

## Government Subsidies Help Build Smart Campuses Innovative Teaching. Fun Learning



**"Parents & Teachers  
Jetso FUN Club"  
Officially Launched!**

Scan the QR code for more info!



### Campus Success Stories

Successful Applications for Government Subsidies  
Help Build Smart Campuses



**5G Smart Robot & Positioning Bracelets**  
The CCC Mongkok Church Kai Oi School  
Ms Leung Wun-kam, Principal

Hong Kong Red Cross Margaret Trench School  
Mr Chuin Chi-wai, Principal



**5G "Bus of Treasure" Life  
Education Centre**  
Caritas Ma On Shan Secondary School  
Ms Tso Suet-lin, Principal

### Smart Campus Solutions >>>

- ▶ Full 5G Network Coverage
- ▶ Smart Robot
- ▶ Artificial Intelligence (AI) Interactive Sports System
- ▶ School Asset Management System
- ▶ Virtual Reality (VR) / Augmented Reality (AR) Teaching
- ▶ Zoom
- ▶ Exclusive Offers for Teachers and Students

## Success Stories of "Subsidy Scheme for Encouraging Early Deployment of 5G"

# The CCC Mongkok Church Kai Oi School & Hong Kong Red Cross Margaret Trench School

### 5G Smart Robot and Positioning Bracelets Solution

Two special schools, The CCC Mongkok Church Kai Oi School and Hong Kong Red Cross Margaret Trench School, have recently taken the lead in implementing the 5G smart robot and positioning bracelets solution to bring an all-new 5G smart campus learning experience to their students with special educational and safety needs.

Smart positioning bracelets are distributed to detect abnormal intrusions and danger zones. They help prevent off-campus accidents by triggering alarms and notifying teachers or dispatching a robot to locate the affected student.

In addition, the 5G robot encourages self-learning by allowing teachers to create customised content and upload it to the cloud. The robot identifies students and their preferences through the bracelets, retrieves relevant content from the cloud, and interacts with students, boosting their interest in self-learning and communication skills.



The 5G Smart Robot patrols the campus to ensure the safety of students.



“We are delighted to be the first school to have successfully applied for the 'Subsidy Scheme for Encouraging Early Deployment of 5G' and receive a full grant of HK\$500,000. The 3Education team's expert advice and suggestions on a 5G network upgrade and robot solution, coupled with its one-stop project management service, made the application process all the smoother.”

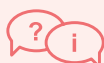
said Ms Leung Wun-kam, Principal of The CCC Mongkok Church Kai Oi School

“5G technology helps immensely in transmitting high-definition images to convey teaching content regardless of location. Students have become more interested in learning about their surroundings after the introduction of the 5G robot and positioning bracelets. We believe the video function of the robot can also facilitate remote rehabilitation and personalised support services in the future.”

said Mr. Chuin Chi Wai, Principal of Hong Kong Red Cross Margaret Trench School



### 3Education provides support to schools in government subsidy applications



Technical Consultation



Assistance in Subsidy Application



Project Management



7 x 24 Technical Support





## Success Story of "Subsidy Scheme for Encouraging Early Deployment of 5G"

# Caritas Ma On Shan Secondary School



### 5G "Bus of Treasure" Life Education Centre

Committed to promoting life education to students, Caritas Ma On Shan Secondary School converted a decommissioned double-decker bus, donated to them by a bus company, into a life education centre named "Bus of Treasure" last year. 3Education helped set up a 5G mobile broadband network and provided VR and AR technologies to create an immersive life education experience for students to ponder upon different scenarios in life, thereby instilling positive attitudes towards life.



Guests put on VR headsets to get a taste of the immersive life education experience at the 5G "Bus of Treasure".

Due to space constraints, the "Bus of Treasure" Life Education Centre is parked at the playground where traditional fixed-line broadband is unavailable. The 3Education team suggested switching the education centre to a high-speed and stable 5G mobile broadband network with no installation needed to leverage the VR learning experience. The education centre comprises two floors: the lower floor is an exhibition area on community awareness, whereas the upper floor is an interactive teaching area equipped with VR technologies, which covers three major topics: daily life, life and death and life anecdotes. The 3Education team assisted the school in completing the first VR scenography production, taking the lead in allowing teachers and students to experience life education in VR, and discovering together the value, beauty, and majesty of life.



