

APPENDIX 2



COMMONWEALTH of LEARNING
Learning for Sustainable Development

Questionnaire on Faculty Use of Technology for Teaching and Learning

The primary aim of this questionnaire is to assess the Technology-Enabled Learning environment and enabling policies, including understanding teachers' access to media and technology, and their nature of use; teachers' perceptions and beliefs about the use of technology for teaching and learning; and the use of digital resources, including open educational resources, for teaching, learning and research in an educational institution.

The questionnaire should be completed by a randomly selected stratified sample of teachers in an institution. Use appropriate sample size determination and random number table for the survey.

Protecting the privacy of the respondent is important — all personal information will be kept confidential and only be used in aggregate form.

Please respond to all the questions by following the instructions.

A. Background Information

- 1.1 Name of the university/institution: Crescent International School, Sathorn, Bangkok
- 1.2 Country: Thailand
- 1.3 Your email: anamika2524@gmail.com
- 1.4 Gender: ☒ Female ☐ Male
- 1.5 Your age group: ☐ Below 26 ☐ 26-30 ☐ 31-35 ☐ 36-40 ☒ 41-45 ☐ 46-50 ☐ 51-55
☐ 56-60 ☐ 61-65 ☐ 66-70
- 1.6 Your position: ☐ Professor ☐ Associate Professor ☐ Assistant Professor ☒ Lecturer
- 1.7 Your highest qualification: ☐ PhD ☐ MPhil or MTech ☒ Master's
- 1.8 Primarily involved in:
☒ Undergraduate teaching ☐ Graduate or postgraduate teaching ☐ Doctoral research
- 1.9 Your years of teaching experience:
☐ 5 or <5 years ☐ 6-10 years ☒ 11-15 years ☐ 16-20 years ☐ 21-25 years
☐ 26-30 years ☐ 31-35 years ☐ 36-40 years ☐ 41-45 years

1.10 Your faculty discipline:

- | | |
|---|---|
| ☐ Humanities | ☐ Natural Sciences |
| ☐ Social Sciences | ☐ Engineering and Technology |
| ☐ Commerce and Management | ☐ Agriculture and natural resources |
| ☐ Health and Medical Sciences | ☐ Fine and Performing Arts |

B. Access to and Use of Information and Communication Technologies (ICTs)

1. Ownership of and Access to ICTs

1.1 Do you own any of these devices?

Devices	Yes	No, but I plan to buy one in the next 12 months	No, and I do not plan to buy one in the next 12 months
Desktop computer	☐	☐	☒
Laptop	☒	☐	☐
Smartphone	☒	☐	☐
Tablet device (e.g. iPad)	☐	☐	☒

1.2 Do you have access to any of these devices at your university?

Devices	Yes, provided by the university	Yes, I use my personal device in the university	No, my university does not allow me to use these
Desktop computer	☒	☐	☐
Laptop	☒	☒	☐
Smartphone	☐	☒	☐
Tablet device (e.g. iPad)	☐	☐	☐

2. Internet Access

2.1 Where do you access the Internet? (Tick (✓) all that apply.)

- ☒ Home ☒ Office ☐ Cybercafé ☐ Do not access

2.2 You have access to Internet through (tick (✓) all that apply):

- ☐ Dial-up connection ☐ ADSL connection ☐ Leased line ☒ Wireless ☒ Mobile devices

2.3 Which device do you use most frequently to access the Internet?

- ☒ Smartphone ☐ Tablet or iPad ☒ Laptop ☐ Desktop computer

2.4 Do you have broadband Internet connectivity on your campus?

- ☒ Yes (Go to 2.5) ☐ No (Go to 3)

2.5 Where do you get access to broadband Internet? (Tick (✓) all that apply.)

- ☒ Classrooms ☒ Library ☐ Hostels

- ☒ Faculty rooms
 ☒ Laboratories
 ☒ Reception lounge
☒ Seminar halls
 ☒ Students' common rooms
 ☒ Open areas

2.6 Do you get Wi-Fi/wireless Internet connectivity on your campus? ☒ Yes ☐ No

2.7 I use the Internet:

- ☒ Daily
 ☐ Alternate days
 ☐ Once a week
 ☐ Irregularly
 ☐ Rarely
 ☐ Never

3. Use of ICTs

3.1 Please rate your comfort level with the following computer-related activities.

Computer-related skills	Expertise level (Trainer)	User level (Advanced)	User level (Intermediate)	User level (Basic)	Non-user level (N/A)
Word processor (e.g. Word)	☒	☐	☐	☐	☐
Spreadsheets (e.g. Excel)	☒	☐	☐	☐	☐
Presentation (e.g. PowerPoint)	☒	☐	☐	☐	☐
Email	☒	☐	☐	☐	☐
Search engines	☒	☐	☐	☐	☐
Databases	☒	☐	☐	☐	☐
Multimedia authoring	☐	☒	☐	☐	☐
Graphic editing	☐	☒	☐	☐	☐
Digital audio	☐	☒	☐	☐	☐
Video editing	☒	☐	☐	☐	☐
Web page design	☐	☒	☐	☐	☐
Learning Management System	☐	☐	☒	☐	☐
Web 2.0 tools (wikis, blogs, social networking and sharing tools)	☐	☐	☒	☐	☐

