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Preparation for Remote Activities in the University using Cisco Webex Education Offer

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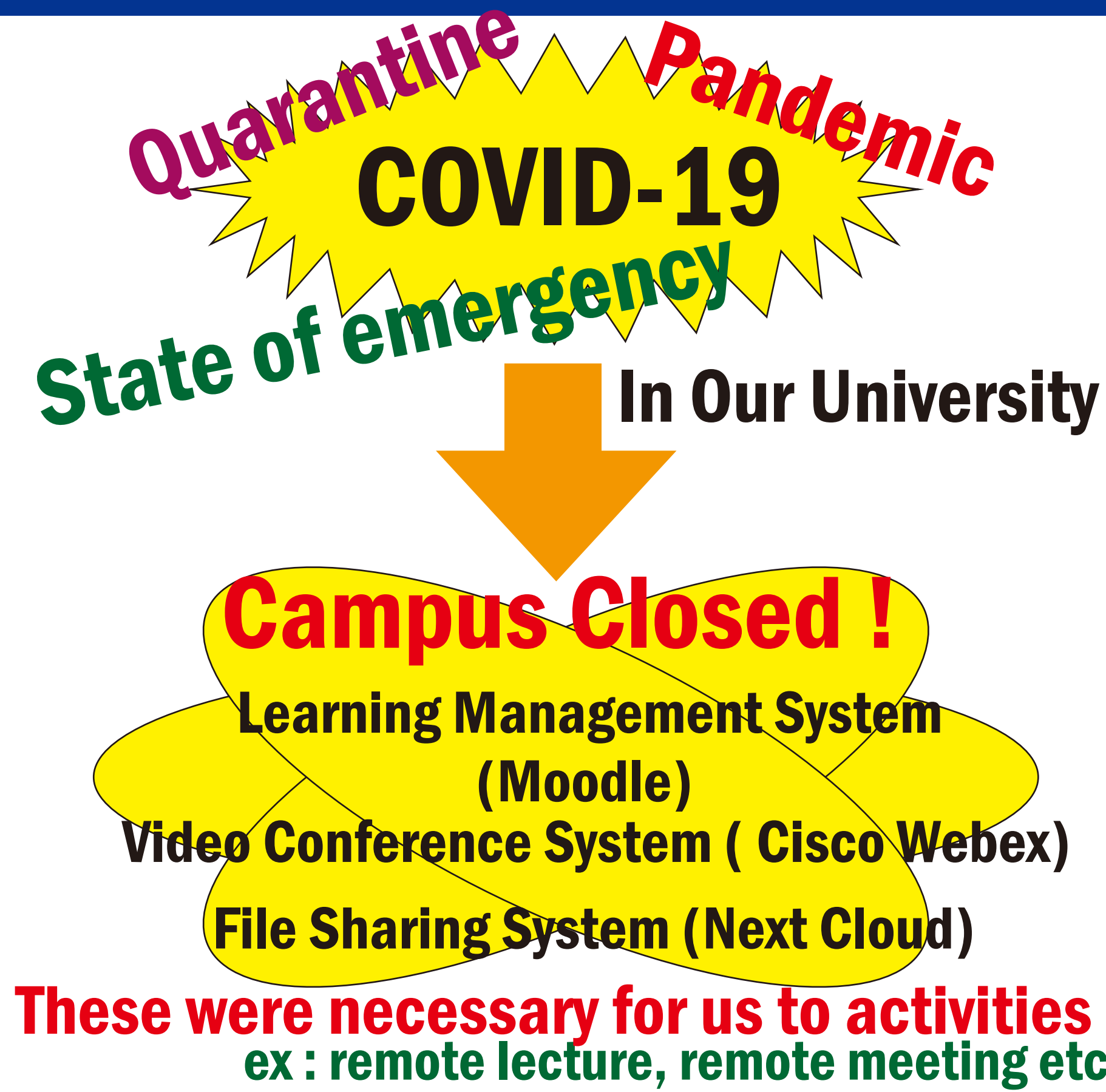
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Abstract

Face-to-face activities at universities have become difficult with the worldwide outbreak of COVID-19. In our university, we are making various efforts to prevent infection. In the first semester, all face-to-face classes were cancelled, and a remote lecture using LMS and a video conference system was conducted. In order to support remote activities, the university contracted Cisco Webex Education Offer in addition to the previously purchased Cisco Webex license. With this license, we made Cisco Webex available to all faculty and staff.

