TECHIES WITHOUT BORDERS

2019 ANNUAL REPORT

Message from the President

Techies without Borders extends a "Three Thumb Drive" salute to all the frontline personnel taking up the head-on battle with COVID-19.

In our 2019 Annual Report, we highlight projects that we focused the most in the last year, our financial health, fundraising activities, and partnership with other non-profit/for-profit organizations. We have a special mention and welcome to our new member, Ms. Julia Anderson, to the Board of Directors.

In the time of a co-operative global effort to fight COVID-19, the stories of healthcare workers are a great source of inspiration to our mission of enabling information and communication flows to those who need it the most. It is our privilege to share some of the stories with you via our social media.

The world remains a warm and welcoming place. It is our hope that the pandemic challenge we face today will draw us all closer and together - without borders.

Dr. Manoj Thomas

Statement from the CFO

During 2019, Techies Without Borders raised $10,834.83 for our efforts in the Oceania Region. Money raised included amounts from individual contributors as well as organizational affiliates. Since the IT team and Board of Directors volunteers their time, administrative expenses were kept to a minimum and only accounted for approximately 2% of all money spent in 2019. Going forward, Techies Without Borders intends to continue to keep administrative costs low by using novel delivery systems for the CMES Project.

Program expenses for 2019 included amounts for the CMES technology devices (USB and Raspberry-Pi), mailings, and implementation and training. TWB received in-kind donations from Microsoft for server support; Dataplicity for tracking IT usage; and Amazon Smile profit sharing. Detailed financial breakdowns can be found on our website. https://techieswithoutborders.us
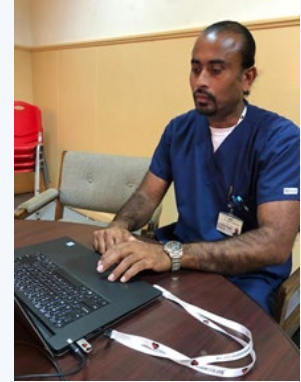
In the fall of 2020, TWB is looking to expand and plans to raise $12,000 dedicated to continued medical education specifically for the African region. We feel there is no better time than during the COVID-19 pandemic to continue our work of bringing up-to-date and life-saving medical information to practitioners in isolated regions of the world...one doctor and nurse at a time.

Jennifer Borneman

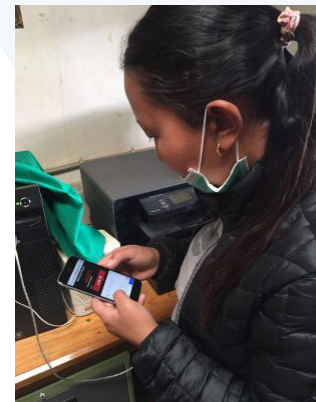# Continuing Medical Education on Stick (CMES) & CMES-Pi

- The CMES and CMES-Pi Projects use thumb drives (USB) and/or a small hand-sized computer called a Raspberry-Pi to deliver monthly Emergency Medicine, Primary/Rural Care and Core Content medical education to doctors and nurses working in remote regions globally. The CMES Project continues to expand and by the closure of 2019 it was in 15 countries; Nepal, Uganda, Nigeria, Democratic Republic of Congo, Antigua, St. Lucia, Guatemala, Ecuador, Dominican Republic, Fiji, Samoa, Tonga, Tuvalu, Solomon and Cook Islands.

- In January, Dr. Debra Stoner installed a CMES-Pi in the Emergency Department of Victoria Hospital, St. Lucia supplementing the thumb drives (USB) already used by the Emergency Department staff since 2018. St. Jude's Hospital in the southern part of St. Lucia received training and 20 USB for the medical staff.