4. Social Media

4.1 Do you have a profile/account on a social media platform(s)?

☒ Yes (Go to 4.2) ☐ No (Go to 5)

4.2 Which social media platforms? (Tick (✓) all that apply.)

- | | |
|--|--|
| ☒ Facebook | ☐ Slideshare or similar presentation platform |
| ☐ Twitter | ☒ Photo sharing (Instagram/Flickr/Picasaweb, etc.) |
| ☒ Google+ | ☒ Research sharing sites (Academia.edu, ResearchGate.net etc.) |
| ☒ LinkedIn | ☒ Social bookmarking sites (Delicious, ScoopIt, Pinterest, etc.) |
| ☐ Blog (using Blogger or Wordpress or within institutional website/CMS) | ☐ Goodreads.com (for connecting with authors and readers) or similar |

4.3 How frequently do you update your social media status?

- ☐ Several times a day ☐ Once a day ☐ Once a week
☐ Once a fortnight ☒ Not very frequently ☐ Not at all

5. Mailing Lists and Discussion Forums

5.1 Are you a member of any mailing list or discussion forum? ☐ Yes (Go to 5.2) ☒ No (Go to 6)

5.2 How many email-based discussion forums do you subscribe to? ☒ 1-5 ☐ More than 5

5.3 Do you moderate any discussion forum or mailing list? ☐ Yes ☒ No

5.4 How often do you post to discussion forums/ mailing lists?

- ☐ Several times a day ☐ Once a day ☐ Once a week
☐ Once a fortnight ☒ Not very frequently

6. Technology-Enabled Learning Environment

6.1 Please rate your experiences with the following resources/services/spaces provided by your institution.

Resources/Services/Spaces	Poor	Fair	Neutral	Good	Excellent	Not available
eClassroom facilities (e.g. computers, projection systems, lecture capture systems, SMART boards, etc.)	☐	☐	☐	☐	☒	☐
Computer labs (for practical and Internet access)	☐	☐	☐	☒	☐	☐
Email services (institutional)	☐	☐	☐	☐	☒	☐
Learning Management System (e.g. Moodle, etc.)	☐	☐	☐	☒	☐	☐

Resources/Services/Spaces	Poor	Fair	Neutral	Good	Excellent	Not available
ePortfolio	☐	☐	☒	☐	☐	☐
Network bandwidth/speed of Internet (download and upload)	☐	☐	☐	☒	☐	☐
Wi-Fi access	☐	☐	☒	☐	☐	☐
Online or virtual technologies (e.g. network or cloud-based file storage system, Web portals, etc.)	☐	☐	☐	☐	☒	☐
Access to software (e.g. MATLAB, GIS applications, statistical software, qualitative data analysis, graphics software, textual or image analysis program, etc.)	☐	☒	☐	☐	☐	☐
Download and use of free and open source software for teaching and learning	☐	☐	☒	☐	☐	☐
Support for maintenance and repair of ICTs	☐	☐	☐	☒	☐	☐

C. Using ICTs for Teaching and Learning

1. Use and Creation of Digital Content for Teaching

1.1 Nature of the classes that you teach (tick (✓) all that apply):

- ☒ Traditional face-to-face
☒ Completely online
☐ Blended, where some components of the study are done online

1.2 Please indicate how often you **use** the following digital resources/platforms in your teaching.

Types of Resources	Always	Often	Sometimes	Rarely	Never
Images (pictures, photographs, including from the Web)	☒	☐	☐	☐	☐
Presentations (e.g. PowerPoint, including from online sources)	☐	☒	☐	☐	☐
Word files (activity sheets/handouts/notes)	☐	☐	☒	☐	☐
Digital films/video (e.g. from YouTube)	☐	☒	☐	☐	☐
Audio recordings	☐	☐	☐	☒	☐
Simulations and 2D/3D animation	☐	☐	☒	☐	☐
Learning Management System	☐	☐	☒	☐	☐
Blogs	☐	☐	☐	☒	☐
Social bookmarking	☐	☐	☒	☐	☐

Types of Resources	Always	Often	Sometimes	Rarely	Never
Microblogging (Twitter, Facebook, etc.)	☐	☐	☐	☒	☐
Open textbooks	☐	☐	☒	☐	☐
Open access research papers	☐	☐	☐	☒	☐