In this paper, we will describe our knowledge related to the preparation of remote activities at universities in conjunction with the information infrastructure already reported, and report the contents.

Introduction

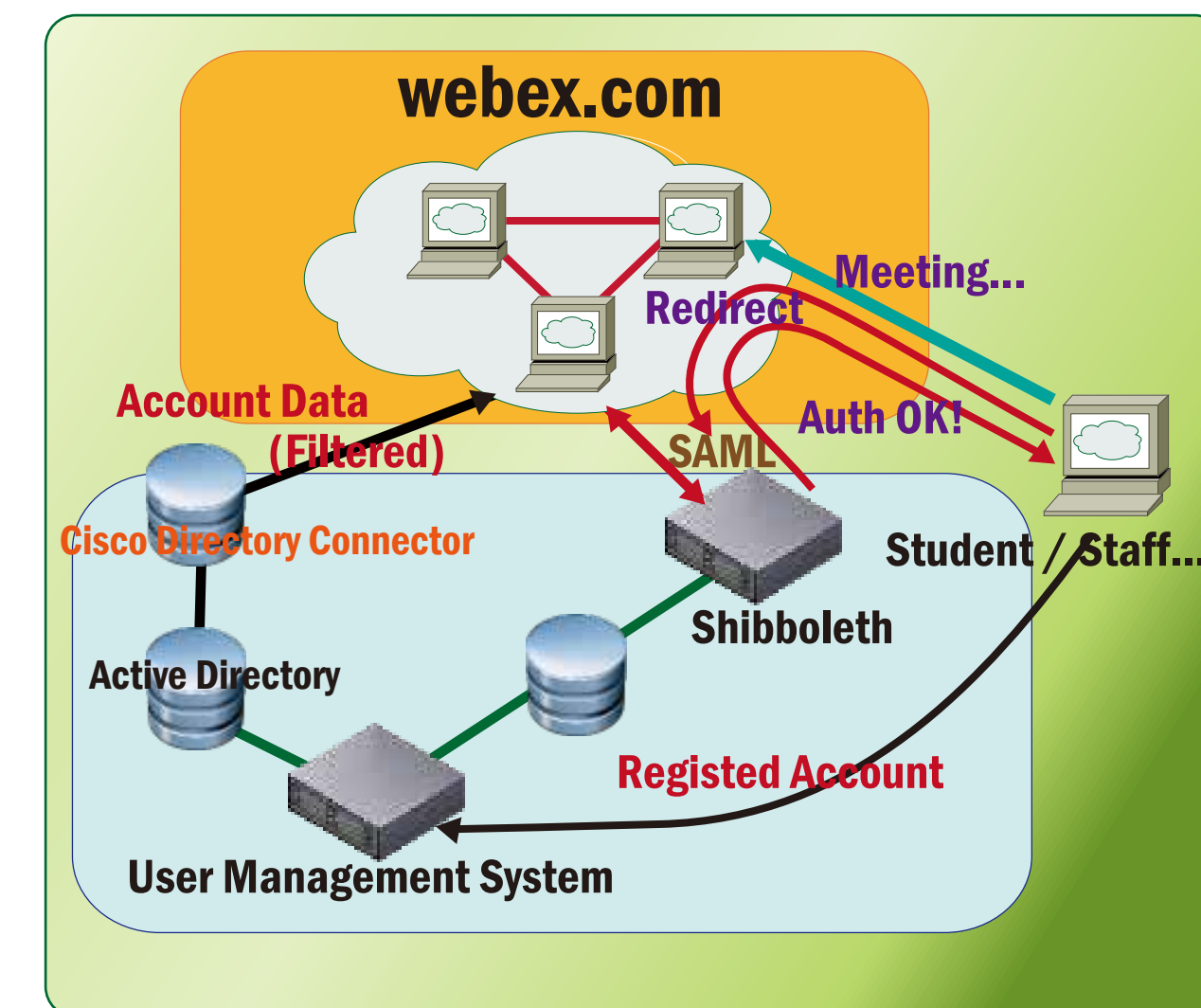


What is Cisco Webex ?



How to use Cisco Webex ?

User Management System and Authentication



Cisco Webex Auth Method = Single Sign On
(Shibboleth - in our university)

Cisco Webex Account = Synchronizing Directory
(Active Directory - in our university)

(Participants is not required sign-in.)
(The organizer is required to sign-in.)

