Presentation & Collaboration Management Platform

Dr. Choong KN

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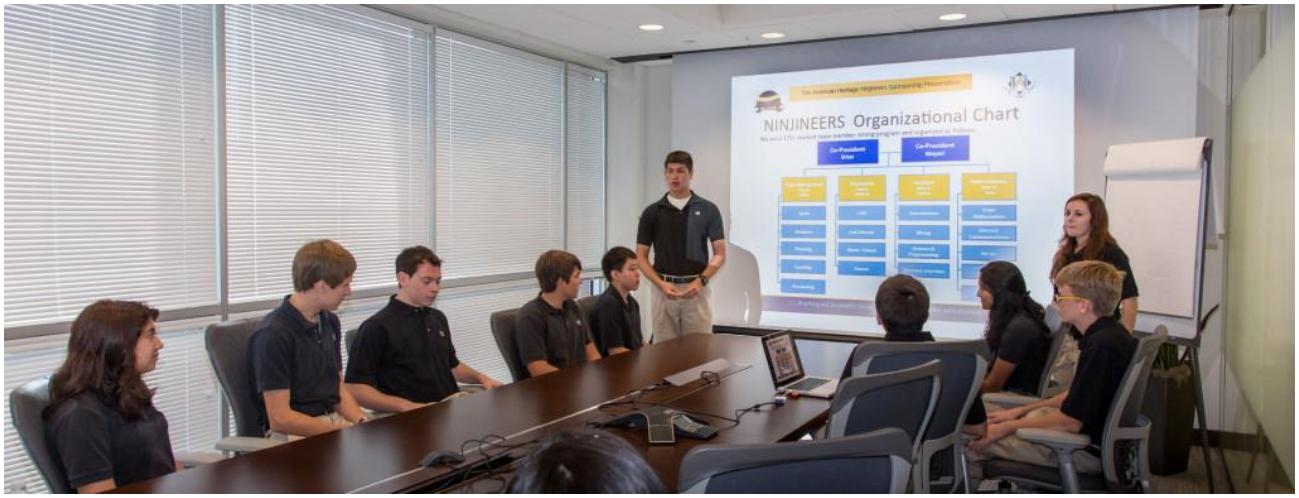
Innovation for Life™

