About the Centre for Instructional Technology (CIT)

CIT is a specialist centre that provides technology and audio-video related services to enhance, supplement and support teaching and student learning at the National University of Singapore.

In 2016, CIT was certified for ISO 9001:2015 for its lecture recording, video production services, system, server management and audio-video services at University Town.

Learning Management System
LumiNUS.nus.edu.sg

NUS’ learning management system is LumiNUS. LumiNUS comes with class rosters, student photographs, syllabus, assignment repositories, guided learning paths, forums, chat rooms, quizzes, surveys, polls, project evaluation, video support with playlists and streaming, web lectures, class/exams timetables and library e-reserves. LumiNUS supports SCORM, XAPI content standards and LTI to integrate to a variety of e-learning applications.

NUS Wiki
wiki.nus.edu.sg

An enterprise-wide Wiki service that allows you to create collaborative glossaries, knowledge base or work on documents that require multiple user inputs and versioning control. NUS Wiki has many features such as history, comments and flexible permissions. It also features drag-and-drop page organisation, persistent links, elegant exports to various formats and others.

Course Development

CIT offers instructional design and content development services to enable faculty to transfer their modules and classroom-based lessons into interactive multimedia modules!

Talk to us on the options available to create interactive course modules.

NUS Blogs
blog.nus.edu.sg

A blog service to encourage active participation, reflection and discussion among students and faculty on topics posted by the faculty and students.

Web & Audio Lectures
fac.weblecture.nus.edu.sg

The web lecture system displays a video of the lecturer, synchronized slides and an index to the video and slides. Web lectures reinforces learning and study and reduces the need for note-taking during lectures. Seminars and corporate events are also webcast at NUS.

Faculty have an option to have close captioning for their web lectures.

Instructional Development

Blended Learning/Flipped Classroom
cit.nus.edu.sg/iblocs-moocs

Internal blended learning online courses (IBLOCs) are part of NUS’ initiative to move selected modules from a passive lecture format into a blended learning/flipped classroom model of instruction. The blended learning/flipped classroom format has been proven to improve student’s understanding with the content.

CDTL and CIT conducts a regular blended learning course every semester to aid faculty in redesigning their modules into a blended learning/flipped classroom format.

CIT with CDTL provides a one-stop production shop that will facilitate faculty in seeking copyright clearance and provide production and post-production services to ensure their courses transformed into the blended learning/flipped classroom format are completed on time with sound pedagogical grounding.

Lecture Capture

Self-Service Lecture Capture

Faculty interested in recording their lectures themselves can consider CIT’s screencast services. Screencast or digital screen recording is the process of capturing the video of what is happening on your computer screen while you narrate over it. CIT offers three software for screen recordings – Camtasia, Panopto and Ink2Go.

Ink2Go is licensed to students to enable them to submit multimedia assignments.
Conferencing & Virtual Meetings

Web Conference with Zoom
CIT uses Zoom for its web conferencing service. Web conferencing allows you to have lectures, seminars or meetings online without using specialized video conference hardware. Meet, discuss and collaborate online using a computer with a webcam and microphone connected to the internet. With web conferencing, fully interactive and collaborative lectures can be conducted online involving students anywhere around the world.

Active Learning Classroom

Active Learning Classrooms
[link]
These classrooms enhanced with technology and audio-visual equipment is designed to support project & inquiry-based group discussions and class presentations.

Video Production/Capture Services

Video capture services include a single camera fully scripted video to a live multi-camera switching capture of academic teachings, public lectures, conferences, talk shows & events. Events can be streamed live to the Internet or Intranet

Video Management System
[medialweb.nus.edu.sg]
NUS uses Medialweb, a YouTube-like video management portal that allows faculty and staff to upload and manage, host and stream videos for teaching & learning. Medialweb provides both public & private space for faculty to store & share their multimedia videos.

CIT YouTube Channels at youtube.com/nuscast.

Multimedia

Enterprise Video Architecture

1. Capture
2. Encode & Publish
3. Cloud Hosted Video Management Portal
4. Streaming

Resources & Services

Plagiarism Prevention Service
[plagiarism-prevention]
This service by Turnitin, assists faculty in detecting plagiarism in student assignments. Faculty can submit assignments on behalf of students or students can be directed to submit their assignments to this service. Student assignments can be submitted to Turnitin through LumiNUS

Poll Everywhere
[polleverywhere]
Poll Everywhere is a BYOD (bring your own device) classroom response system that shows response results directly in the presentation slides. It enables you to ask questions live and get answers from your students. The results are displayed graphically within your presentation software itself. Poll Everywhere works with PowerPoint (Mac/Win), Keynote (Mac) and Google Slides.

IT Shared Services : Classroom Technology
CIT with NUS IT provides support for all the teaching spaces and meeting rooms at the Faculties. Support will ensure equipment and software in the teaching spaces are well managed and always ready to ensure teaching is not disrupted.

Other conference services supported are online meetings, PhD thesis review and live seminars.

Mattermost (TeamUp)
Mattermost is a social messaging service that is self-hosted and focuses on communication and collaboration, including peer-peer and group messaging, sharing files for project collaboration and web conferencing. LumiNUS uses Mattermost for its chat service.

Microsoft Teams
[Microsoft-teams/]
Microsoft Teams is a chat-based workspace in Office 365. It is a digital hub for teamwork that brings conversations, content and apps together in one place.

Share ideas from desktop or mobile devices and have instant access to everything your team needs. Microsoft Teams is available to all NUS students and staff with access to Office 365.

University Town Multimedia Hub

Located at University Town, this Hub contains a professional recording studio, audio recording booths and a post-production multimedia classroom. These facilities can be used for teaching and self-recording.

NUS leverages on Examsoft to support online open and closed-book examinations and continuous assessments. Fully automated, these digital assessments are conducted in centralized locations around the campus using the students' own notebooks (BYOD). The student's familiarity with their own devices allows them to concentrate on the assessment.

edX@NUS
CIT and CDTL can help you create iMOOCs (Internal) and MOOCs (Massive Open Online Courses) both for the global audience and/or for NUS students. Together with CDTL, we will work closely with you on creating your multimedia assets and course outline for your MOOC and when ready publish it and support it on edX platform.