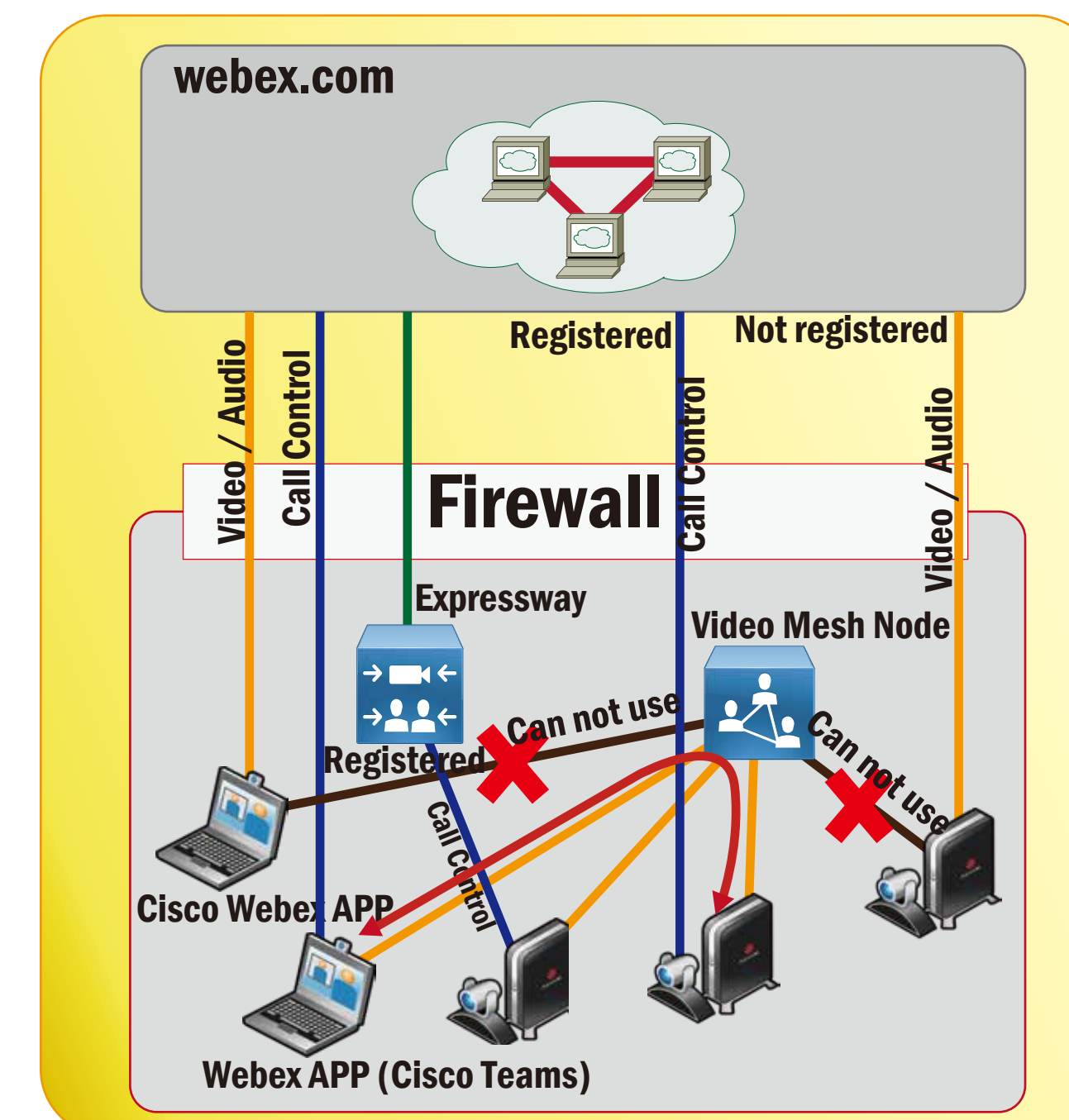
Video Mesh

Video Mesh : Loop back on campus.
(Video and Audio)

Cisco Webex-registered device
Cisco Webex Teams app
VCS/Expressway-registered devices
Cisco Webex VDI client
CUCM-registered devices

