SolarSPELL BMET Library
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Motivation
- Organizations donate up to 80% of equipment used in hospitals and clinics in developing countries. However, age of devices and lack of information about devices leads to 40% of devices being out of service, and thus preventable deaths.
- SolarSPELL BMET library created and piloted in 2017 in Tanzania and Rwanda.
- Offline library contains user and service manuals for technicians in resource-constrained areas.
- SolarSPELL BMET library gives technicians access to critical resources, such as machine user and service manuals.

Underlying Technology
- SolarSPELL unit creates a WiFi hotspot when turned on - about 25 devices can connect at a time.
- Anyone on the hotspot can access the materials on the library, even without internet access.

Building BMET Library
- Add and improve content of BMET library by contacting medical equipment manufacturers for user and service manuals.
- Solidify partnership and pilot training plan with Makerere University, Uganda.
- Formulate implementation plan and refine training.
- Apply for grants for funding of project.

Spring 2020 Accomplishments
- Changemaker Challenge Grant finalist.
- Solidified partnership and formulated BMEHOP Training Implementation plan with Makerere University, Uganda.

Obstacles
- No response from manufacturers.
- Coronavirus restricting travel plans to Makerere University BMEHOP Training Implementation Event.
- Awaiting responses from partners.

Future Work
- Continue to add and improve content of BMET library.
- Travel to Uganda during 2020 winter break to implement training of the library.

Acknowledgements
We would like to thank Dr. Hosman, Bruce Baikie, and the SolarSPELL staff in giving our team the tools we need to accomplish these goals! We would also like to thank Sarah Patterson for continuously helping continue her legacy with this project!

References

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References