“ The 3Education team has provided us with a one-stop subsidy application solution including VR scenography design, site visits, 5G tests and upgrades, to provide our school with faster and smoother 5G connectivity. ”

said Ms Tso Suet Lin, Principal of Caritas Ma On Shan Secondary School



### Knowing More About IT Programme

#### Funding Scope

Organising extra-curricular activities related to innovation and technology

#### Application Deadline

August 31, 2024

#### Funding Amount

Up to HKD 400,000

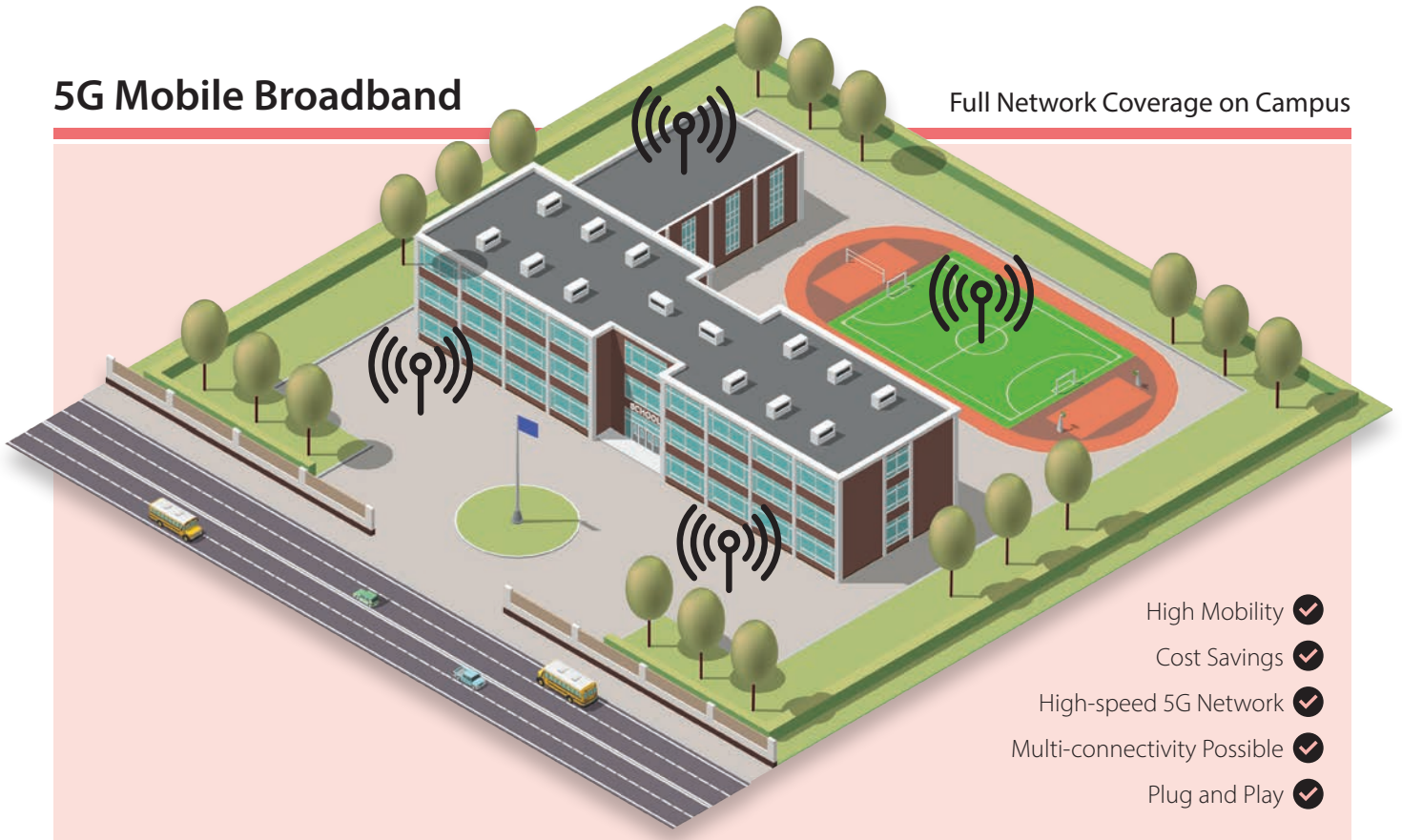
#### Applicable programmes

5G LIVE Up, 5G Campus Network and Smart Robot

# Full 5G Network Coverage

## 5G Mobile Broadband

Full Network Coverage on Campus



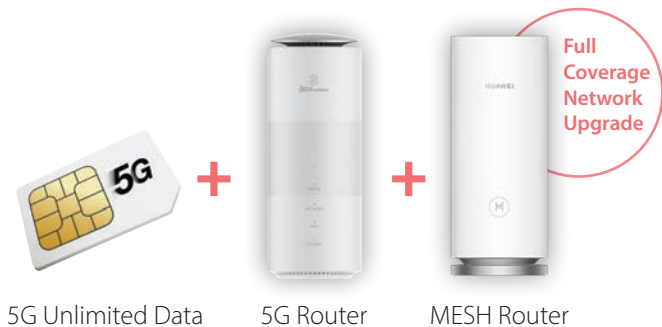
- High Mobility ✓
- Cost Savings ✓
- High-speed 5G Network ✓
- Multi-connectivity Possible ✓
- Plug and Play ✓

3Education provides schools with full network coverage, assists schools in applying for various kinds of government subsidies, and provides a one-stop technical consultation, network installation, and optimisation services to facilitate the smooth upgrade to the 5G campus network.