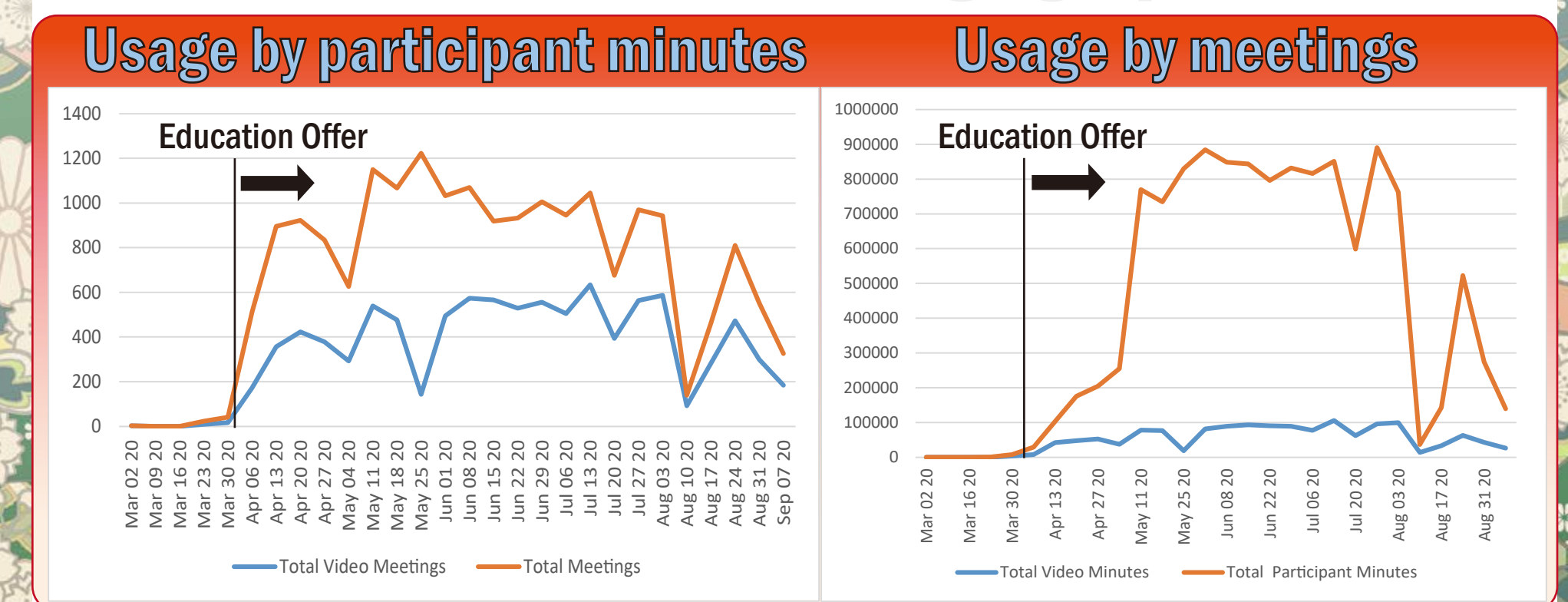
Cisco Webex Desktop app
Browser app

Availability
Many case
Low utilization...