1.3 Have you **created and shared** the following teaching and learning materials?

Types of Resources	Never	Yes, but not shared with others	Yes, and shared through an open licence
Images (pictures, photographs, including from the Web)	☐	☐	☒
Presentations (e.g. PowerPoint, including from online sources)	☐	☐	☒
Word files (activity sheets/handouts/notes)	☐	☐	☒
Digital films/video (e.g. from YouTube)	☐	☐	☒
Audio recordings	☐	☒	☐
Simulations and 2D/3D animation	☐	☒	☐
Blogs	☐	☒	☐
Course packs	☒	☐	☐

1.4 Are you aware of open educational resources (OER) in your discipline? ☒ Yes ☐ No

1.5 How often do you use the following OER platforms for your teaching and learning?

OER Platforms/Sources	Always	Often	Sometimes	Rarely	Never
OER Commons	☐	☐	☐	☐	☒
Saylor Academy	☐	☐	☐	☐	☒
WikiEducator	☐	☐	☐	☒	☐
OpenStax College	☐	☐	☐	☐	☒
BC Campus Open Textbooks	☐	☐	☐	☐	☒
NPTEL, India	☐	☐	☒	☐	☐
MIT Open Courseware	☐	☐	☐	☐	☒
OpenLearn, UK	☐	☐	☐	☐	☒
CollegeOpenTextbook	☐	☐	☐	☐	☒
Directory of Open Access Journals	☐	☐	☐	☐	☒
Directory of Open Access Books	☐	☐	☐	☐	☒
MERLOT	☐	☐	☐	☐	☒

1.6 Please rate your skills in integrating the following in teaching and learning.

Technologies	I can't use it	I can use it to a small extent	I can use it satisfactorily	I can use it well	I can use it very well
Learning Management System (e.g. Moodle)	☐	☐	☐	☒	☐
Online collaboration tools (e.g. Adobe Connect, Google Docs)	☐	☐	☐	☐	☒
ePortfolio	☐	☐	☐	☒	☐
eBooks/eTextbooks	☐	☐	☐	☐	☒
Online video/audio	☐	☐	☐	☐	☒
Educational games/simulations	☐	☐	☐	☐	☒
Lecture capture tools	☐	☐	☐	☒	☐
Accessible tools (for people with disabilities)	☐	☐	☐	☒	☐
Social media (blogs, wikis, etc.)	☐	☐	☐	☒	☐

2. Training and Staff Development

- 2.1 Have you received training on the use of ICTs for teaching and learning? ☒ Yes ☐ No
- 2.2 Does your university/institution provide regular training on the use of new technologies for teaching and learning? ☒ Yes ☐ No
- 2.3 Have you ever participated in any online training? ☒ Yes (Go to 2.4) ☐ No (Go to 3)
- 2.4 Have you attended any massive open online courses (MOOCs)? ☒ Yes ☐ No
- 2.5 Which of the following MOOC platforms are you aware of? (Tick (✓) all that apply.)
- ☒ Coursera ☒ Udacity ☒ EdX ☐ iVersity ☐ FutureLearn ☐ None

3. Policy Issues for Technology-Enabled Learning

	Yes	No	Do not know
3.1 Is there a policy for ICT use in teaching and learning in your university/institution?	☒	☐	☐
3.2 Is there a strategy for Technology-Enabled Learning in your university/institution?	☒	☐	☐
3.3 Is there an ICT policy in your university/institution (covering what technologies to use and not use for teaching and learning)?	☒	☐	☐
3.4 Is there a privacy and data protection policy in your university/institution?	☒	☐	☐

	Yes	No	Do not know
3.5 Is there a policy on dealing with plagiarism in your university/institution?	☐	☒	☐
3.6 Is there a policy for the use of open educational resources in your university/institution?	☐	☒	☐
3.7 Is there a system in place for the use of open source software in your university/institution?	☐	☒	☐
3.8 Is there a workflow and escalation procedure for repair and maintenance of ICTs in your university/institution?	☒	☐	☐

D. Using ICTs for Research and Scholarship

1. Access to e-Resources in Library

1.1 Does your library provide access to subscription-based e-resources?

☐ Yes (Go to 1.2)

☒ No (Go to 2)

☐ Do not know (Go to 2)

1.2 If yes, which kind of library resources do you regularly access for teaching and learning?

Digital library resources	Always	Often	Sometimes	Rarely	Never
e-Journals	☐	☐	☐	☐	☐
e-Books	☐	☐	☐	☐	☐
Citation databases	☐	☐	☐	☐	☐
Bibliographic databases	☐	☐	☐	☐	☐
e-Newspapers	☐	☐	☐	☐	☐
e-Theses and Dissertations	☐	☐	☐	☐	☐
Patent databases	☐	☐	☐	☐	☐
e-Proceedings of conferences	☐	☐	☐	☐	☐
Statistical databases	☐	☐	☐	☐	☐
Any other, please mention	☐	☐	☐	☐	☐