## Full Coverage Network Plan for Campus

### Plan 1

No cabling. Plug and play anytime anywhere



Compact and easy to install

### Plan 2

Wireless Access Points (WAP) already available on campus



Seamless upgrade to 5G network using pre-existing WAP, no need for cabling



# Smart Robots



Smart robots can perform different tasks on campus, such as disinfection and simple transportation. They can also serve as school ambassadors or campus guides. Students can get a first-hand experience of IT education by interacting with smart robots.



## Solution Benefits



Pre-sets disinfection route and time



Automatically avoids pedestrians and obstacles along the way



User-friendly interface  
High scalability



Customisable outlook  
(e.g. school uniforms or different event-themed outfits)

## Applications

### Disinfection

► Aerosol disinfection technology is used to clean hard-to-reach areas regularly following a pre-set route.



► 3 Hong Kong has helped ParknShop to deploy Smart Disinfection Robots in 15 flagship supermarkets to carry out disinfection tasks with self-navigation, providing customers and frontline workers with a hygienic and safe shopping and working environment.

### Reception / Programme Guide

► Greet teachers, students, and guests at the school gate and present preset campus information.



### Library Management

► Indicate book locations and assist delivery of books or educational materials to a designated place.



### Campus Patrol

► Navigate with preset patrol routes and schedule and automatically upload patrol footage to a school server for record purposes.



### Accident Prevention

► Paired with Positioning Bracelets, Smart Robots can trace locations of students and notify teachers when abnormal intrusions of danger zones are detected.



# AI Interactive Sports System

## LEVEL UP!

Education and health are pivotal to the personal growth of students. The AI Interactive Sports System uses holographic projection and interactive sensory technologies to create a vivid sports experience. Using various motion-tracking devices to simulate sports such as skiing, cycling, and fencing, the system analyses a student's posture and performance, making it easier for teachers to understand an individual's athletic potential and training needs and enhance the benefits of sports training for students. The system can also provide real-time rankings that facilitate the organisation of online intra- and inter-school competitions.

## Learning through Interactive Games

- ▶ A myriad of fun sports programmes to choose from
- ▶ AI accurately measures and analyses students' performance with real-time recording and synchronised result recording
- ▶ Real-time result recording facilitates the organisation of online inter-school competitions



## Campus Success Case

### Hong Kong Baptist University Affiliated School Wong Kam Fai Secondary and Primary School

Intended to encourage students to exercise more, Hong Kong Baptist University Affiliated School Wong Kam Fai Secondary and Primary School organised an on-campus E-Sports Day in collaboration with 3Education. Through the 5G-enabled AI Interactive Sports System, students were able to experience a wide range of simulated sports, including cycling, football, swimming, and even skiing, a sport that is otherwise subject to venue and weather constraints.



Encourages students to actively participate in sports



Enhances students' social skills



Records and analyses students' performance in sports



Schedule a visit to DIGIBOX now!

## DIGIBOX



The AI Interactive Sports System is featured at DIGIBOX, Hutchison Telecom Hong Kong's 5G corporate solution hub. Scan the QR code or contact the 3Education team on 6341 0510 to schedule a visit or organise 5G workshops at DIGIBOX for free!





# School Asset Management System

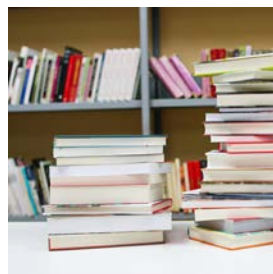
Schools are often faced with the task of stock-taking a massive amount of teaching materials, books, computers and sports equipment. Yet, manual stock counting is time-consuming and prone to errors. And after stock taking, teachers may have to input data for updating and reporting purposes, requiring a heavy workload and time. With radio-frequency identification (RFID) technology, teachers or staff can easily and speedily complete the relevant tasks and channel their time to better use.

## Asset Management System

**Complete school-wide stock-taking within days, saving 90% of time and manpower.**

### Step 1

- Place RFID chips onto objects.



