

Bridging the Digital Divide in Myanmar

Presenter: Dr. Mie Mie Thet Thwin

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White House, Universiti Putra Malaysia



European Union



Bridging the Digital Divide in Myanmar, (WP6-2019)

❖Principal Investigator :

- Co-PI: Prof. Dr. Mie Mie Thet Thwin , Rector of UCSY, Yangon, Myanmar
- Co-PI: Ang Tan Fong: Senior Lecturer, Faculty of Computer Science and Information Technology, University of Malaya

❖Project Period :

- 20 months (May-2019 to Dec -2020)

List of Collaborative Participants

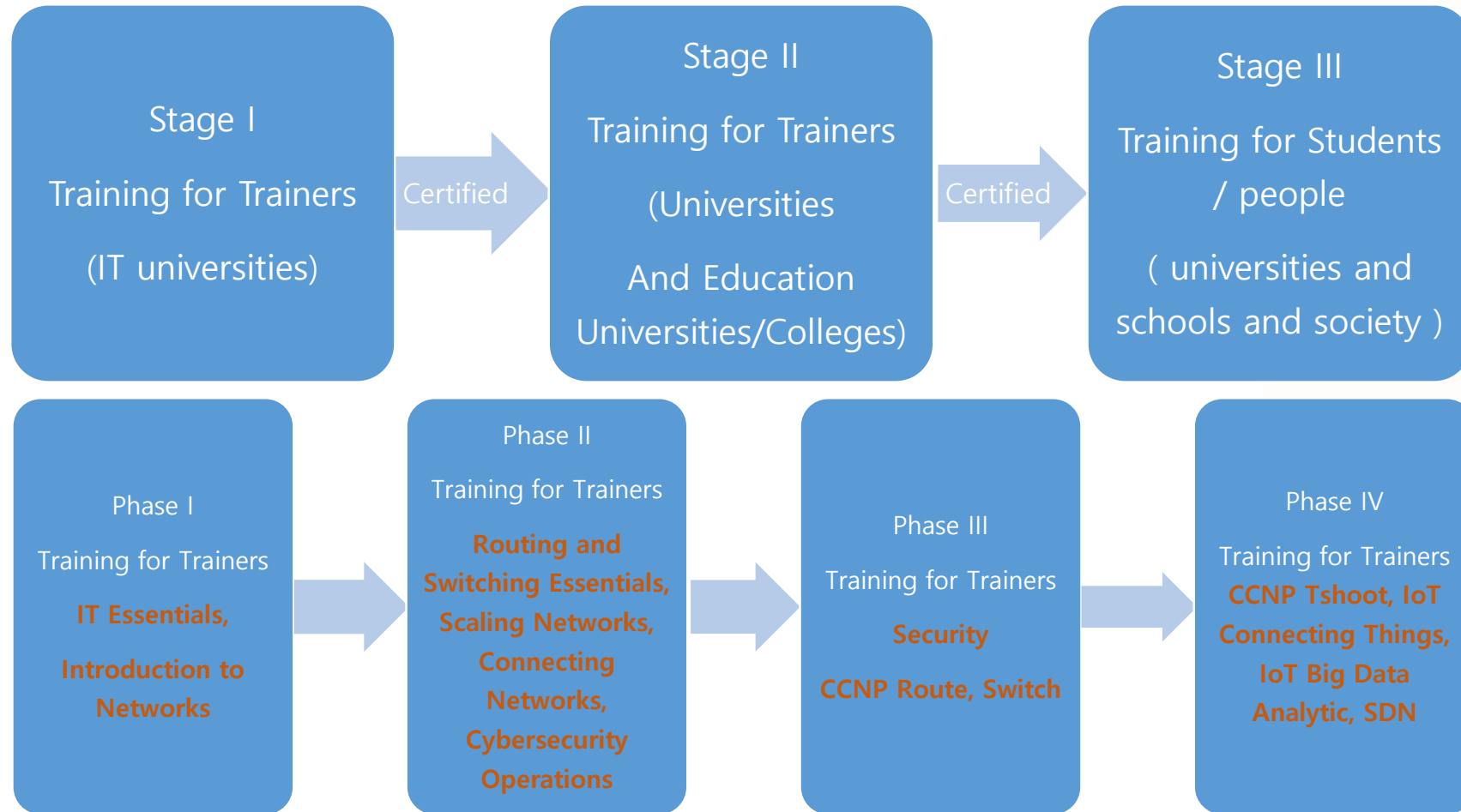
The team consists of a number of Certified Cisco Instructor to foster IT and Human Resources Development.