- In November, Dr. Manoj Thomas and Sebastian Boell, from the University of Sydney, installed a Pi at the Tupua Tamasese Meaole Hospital, Samoa, and trained the staff. They also installed a Pi and trained the medical staff at Lautoka Hospital, Nadi Hospital and Sigatoka Hospitals, Fiji. The Pi also supplements the USBs given in 2018.
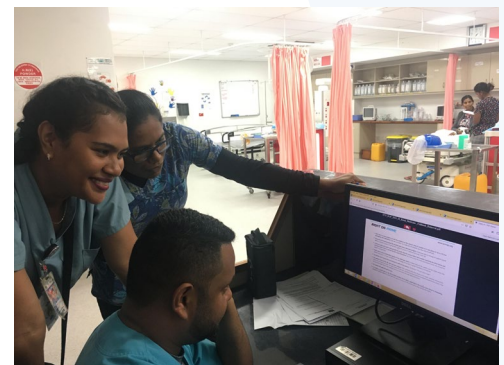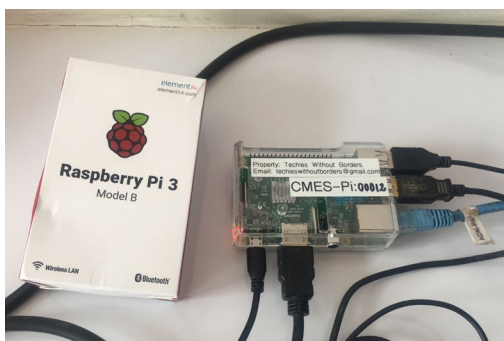

Dr. Joseph, ED Medical Director
at St. Jude Hospital, St. Lucia

Pi on the Go

- An innovative solution for delivering continuing medical education (cme) to remote healthcare professionals. The CMES-Pi solution required an Internet connection for monthly updates...until now. Now hospitals and clinics lacking the Internet can install a Pi on the Go which is a wireless access point, stand-alone unit.

- Smartphone apps or desktop computers connect to the Pi which acts as a library.

- Every few months the Pi is updated by one dedicated health professional who plugs it into their home Internet. Once plugged into the Internet it automatically receives all new updates from the TWB cloud-based server.

- The impact is appreciated when you understand Nadi, Sigatoka and Lautoka Hospitals in Fiji use Pi on the Go...providing cme to one-third of Fiji's hospitals.

Dr. Mingma Sherpa
at Kunde Hospital, Eastern Nepal

Lautoka Hospital, Fiji

Global Presentations by the TWB Team

Dr. Yan Li, TWB co-founder, and BOD member presented a paper, "Adopting a theory of change approach for ICT4D project impact assessment – the case of CMES project" at the International Conference on Social Implications of Computers in Developing Countries, Dar es Salaam, Tanzania, May 1–3, 2019.

Dr. Manoj Thomas, TWB President, and Dr. Vera Sistenich, EM doctor from Sydney, Australia, presented in November at the 36th ACEM Annual Scientific Meeting in Hobert, Tasmania: "Between a Rock and a Hard Place: Ethical Dilemmas at the Coalface of Emergency Care."

Dr. Vera Sistenich

New Partner – HandUp Congo (HUC)

- HandUp Congo (HUC) https://www.handupcongo.org is a non-government organization based in Australia and registered with the Australian Charities and Not-for-profits Commission.

- It was created to make a difference in the health and well-being of the Democratic Republic of Congo (DRC) – a country that ranks at the bottom of the United Nations Human Development Index. HUC supports medical education in multiple sites around the country and community development work.

- TWB and HUC are working with the Democratic Republic of Congo's Emergency Medicine Association (AMURDC) to bring CMES to the Democratic Republic of Congo. To date, a pilot project with twelve doctors is evaluating the utility and need for up-to-date cme in the DRC. This will be reevaluated in the fall of 2020 for further deployment.

Volunteer Techies

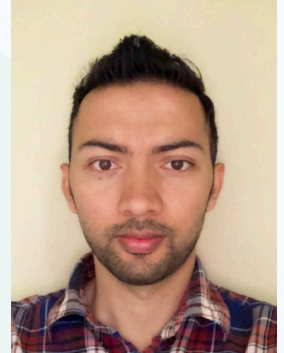## Joining the IT Team:

Sarah Lotherington

Sarah joined as an IT Project Manager putting her skills to work with our Salesforce platform, keeping the team informed and organized.

Chris Close

Chris is the Salesforce expert and helped TWB set up the nonprofit Salesforce platform saving us time and enhancing our organizations' communication.

Abinash Adhikari

Abinash's volunteer work for TWB centers around Web Application Development designing on the backend and making the magic happen.

Joining the Board of Directors:

Julia Anderson

Julia brings to the TWB Board her specialty in non-profit management as a leader in the social impact sector, keeping an eye on operational and administrative systemization.

Everyone at TWB volunteers their expertise, skills and time.

In 2019 we logged 3,142 volunteer hours.

More information about Techies Without Borders can be found here and about our financials here.