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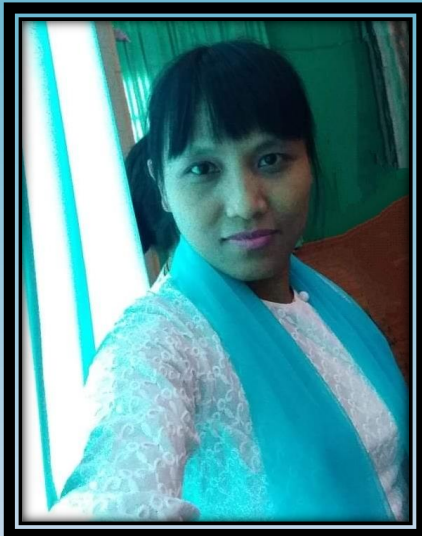


ICT Virtual Organization of ASEAN Institutes  
and NICT (ASEAN IVO) , Forum 2020

# Landslide Monitoring and Rescue Alert System for Landslide Hazard Regions

*Thin Lai Lai Thein*  
*GIS Lab, UCSY*  
*Myanmar*  
*tllthein@ucsy.edu.mm*

*Myint Myint Sein*  
*GIS Lab, UCSY*  
*Myanmar*  
*myint@ucsy.edu.mm*



Thin Lai Lai Thein  
University of Computer Studies, Yangon  
(UCSY)  
Myanmar  
22-11-2020 (Sunday)

# Outlines

- Landslide areas in Tanintharyi Region
- System Architecture
- Result and Discussion
- Conclusion

# Landslide areas in Tanintharyi Region

- Huge Landslide
- Malawe mountain
  - at the border of Ye (Mon State) and Dawei (Tanintharyi Region)
- Damaged buildings and destruction environments.

# Malawe Mountain Landslide



- It's the route to **Mon State** and **Dawei** in **Tanintharyi Region** .
- There was a **break down of the road** in 2 places and collapsed in 3 places in the **Mon State part of the Malawe mountain areas**.
- In **Tanintharyi** side, there are 2 places break down and collapsed in 2 places.

# Thanbyuzayat-Yae Landslide



- Road slide due to the heavy rain **Thanbyuzayat-Yae** road segments in Tanintharyi region (formerly known as Tenasserim)

# Flooding



Dawei  
August 11<sup>th</sup> , 2019



Yae  
August 9<sup>th</sup> ,2019

# Yae Flooding

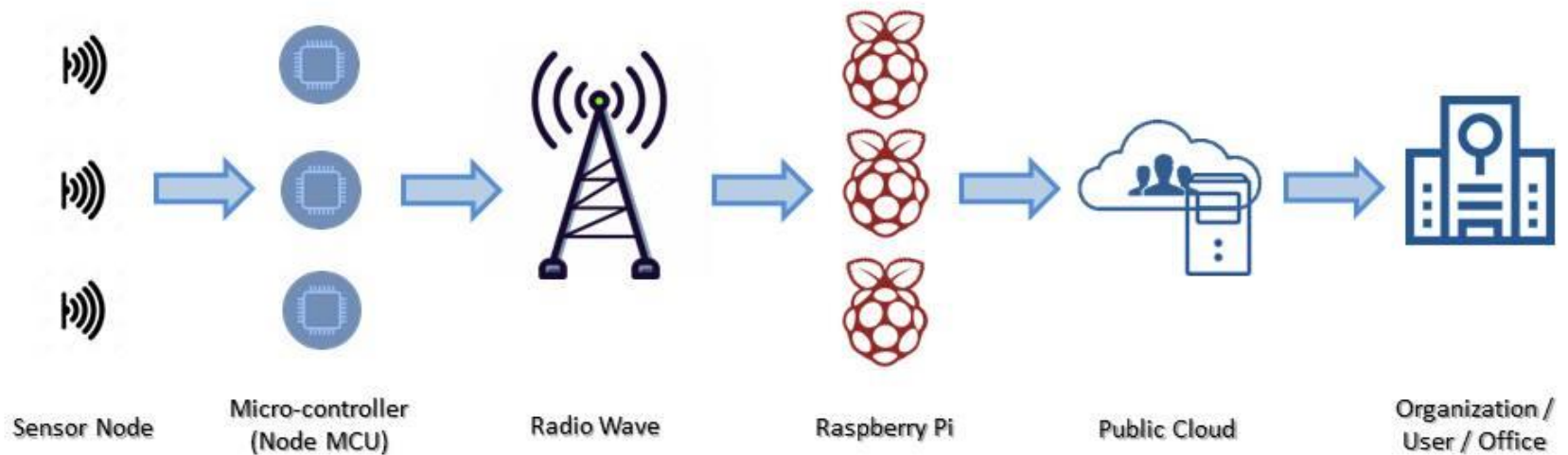


-Government saved one thousand and four hundred people in this flooding areas.