No.	Name	Organization	Country
1	Prof. Khin Mar Soe	University of Computer Studies, Yangon	Myanmar
2	Prof. Zin May Aye	University of Computer Studies, Yangon	Myanmar
3	Prof. Win Pa Pa	University of Computer Studies, Yangon	Myanmar
4	Prof. Aung Htein Maw	University of Information Technology (UIT)	Myanmar
5	Prof. Su Thawda Win	University of Computer Studies, Mandalay (UCSM)	Myanmar

Overview of the Project

- ❖ This project aims to enhance the capacity building for ICT human resources in Myanmar.
- ❖ The project will be carried out using the "Train the Trainer" (TTT) model" for long-term sustainability.
- ❖ The project will cover the key areas of specialization in ICT that face shortage of human resources which include IT essentials, computer networking, cyber security, network security as well as Internet of Things
- ❖ The knowledge transfer activities using TTT model will be conducted in several phases to equip the involved IT professionals with the necessary skills.
- ❖ The certified participants will conduct workshop and training to improve the society digital literacy skill.

Overview Diagram



The Activities and Phases of the Project

Activity	Duration (day)	Number	Target Audience	Phase	Schedule Date
IT Essentials	8	50	New Instructor	1	Apr/May 2019
CCNA R&S: Introduction to Networks	5	30	New Instructor	1	Apr/May 2019
CCNA Cybersecurity Operations	8	25	New Instructor	2	Nov/Dec 2019
CCNA R&S: Routing and Switching Essentials	5	30	New Instructor	2	Nov/Dec 2019
CCNA R&S: Scaling Networks	5	30	New Instructor	2	Nov/Dec 2019
CCNA R&S: Connecting Networks	5	30	New Instructor	2	Nov/Dec 2019
CCNA Security	8	30	New Instructor	3	Apr/May 2020
CCNP Routing & Switching - Route	8	20	Senior Instructor / ITQ	3	Apr/May 2020
CCNP Routing & Switching - Switch	8	20	Senior Instructor / ITQ	3	Apr/May 2020
CCNP Routing & Switching - Tshoot	8	20	Senior Instructor / ITQ	4	Nov/Dec 2020
IoT Fundamentals: Connecting Things	5	30	New Instructor	4	Nov/Dec 2020
IoT Fundamentals: Big Data & Analytic	5	30	New Instructor	4	Nov/Dec 2020
Software Defined Network	5	40	New Instructor	4	Nov/Dec 2020

Phase 1 – IT Essentials

Altogether 53 (7 male and 46 female) participants from different IT universities all around the Myanmar attended the training.

Duration & period: 8 days (20 May 2019 – 29 May 2019)

- ❖ The certified participants are registered under the Cisco Network Academy.
- ❖ The certified participants will conduct workshop and training to improve the society digital literacy skill.

ITE Agenda

- Day 1 - Introduction to Personal Computer System and Lab Procedures and Tool Use
- Day 2 - Computer Assembly, Overview of Preventive Maintenance
- Day 3 - Windows Installation, Windows Configuration and Management
- Day 4 - Networking Concepts, Applied Networking
- Day 5 - Laptops and Mobile Devices, Mobile, Linux, and OS X Operating System
- Day 6 - Printers, Security
- Day 7 - The IT Professional, Advanced Troubleshooting
- Day 8 - Exam

IT Essential (TOT)



20th – 24th May 2019 and 27th – 29th May 2019
WP6: Bridging the Digital Divide in Myanmar
(IT Essentials: PC Hardware and Software)

University of Computer Studies, Yangon, Myanmar

Main Collaborators:



Networking
CISCO Academy

Grant Sponsored by:



Phase 1- ITN- CCNA1 (Cisco certified network associate)

➤ Participants

Altogether 37 (6 males and 31 females) participants from different universities all around the Myanmar, attended the training at Cisco Lab, UCSY.

➤ Duration & period

5 days (27 May 2019 – 31 May 2019)

Cisco certified network associate- Agenda

Day1 - Explore the Network, Network Protocols and Communications, Configure a Network Operating System

