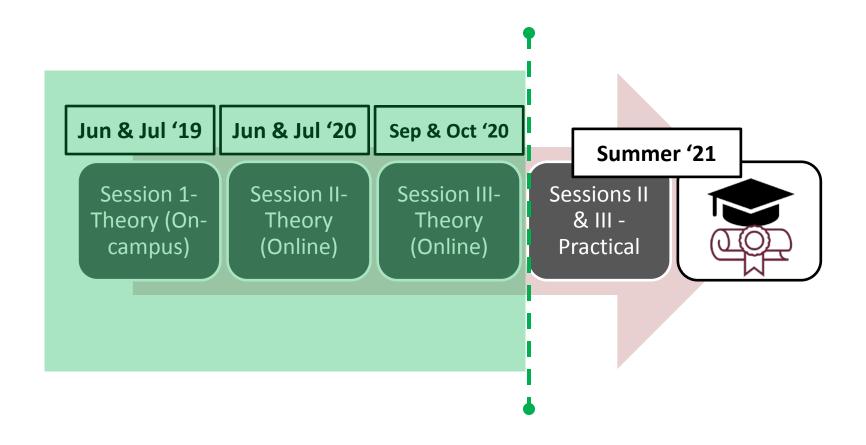


\$7,500.00

A part of the \$7,500.00 grant received by VVU will be used for the purchase of basic tools for the students



Timeline



Practical Session for Next Year







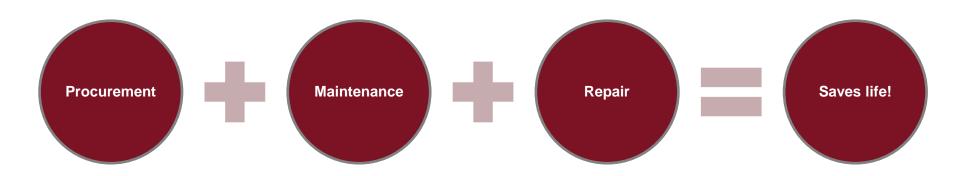






Conclusion

Our Vision Formula



Otherwise, it is "Junk for Jesus"!



Thank You!!











All 15 Adventist Healthcare Institutions



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