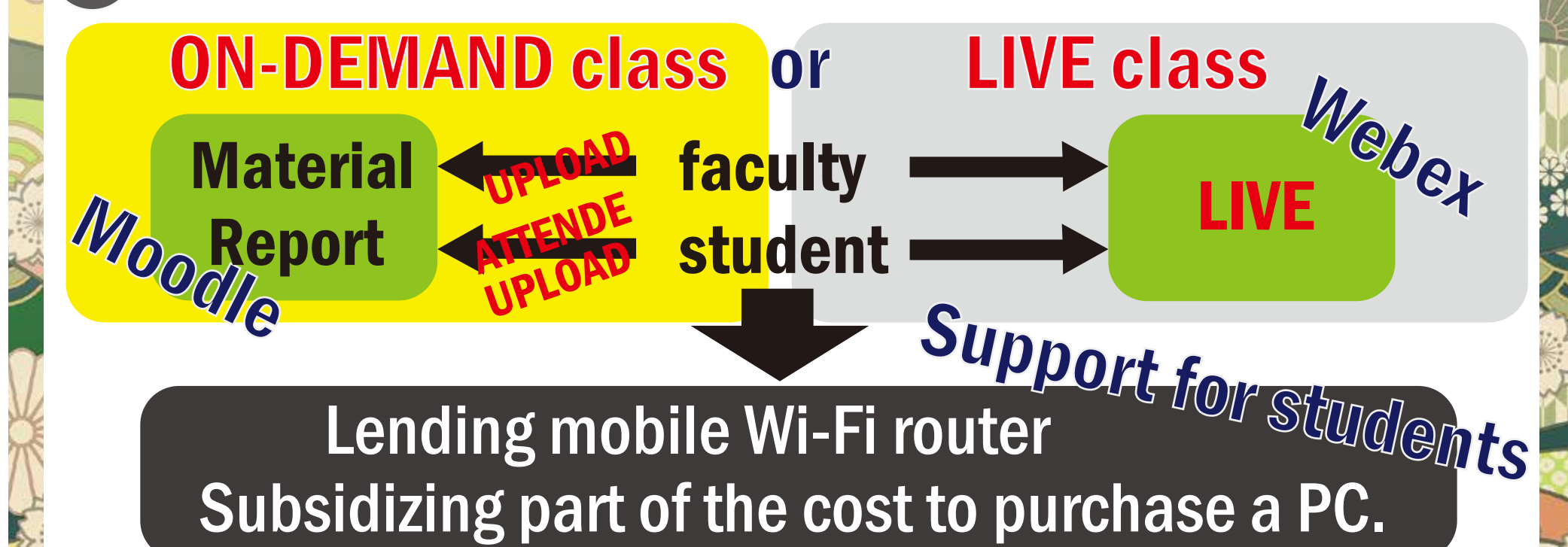


Report of Cisco Webex usage

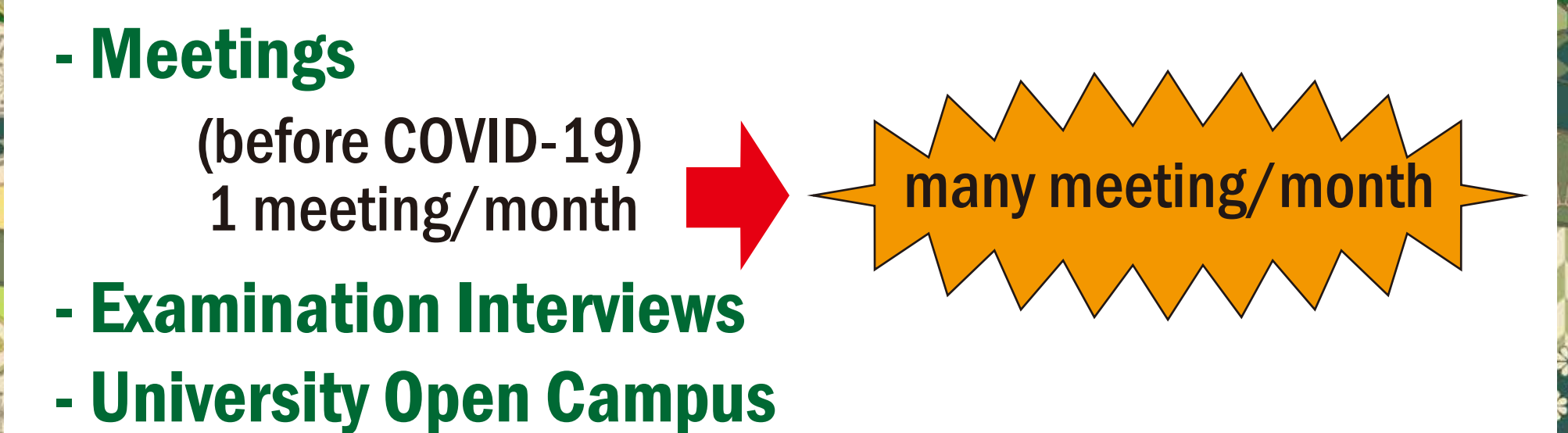
Cisco Webex usage graph



Use case of Remote Activities



Use case of Meetings and Events



Conclusion

In order to prevent infection by COVID-19, all classes in the first semester of 2020 have been changed to online at our university. As a result of preparing the environment such as Cisco Webex and Moodle, we were able to successfully complete the classes. Not only in class but also in interviews for exams, in events, and meetings, the usage rate of Cisco Webex has increased dramatically.

Since we gave unfamiliar remote activities in all subjects, we received many inquiries about how to use them.

In addition, there was an increase in system load due to access concentration. We have decided to combine face-to-face activities and remote activities in the second semester. We are preparing for the smooth classes next year, based on the inquiries and requests of the past.