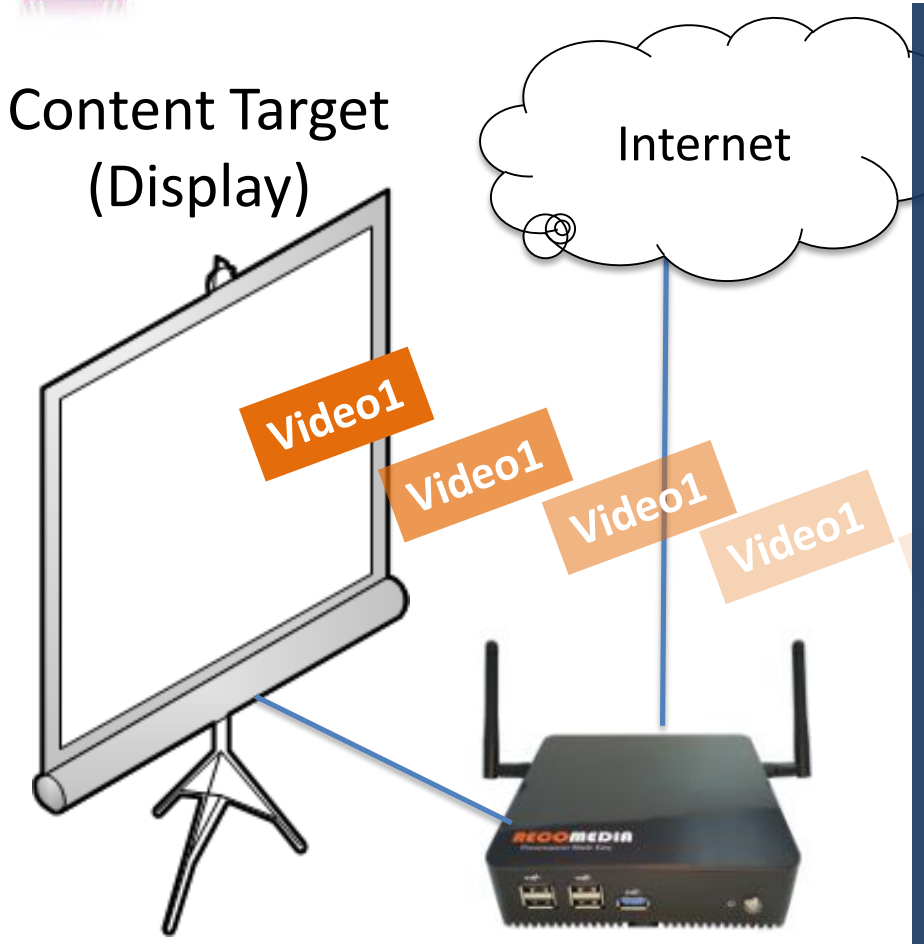
Cost of Setting Up Presentation

- Every day: 30 million PPT slides are produced worldwide [1,2]
- Problems:
  - Plugging/unplugging VGA cables across PCs
  - Mismatching resolution between PC and projector/TV
  - The unhealthy use of USB drives (virus threat)
  - Participants are unable to see the projected screen
- It takes 32.1 minutes (on average) to resolve issues [1,2]

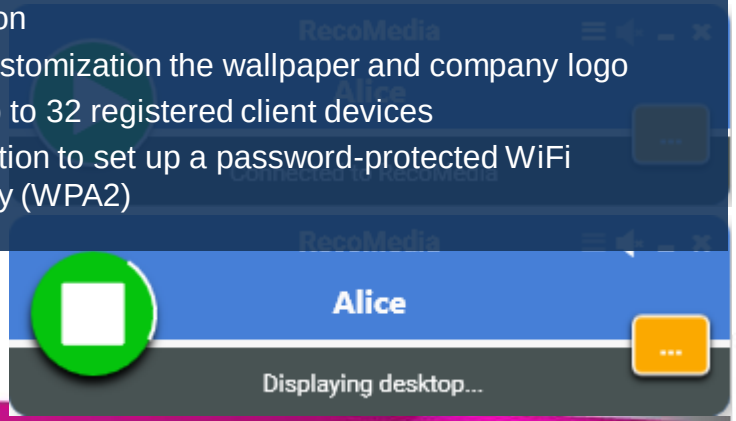


[1] S.M, Drucker et al., "Comparing and managing multiple versions of slide presentations", UIST 2006, October 15-18, 2006.
[2] Barco ClickShare – The one click wonder. 2015, Available at: http://tdmaverickmicrosites.eu/barco_nl/docs/bro_ClickShare_m.pdf