2. Availability of Research Support

2.1 Please rate your experiences with the following resources/services/spaces provided by your institution.

Resources/Services/Spaces	Poor	Fair	Neutral	Good	Excellent	Not available
Access to data storage	☐	☐	☐	☐	☒	☐
Data visualisation software	☐	☐	☒	☐	☐	☐
Citation/reference management software	☒	☐	☐	☐	☐	☐
Plagiarism detection software	☒	☐	☐	☐	☐	☐
Institutional repository for sharing of research	☒	☐	☐	☐	☐	☐
Funds to support open access publications	☐	☒	☐	☐	☐	☐

E. Perceptions of Use of Technology-Enabled Learning

1. Please rate the following attitude statements.

Statements	Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree
Technology-Enabled Learning can solve many of our educational problems.	☒	☐	☐	☐	☐
Technology-Enabled Learning will bring new opportunities for organising teaching and learning.	☒	☐	☐	☐	☐
Technology-Enabled Learning saves time and effort for both teachers and students.	☐	☒	☐	☐	☐
Technology-Enabled Learning increases access to education and training.	☒	☐	☐	☐	☐
Technology-Enabled Learning will increase my efficiency in teaching.	☐	☒	☐	☐	☐
Technology-Enabled Learning enables collaborative learning.	☒	☐	☐	☐	☐
Technology-Enabled Learning can engage learners more than other forms of learning.	☒	☐	☐	☐	☐
Technology-Enabled Learning increases the quality of teaching and learning because it integrates all forms of media: print, audio, video and animation.	☐	☒	☐	☐	☐

Statements	Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly agree
Technology-Enabled Learning increases the flexibility of teaching and learning.	☐	☐	☒	☐	☐
Technology-Enabled Learning improves communication between students and teachers.	☐	☐	☒	☐	☐
Technology-Enabled Learning enhances the pedagogic value of a course.	☐	☒	☐	☐	☐
Universities should adopt more and more Technology-Enabled Learning for the benefit of their students.	☐	☒	☐	☐	☐

2. Please rate the following motivators for you to use Technology-Enabled Learning.

Motivator	Very strong motivator	Strong motivator	Average motivator	Weak motivator	Very weak motivator
Personal interest in using technology	☒	☐	☐	☐	☐
Intellectual challenge	☐	☒	☐	☐	☐
Self-gratification	☐	☒	☐	☐	☐
Training on Technology-Enabled Learning	☒	☐	☐	☐	☐
Better Internet bandwidth at workplace	☒	☐	☐	☐	☐
Credit towards promotion	☐	☐	☒	☐	☐
Professional incentives to use Technology-Enabled Learning	☐	☐	☒	☐	☐
Technical support	☐	☒	☐	☐	☐
Peer recognition, prestige and status	☐	☐	☐	☒	☐
Improved infrastructure (hardware and software) deployment	☐	☐	☒	☐	☐
Release time/Reduction in existing workload	☐	☐	☒	☐	☐
To be a trendsetter by early adoption of technology in education	☐	☐	☒	☐	☐

3. Please rate the following barriers to your use of Technology-Enabled Learning.

Barrier	Very strong barrier	Strong barrier	Average barrier	Weak barrier	Very weak barrier
Concern about faculty workload	☒	☐	☐	☐	☐
Concern about students' access to technology	☒	☐	☐	☐	☐
Lack of training on Technology-Enabled Learning	☐	☐	☒	☐	☐
Lack of technical support in the university	☐	☒	☐	☐	☐
Lack of institutional policy for Technology-Enabled Learning	☐	☒	☐	☐	☐
Lack of professional prestige	☐	☐	☒	☐	☐
Concern about the quality of e-courses	☐	☐	☒	☐	☐
Lack of incentives to use Technology-Enabled Learning	☐	☐	☒	☐	☐
Lack of credit towards promotion	☐	☒	☐	☐	☐
Intimidated by technology	☐	☐	☒	☐	☐
Concern about security issues on the Internet	☐	☒	☒	☐	☐
Inadequate availability of hardware and software	☐	☐	☒	☐	☐
Poor Internet access and networking in the university	☐	☒	☐	☐	☐
Lack of time to develop e-courses	☒	☐	☐	☐	☐
Lack of instructional design support for Technology-Enabled Learning	☒	☐	☐	☐	☐
No role models to follow	☐	☐	☐	☒	☐

F. Your Comments

There is a need to develop a Technology-Enabled Learning policy and strategy in your university.

Comment.

Thank you.