Day2 - Network Access, Ethernet, Network Layer

Day3 - Transport Layer, Application Layer, IPv4

Day4 – Sub netting IP Networks, IPv6, Build a Small Network

Day5 - Exam

Phase1-ITN- CCNA1



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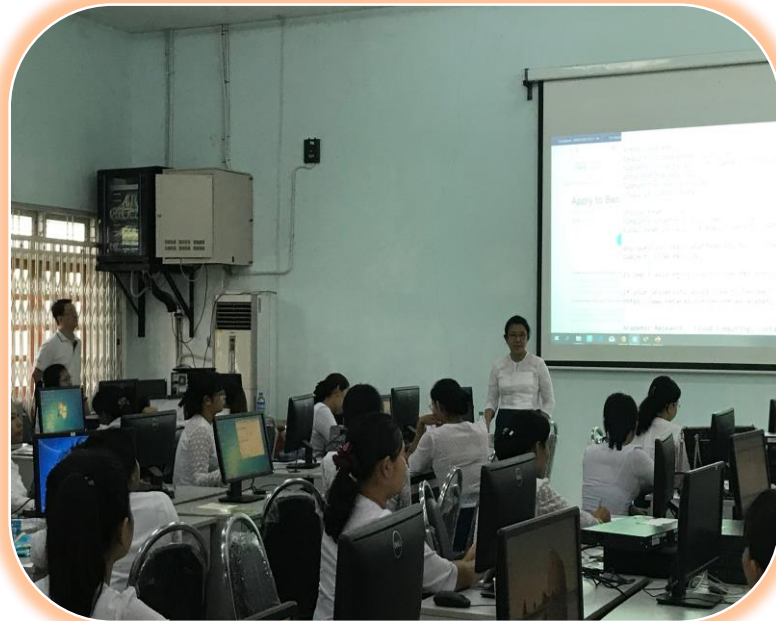
University of Computer Studies, Yangon, Myanmar

Main Collaborators:



Networking
CISCO Academy

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Phase1-ITN- CCNA1 (Cont)



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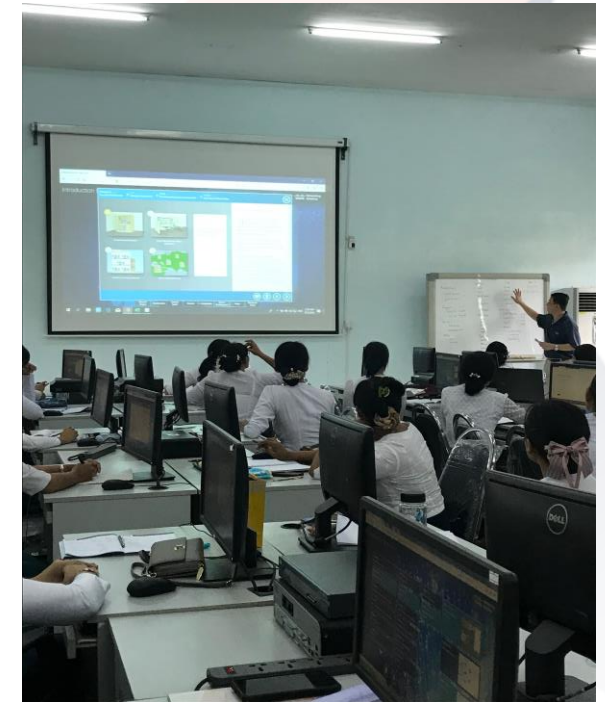
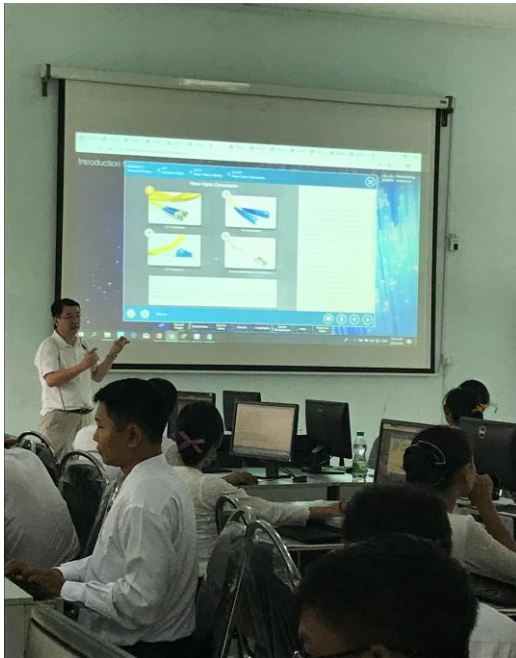
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Benefits of WP6: Bridging the Digital Divide

- ❖ The project will provide in depth fundamental and advanced knowledge for better understanding and developing new local content courses for Myanmar.
- ❖ All the Cisco programs are internationally accepted. This program will produce a total of 225 certified instructors.
- ❖ This will improve the community digital literacy with the development of qualified ICT professionals and can bridge the digital divide in the key areas.
- ❖ At the end of each phase, several local certified ICT professionals will be graduated.

Conclusion

- ❖ The present status of Myanmar still have gaps compared with the other developed countries, and still striving continuously for all round development of ICT.
- ❖ The tasks of nurturing required technicians by means of short-term and long-term plans outstrips the target goals for both rural and urban development in Technology.
- ❖ The provision of the Project, WP6-Bridging the Digital Divide in Myanmar is no doubt and sure to have successful and fruitful outcomes that will fill and bridge the gap of the technologies in Myanmar.

Thank You



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