- Rescue service were also assisted by fire brigade, non-government organizations, red cross, and the army.

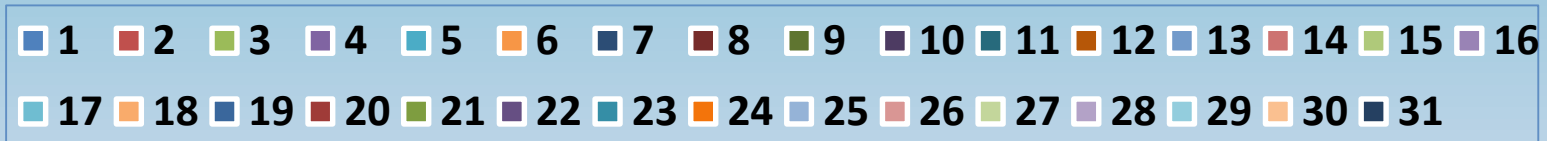
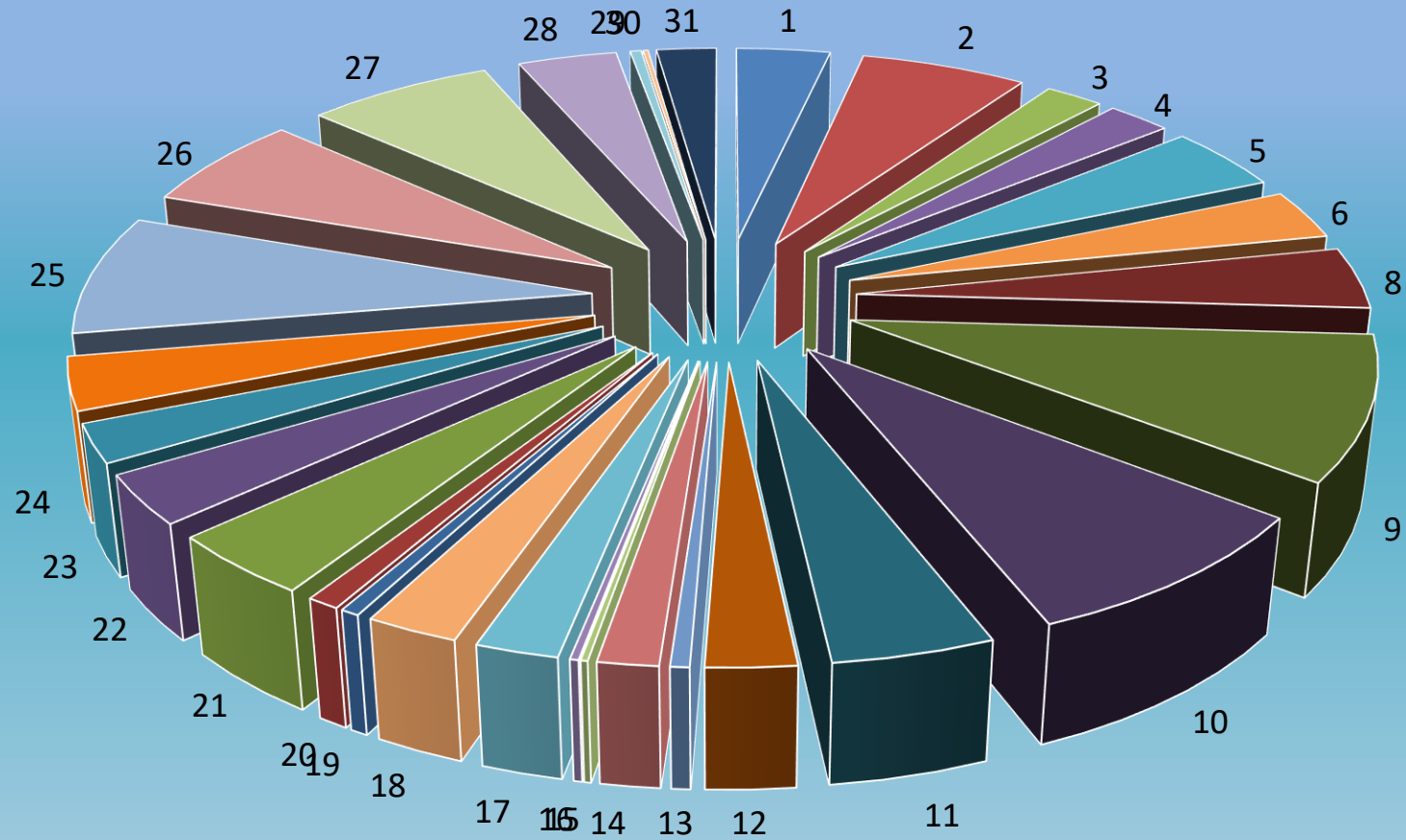
# System Architecture

