### E-Education & Learning Award

**Award #1:** Individuals, academic institutions, corporations, or NGOs  
**Award #2:** Government authorities

**Award Criteria:** The Digital Age is requiring new sets of skills, and adoption of new models of public education that emphasize coding, programming and computer science must be adopted. Contrary to popular belief, the digital gap is widening, putting pressure on countries to catch up. Public education must adopt new approaches to lifelong learning. This award will be given to the best electronic learning project. We seek any innovative new technological tool, or any project that uses existing electronic learning tools in an innovative way. Such projects should facilitate and support learning through the use of information and communications technology.

### YOUR NOMINEES (limit three nominations per award category). Please specify whether the nominee(s) are for the private or public sector category.

**Public Sector Category:** Taipei City Government

### REASONS FOR NOMINATION  
(Note: It is important that you make a detailed description of the nominee and why you think the nomination is justified. The absence of a detailed summary of qualifications as they relate to the above-mentioned award description will make it difficult for the awards committee to make an appropriate assessment of the candidate):

#### Summary

The “Taipei CooC-Cloud” platform for learning resources, since its establishment in 2016, has launched 11,248 online learning videos and 21 kinds of electronic databases, in an effort to provide parents, teachers and students with personalized and high-quality cloud learning services. After years of efforts to enrich teaching resources, Taipei CooC-Cloud has signed memorandums of understanding with 15 counties and cities across Taiwan to share the resources on the platform. What’s more, it was granted the IDC SCAPA Award in the education category in 2019 and 2020 consecutively, receiving wide international recognition. In 2021, in cooperation with the Department of Education and the Overseas Community Affairs Council (OCAC), Taipei CooC-Cloud promoted CooC Cloud to 1,054 Chinese day schools abroad. In the context of the COVID-19 outbreak, we strive to demonstrate our developmental potential, functionality, and global influence.
Global Impact and Potential
Taipei CooC-Cloud participated in the 2019 IDC Smart City Asia Pacific Awards (SCAPA) to compete with a total of 170 projects from more than a dozen countries. Thanks to CooC-Cloud, Taipei stood out from its competitors and won the SCAPA Award in the education category. That was the first time Taipei took the honor in the category, making it the only laureate in Taiwan over the years. In 2020, Taipei once again won the award in the education category with its “Learning without Boundaries + Taipei CooC E-school” project, turning out to be the city receiving the laurel in the education category for two years in a row. As a result, many Chinese day schools abroad are motivated to seek cooperation with Taipei CooC-Cloud. In 2021, Taipei CooC-Cloud has joined hands with the Overseas Community Affairs Council (OCAC) to introduce CooC Cloud to 1,054 Chinese day schools abroad, with the goal of exporting high-quality digital educational resources, promote the learning and exchanges of teachers and students in Chinese day schools at home and abroad. The online exchanges are expected to deepen their understanding of Taiwan's culture, enhance their impression on Taiwan, and share Taiwan's education resources, thereby forging digital education and cultural exchanges that are comprehensively in line with international cooperation.

Scalabilities
Resource extension: Enrich digital learning resources and Diversified application scenarios
Since 2016, Taipei CooC-Cloud gathered course teachers in Taipei and recorded more than 10,000 online learning videos covering a total of 24 subjects from elementary school to high school. In addition, 21 electronic databases were developed. Taipei CooC-Cloud breaks through traditional blackboard-based teaching methods by introducing such digital technologies as AR and simulation animation for teachers and students to use in and after class. The introduction of such new technologies allows students to understand the contents lectured more deeply. Through these efforts, CooC-Cloud has grown into a library with the richest self-study resourced. In 2017, it combined synchronous and asynchronous interactive teaching functions, allowing teachers to perform lesson preparation, teaching, and task assignments. In 2019, it newly added an e-book reading platform, by which users can read e-books and share their reading experience and reflections. In 2021, an upgraded version of Taipei CooC-Cloud was launched, and a CooC APP was developed as a parent-teacher-student platform, effectively closing parent-teacher distance and reducing the workload of school administrative staff. In addition, it offers the functions of electronic contact books, online survey forms, campus electronic
payments, activity registration, score query and more. Therefore, apart from assisting students in their studies, CooC-Cloud strives to satisfy their daily needs in a smarter world.

**Initiative**

*Launch nationwide cross-county and cross-school online courses and establish a new form of online learning*

As early as 2017 before the Covid-19 outbreak that triggered the rise of the global remote teaching wave, CooC-Cloud began to provide teachers and students in high schools across Taiwan with cross-school online elective course services by taking advantage of its perfect synchronous and asynchronous teaching functions. As of 2021, Taipei City has signed a memorandum with 15 counties and cities, specifically including Keelung City, Hsinchu City, Chiayi County, Chiayi City, Pingtung County, Hualien County, Hsinchu County, Miaoli County, Lienchiang County, Yunlin County, Taichung City, Taitung County, Changhua County, Taoyuan County and Kinmen County. It is hoped to promote professional exchanges among teachers in the counties and cities, realize cross-field collaborative lesson preparation, and push forward mutually beneficial actions by sharing the Taipei CooC-Cloud platform. Based on that, various diversified real-time courses are developed to assist students in independent studies after class and steer digital learning towards adaptability, diversity, independence, and student-centered education.