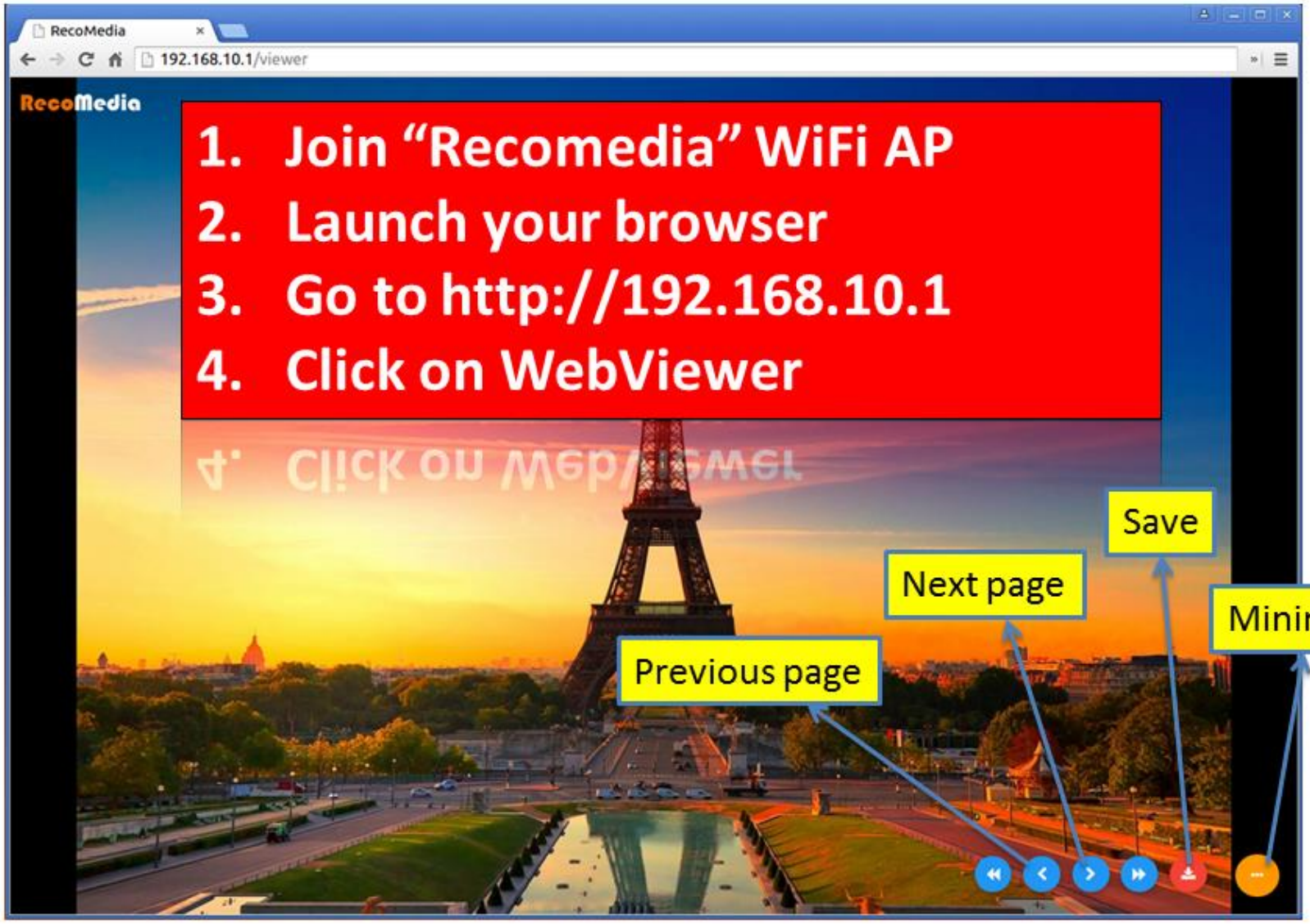
Conduct Your Meeting Easily & Wirelessly