## Landslide Monitoring and Alert System

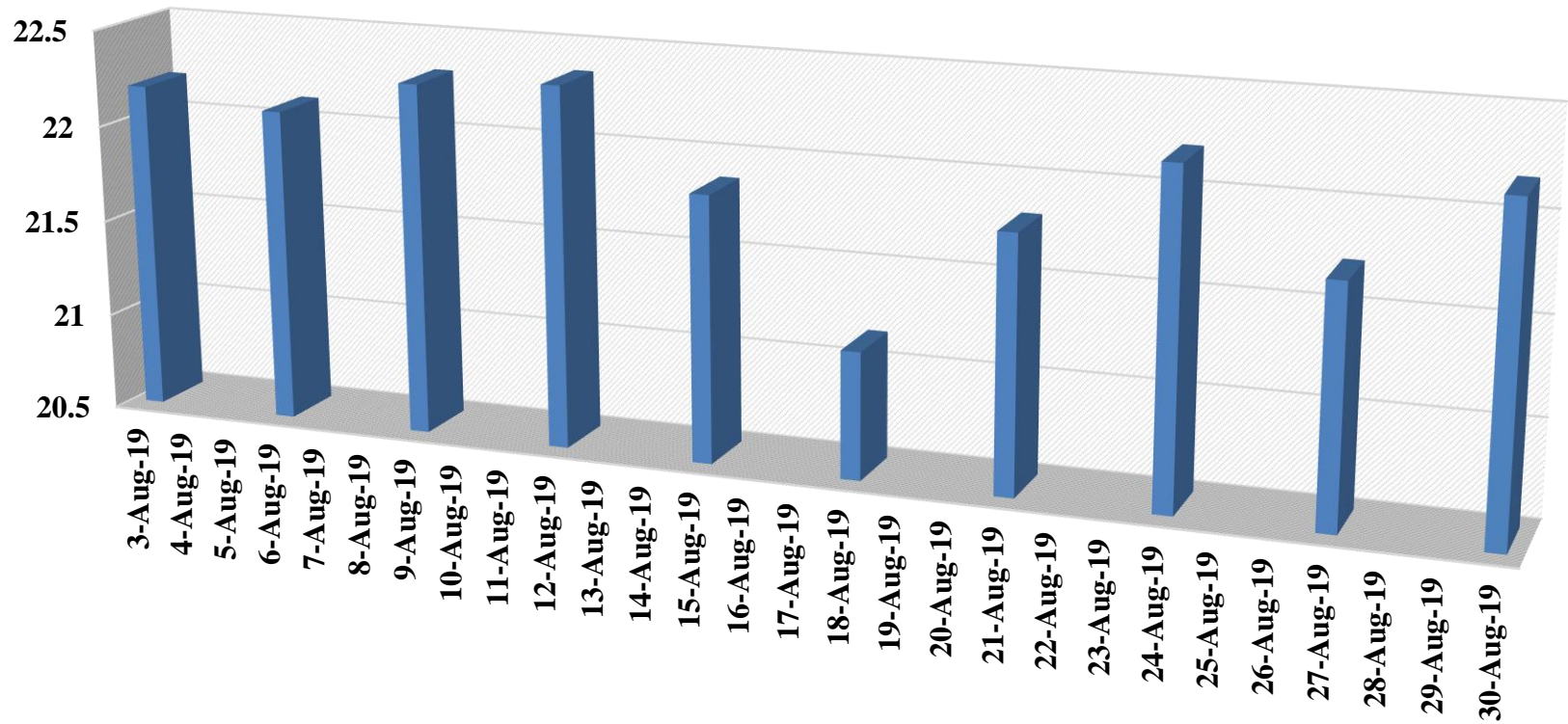




# Rainfall Data Analysis of Malawe Mountain Areas



# Soil Moisture of Malawe Mountain Areas



# Conclusion

- Technology
  - wireless sensors network
- Providing
  - inform the SMS alert to the rescue service organizations
- Advantages
  - Aware the efficient knowledge
  - Save the loss of human lives
  - Prevent the serious damage of environment

# ACKNOWLEDGEMENTS

- NICT, ASEAN IVO
- National Electronics and Computer Technology Center (NECTEC), Thailand and
- UCSY, Myanmar

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Thank you.