



Training Report Conference

Training Experience in Kyushu University Hospital

3rd Oct-30th Oct, 2019

Presented by
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Cisco Network Lab
UCSY
24.10.2019

To Attend TtT Program

- ◆ Rector of UCSY, Dr. Mie Mie Thet Thwin nominated as one of the IT engineers on behalf of UCSY to attend TtT program at Kyushu University Hospital invited by Pro.Shuiji SHIMIZU.
- ◆ Got permission from Ministry of Education and also visa from Japan Embassy, safely arrived Fukuoka on 3rd Oct, 2019 .

Participants in Engineering Group

1. Dr. Tin Aung Kyaw (Yangon General Hospital)
2. Mr. Phyo Lin Aung (University of Medicine, Taunggyi)
3. Ms. Zin May Aye (University of Computer Studies, Yangon)
4. Ms. Khin Nilar Tun (University of Medicine 1, Yangon)
5. Ms. Myo Thet Mon (Ministry of Health and Sport)



Kyushu University hospital



Engineer Group

Kick-off Training

The very first day of Training

- ◆ 4th October, 2019, from 9 am to 5 pm, is the very first day training experience. The Training venue is at TEMDEC, on the second floor of KUH.
- ◆ Received a book of “*Introductory Guide for Engineers*” for Telemedicine Conferencing. This book is supervised by Prof: Shuji SHIMIZU and Nakoi NAKASHIMA and edited by Kuriko KUDO and Yasuaki ANTOKU.

Trainers at Training

Trainers

1. **Kuriko Kudo, PhD**
2. **Shintaro Ueda, PhD**
3. **Yoshiko Houkabe**
4. **Shunta Tomimatsu**



Training Materials

◆ **Applied Software in Training**

VidyoDesktop, Zoom, Skype



◆ **Hardware Equipments in Training**

All technical support devices related with Video conferencing.(Servers for VidyoRoom, DVTS, Polycom, and audio mixer, sound mixer, camera controller, Selection panel, Audio level controller, and others)

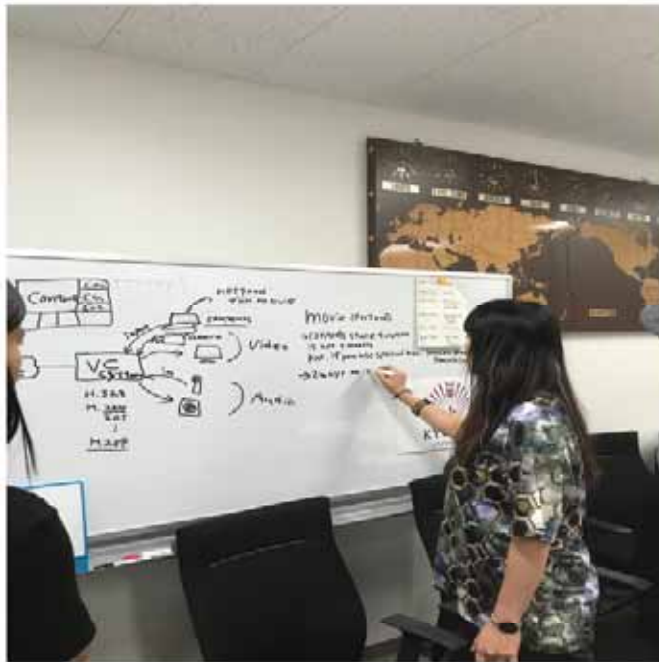
Lectures

- ◆ Learn how to apply video system
- ◆ Explain on the usages of software requirements and feasibility
- ◆ Design and setup for a VC system
- ◆ Technical preparations requirements
- ◆ Peripherals devices in VC
- ◆ Troubleshooting for Audio
- ◆ Test Audio best Practices

Hands on Lab

- ◆ Prototype design setup for a VC system.
- ◆ Transmission of Video contents (content sharing images, videos) and from a camera source
- ◆ Monitor on delay, quality of images, jitter, audio transmission problem solving, video transmission frame rate, bandwidth for the VC system and network environment (wired or wireless).
- ◆ Meeting room remote control, recording and streaming with Vidyo.

Hands on Lab and Lectures



Hands on Lab and Lectures



Achievement in participating in Train the Trainers Program

- ◆ The critical role of telemedicine conference
- ◆ The essential roles of engineers to support in a successful Teleconference
- ◆ The hardware-based and software-based requirements for the VC system
- ◆ Technical problem solving and troubleshooting for the VC system and hands on lab experience on practicing with VC equipments

Videoconferencing Application Selection

- ❑ videoconferencing application have the high image quality required for the telemedicine context ?
- ❑ bandwidth accommodate for the vc application ?
- ❑ the vc application have the functionality and performance required ?
- ❑ vc application easy to use ?

mmREN(Connection Infrastructure)

- ❑ DPLC (From UCSY to TACHELEIK(Myanmar Border)), IPLC (From TACHELIK To MaeSot(Thai) then to Singapore.
- ❑ BW is 45 Mbps and 4 Connection sites (UCSY,two Campuses of UM1,UCSM)
- ❑ Exterior Gateway Protocol - BGP,ASN (13884)
- ❑ It is connected to TEIN in 2018,and soon be Launched
- ❑ Further connections with universities and institutions in future and hope to have technical provisions to our REN.

Commercial and REN for Teleconference

- Each country has its own domestic research and education network (REN); these networks, in turn, are connected by international RENs.
- Commercial networks have limited and crowded transmission pathways.
- RENs are basically government funded and are now established in many developed and developing countries

Culture Experience

Fukuoka is well-known for its yatai food stalls, pretty Dazaifu Shrine, Tenjin shopping area and also have culture experiences and beautiful sightseeings around the visited areas during our stay in Kyushu.



Nanzoin Temple and world largest Reclining Buddha



Dazaifu shrine and museum



Kokura Castle (1602)

Staying in Hostel (Dormy Gofukumachi)



- Having homemade morning and evening rice from
- Monday to Saturday morning and evening.
- The meals are handmade that balance nutrition.
- Dormy Couple is hardworking and kind-hearted and the
- hostel is very well disciplined.

Conclusion

□ Myanmar is now trying for the development and improvement for all sectors in economic, education and advancement of technology with the co-operation of International organizations with high momentum.

□ It is undoubtedly that experience gained from TtT program are very valuable for our organization and universities and we are going to be shared the technology and practical experiences for the development of Telemedicine in our country.

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Conclusion

- For UCSY, it has a well chance to explain about the current connection status of mmREN and required technical provisions.
- Vividly seen very well-disciplined manner, hardworking on all respective duties and responsibilities as well as hospitality, sociality of all engineers and technical staffs in TEMDEC, Kyushu University Hospital.

THANK YOU