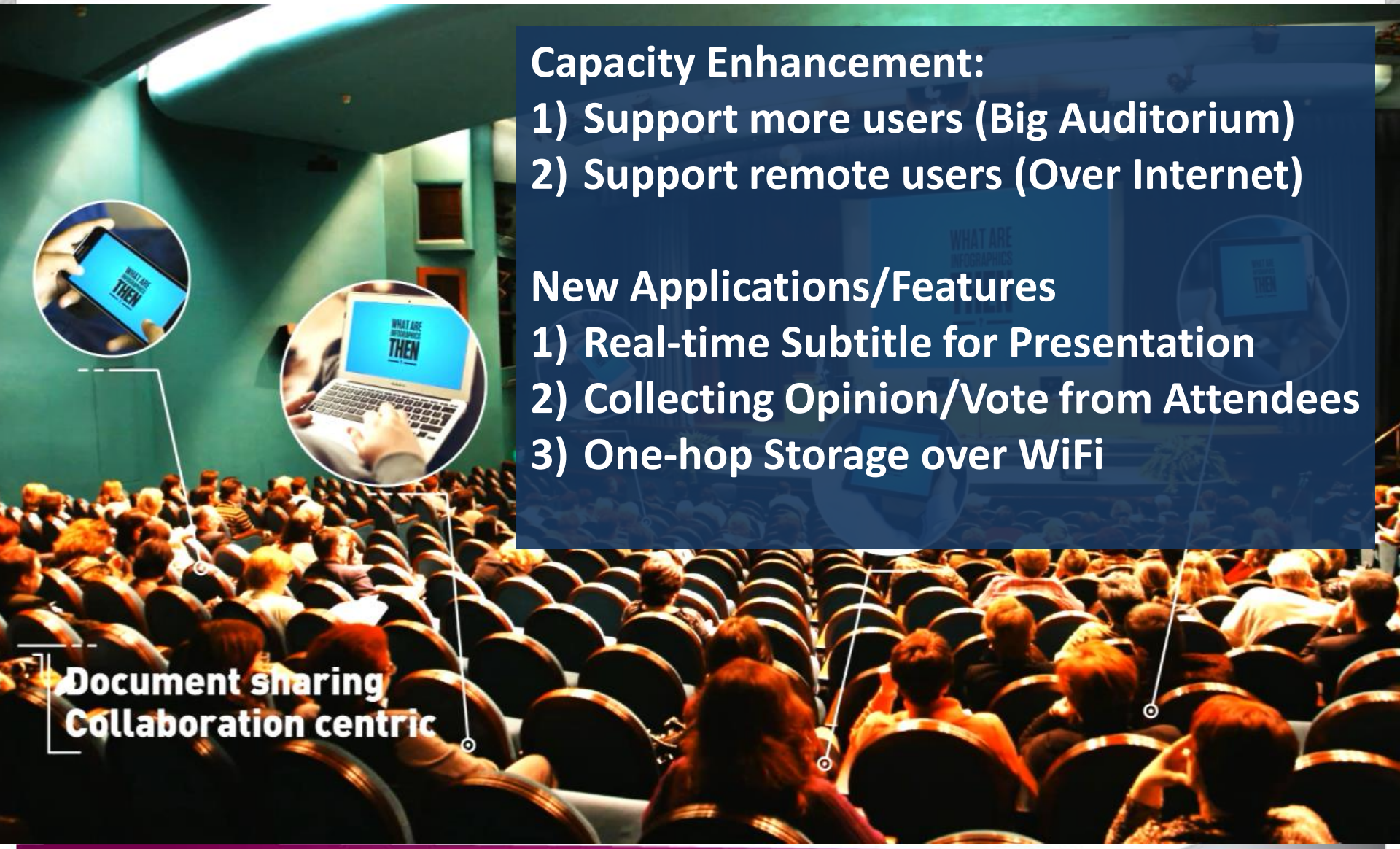
- Wirelessly share multimedia content from laptops and mobile phones
- Support Windows, Apple Mac OS X computers, Android and iOS* smartphones
- Configurable video output resolution
- Auto recommendation of resolution to match with display device
- Configurable wireless channel (2.4 or 5 GHz)
- Allow user to initiate the sharing directly from the PC, or
- Log in to moderator mode where user can select any presenter's computer to share its desktop screen
- Allow user to stream media or video files from PC or smartphones
- Enable user to optionally share only the extended screen
- Allow participants to access, navigate and save the presentation content live as it is being presented using just browser with no app installation
- Support uploading and downloading of contents for offline consumption
- Support customization the wallpaper and company logo
- Support up to 32 registered client devices
- Provide option to set up a password-protected WiFi connectivity (WPA2)



Easy Navigation over Live Presentation



Large-scale Distribution & Highly Interactive



Capacity Enhancement:

1) Support more users (Big Auditorium)
2) Support remote users (Over Internet)

New Applications/Features

1) Real-time Subtitle for Presentation
2) Collecting Opinion/Vote from Attendees
3) One-hop Storage over WiFi

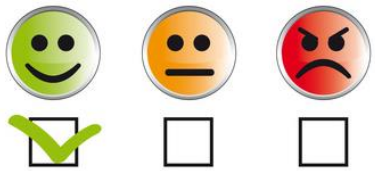
Focus of R&D

- **Capacity Enhancement**
  1) Enhance existing software to **Support Remote Users**
  2) Design network infra to **Support Large-scale Delivery**
  3) Study various **Content Distribution algorithms** considering:
     - Number of Receivers & Device Types
     - Distance from Wireless AP - Signal strength