**Proven Solutions**

*Present a non-stop learning plan and safeguard the learning rights of students during the class suspension period due to epidemic prevention*

During the class suspension period from May 19, 2021 to July 1, 2021 in response to the Covid-19 epidemic, the number of CooC-Cloud users increased by more than 25.02 million, overfilling 70 million visits. To be specific, the number of hits of online courses exceeded 330 million, and the number of registrations increased by 0.11 million. A total of 315 schools across the country launched a total of 26,148 courses. The proportion of teachers and students who performed online teaching or learning in Taipei reached up to 98%, of which 80% used CooC-Cloud. This value suggests that CooC-Cloud has grown into an indispensable teaching platform in the education industry.

Meanwhile, the introduction of these courses has verified that in the context of an outbreak, teachers and students across Taiwan can rely on the platforms of CooC-Cloud to enhance student learning efficiency and increase the depth of courses. Hence,
students’ learning rights can be protected and the goal of class suspension yet non-stop learning can be realized by guiding students to learn independently.

With the rise of Internet technology, teachers and students at home and abroad are expected to promote Taipei’s smart education to overseas places by taking advantage of the rich teaching resources and diverse digital learning environment that Taipei CooC-Cloud offers. These efforts contribute to enhancing the output influence of Taiwan’s high-quality education and making Taipei CooC-Cloud the preferred education platform for ethnic Chinese.

SUPPORTING INFORMATION: Please send any supporting information to the address above, including information from candidate (i.e. excerpt from program description, web site print-out, press release, etc.)

1. cross-county and cross-school online courses
   (1) https://www.youtube.com/watch?v=UEGNZBgy_r4&list=PLm778hWdXOZIGWEYENacX4f1hFKjw5x2i&index=7
   (2) https://www.youtube.com/watch?v=pEya6-UtiHM&list=PLm778hWdXOZIGWEYENacX4f1hFKjw5x2i&index=6
   (3) https://www.youtube.com/watch?v=9R0RCYh2P9E&list=PLm778hWdXOZIGWEYENacX4f1hFKjw5x2i&index=1

2. new online learning videos (mathematics、Physical and chemical、biology)
   (1) https://www.youtube.com/watch?v=W94HoiHgwFw&list=PLm778hWdXOZIGWEYENacX4f1hFKjw5x2i&index=3
   (2) https://www.youtube.com/watch?v=AdYM7PsbxZo&list=PLm778hWdXOZIGWEYENacX4f1hFKjw5x2i&index=2
   (3) https://www.youtube.com/watch?v=2JpmQ_W_Bhq&list=PLm778hWdXOZIGWEYENacX4f1hFKjw5x2i&index=4
Taipei CooC Cloud Service

Enrich digital learning resources

- Online learning videos
  - Elementary to High school
- Online courses
  - Pathway program/
  - Refresher course/Self-learning
- Synchronous & Asynchronous Learning
  - Interactive teaching functions
  - Perform lesson preparation, teaching, and task assignments.
- Digital Learning Resources
  - 21 electronic databases/
  - Online course packs
  - Teaching materials for teachers
- Academic portfolio
  - Activity registration/
  - Student portfolio
- E-book reading platform
  - Share reading experience & reflections/
  - E-book maker

Taipei CooC Cloud Platform

Overfilling 70 million visits!!!

Laurel in the Education Category for TWO years in a row.

Taipei CooC Cloud Platform

Professional exchanges among Teachers

Cross-field Collaborative Lesson preparation

Assist Students Independent Studies

- Keelung City
- Hsinchu City
- Hsinchu County
- Miaoli County
- Taichung City
- Changhua County
- Yilan County
- Lienchiang County
- Chiayi City
- Chiayi County
- Hualien County
- Taitung County
- Tainan City
- Pingtung County
- Kinmen County

Taipei City Signed a Memorandum with 15 counties and cities
Cooperation with OCAC

- Exporting high-quality digital educational resources
- Deepen Understanding of Taiwan’s Culture
- Cultural exchanges Comprehensively in line with International Cooperation

COOC online school

- develop a diversified two-way course system
- Synchronous & Asynchronous Learning
- Across Taiwan and Cross-School online elective course
- Inquiry and Practice Develop Independence Thinking
- Various Diversified Real-Time Courses
- Pop Quiz by COOC app
- Assisting Students in Studies

Taipei CooC Cloud Development

- Taipei CooC Cloud 1.0
  - Preparation stage ~2016
  - First LEarning Resource Platform in Taiwan
- Taipei CooC Cloud 2.0
  - 2017~2018
  - Developed Various diversified Real-Time courses
- Taipei CooC Cloud 3.0
  - 2019~2020
  - Function extension Diversified application scenarios
- Taipei CooC Cloud 4.0
  - 2021
  - School-Social-Network Share the infrastructure with Taipei CooC Cloud
COOC 4.0 – School Social Network Service

Strives to Satisfy Daily needs in a SMARter World

Online Survey Forms  Score Query  Activity Registration  Message Center

Single Account  Arrival & Leave of Absence  Roll-Calling timely link up  Academic Calendar

COOC 4.0- School Social Network Scenario

Integration of Learning & Life

COOC 4.0-School Social Network Infrastructure

Learning
Share Various Clearly Classified Learning Resources

Life
According to Identities
Provided different services by linking administrative and teaching websites together
NOMINEE CONTACT INFORMATION (for award follow up and coordination)
Name/title: Sun-Yi, Yang/ Sub-section Chief
Email: ic-sofiayang@mail.taipei.gov.tw
Phone/Mobile: +886-2-2720-8889 ext.8588