- **New Applications/Features**

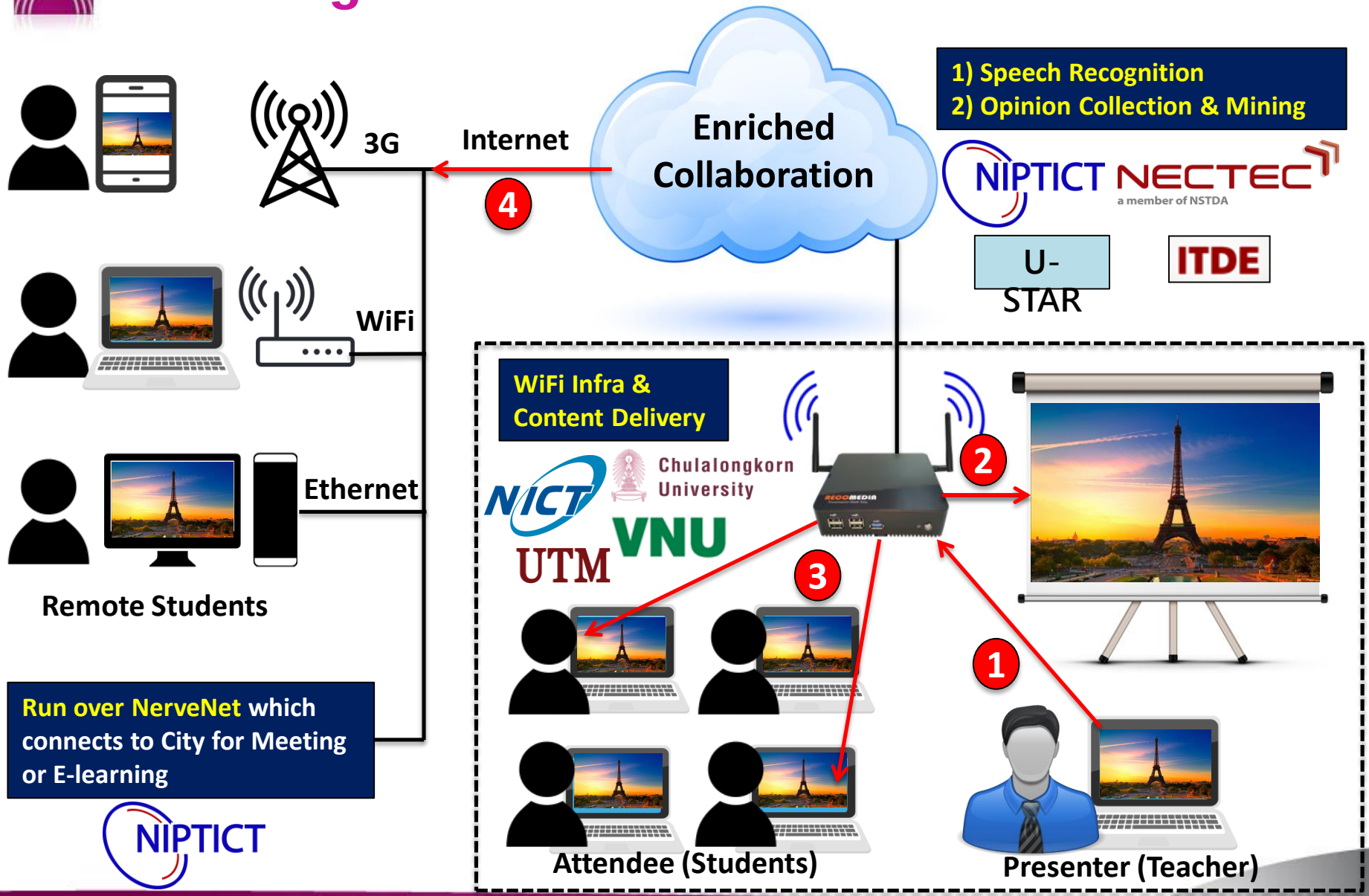
  1) Speech Recognition
     - Live Subtitles (Speech-to-Text)
     - Real-time Translation (Speech-to-Speech)

  2) Opinion Collection and Mining
     - Collect Comments
     - Perform Sentiment Analysis



  3) High-speed Storage
     - Share files with Storage just WiFi apart

Enabling Enriched Collaboration



Collaboration Plan/Roadmap

Done | Ongoing | Future

RecoMedia

NIPTICT

U-STAR

NECTEC a member of NSTDA

Speech Recognition:
1) Live Subtitle (Speech-to-Text)

Speech Recognition:
2) Real-time Translation
3) OCR Text Translation

ITDE

Opinion Collection & Mining
1) Collect Obj/Sub-based Comments
2) Organize Comments

Opinion Collection & Mining
3) Perform Sentiment Analysis

APPLICATIONS Product, Services and Solutions

Presentation & Collaboration Management Platform ver. 1

MIMOS

Customization based on Application & Network Requirements

Support Remote Access

Support Mobile Mirroring

Presentation & Collaboration Management Platform ver. 2

System Middleware

SYSTEM PLATFORM Technology modules & Infrastructure

Study Large-scale Content Distribution Schemes over WiFi

Network & Communication

NICT

Chulalongkorn University

VNU UTM

Run over NerveNet connects to City for E-learning

NIPTICT

2016-2017 | 2018 | 2019

Welcome any question and collaboration opportunities

TERIMA KASIH

THANK YOU

kn.choong@mimos.my

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