### Step 2

- Scanners scan RFID chip-labelled assets within 10 metres into the system.



### Step 3

- Scanner completes stock-taking and sends the list back to the system.
- Automatically generates reports for depreciation, borrowing, lending, returns, and write-offs.
- Reports can be accessed via any electronic device.



## Library Solution

**Aids and streamlines librarians' work in annual stock-taking of library materials.**



Barcodes on books are easily damaged or smudged. RFID chips can be affixed to the inside of book covers for better durability.



Scans multiple books and records to the system at once to shorten students' checkout time.



The system automatically sends out emails to remind students to return borrowed materials.



Books can be sorted by category using bookbinding tapes.

# VR Teaching



VR transcends geographical boundaries and brings students a vivid, immersive learning experience. With a rich library of resources spanning various disciplines, VR helps spark the imagination, ignite curiosity, and elevate the teaching-learning experience to a new level.

## Three VR Teaching Suggestions



### STEM Teaching Programmes

Students can learn biology, chemistry, physics, mathematics and more from more than 500 VR STEM courses.



### English Speaking Practice

Practise and improve English-speaking skills with more than 100 daily conversations.



### Virtual Tour Experience

Virtual tours allow students to wander around the world, visit 20 famous landmarks and learn about their history, traditions and cultures.

## Solution Benefits

### Customisation Option and Preset Content Available

Schools can choose the right VR teaching solution according to their needs. Customising VR courses provide schools and educational institutions with a true metaverse solution that is highly flexible and allows teachers and students to co-organise and participate in virtual activities. In addition, more than 700 preset VR courses covering different disciplines are also available.



### Solution 1

#### Customise content for enhanced interactivity

- ▶ Create your own metaverse space and hold virtual events.
- ▶ Link to your virtual wallet for NFT art exhibitions and auctions.
- ▶ A wide range of NFT and VR design courses to choose from.

### Solution 2

#### Preset content readily available

- ▶ Content tailored for primary and secondary schools in Hong Kong.
- ▶ More than 700 courses available, with course updates every month.
- ▶ Aids lesson preparation by providing teaching support, guidance, and problem discussion.
- ▶ Analyses students' academic performance and prepares assessment reports.



# AR Teaching



Teachers can use smart devices to create audio, video, and other multimedia AR materials that students can view through electronic devices from the comfort of their homes.

## Solution Benefits



Enhance distance learning effectiveness by allowing students to review supplementary information at any time according to individual learning progress.



Ignite interest in learning by incorporating AR elements into teaching materials



Parents can guide their children's learning with easy-to-use AR apps.



# Zoom



## Zoom Classrooms

In 2020, Hutchison Telecom Hong Kong and The Hong Kong Jockey Club donated free accounts of Zoom Classrooms app and free 4.5G mobile data with a monthly entitlement of 30GB for four months to help students from 1,000 primary and secondary schools switch to online learning.

### Many school users praised the Zoom Classrooms:

“ 7 × 24 professional technical support. ”

“ Understands the needs of schools well. ”



## Zoom for Education

- ▶ Assisted the upgrade from Zoom Classrooms to Zoom for Education for over 250 primary and secondary schools.
- ▶ Professional online teaching solution, hosting more than 300 participants in classes and webinars.
- ▶ Recordings and audio transcripts are available for lesson reviews.

# 3Education Fully Supports School Activities

3Education is fully committed to supporting school activities, nurturing talents, and promoting the development of 5G Smart Campuses, assisting schools in adapting technology to cultivate self-learning ability for the new generation.

## Event Review

### The 1st Minecraft: Education Edition Competition

Co-organised by Christian Alliance S W Chan Memorial College and The Y.W.C.A. Hioe Tjo Yoeng College, the competition combined programming and eSports to strengthen the logical calculation and three-dimensional thinking skills of students. As an event sponsor, 3Education provided a high-speed, ultra-stable 5G Broadband network that enabled multi-connectivity. Participants competed in real-time player-versus-player combat on specially designed maps, putting their computational thinking and programming skills to practise.



### The 5th Hong Kong Interschool Latte Art Competition



3Education fully supported the 5th Hong Kong Interschool Latte Art Competition organised by the Boy's Brigade, Hong Kong, promoting whole-person development and encouraging students to explore their potential. The 3Education team demonstrated 5G Network and VR multi-learning platform applications that can potentially enhance interest in learning and inspire creative thinking at the event.



3Education has been an avid supporter of school events and competitions. Contact the 3Education team to schedule a visit to or host events at DIGIBOX.





# Exclusive Offers for Teachers and Students

On top of providing a professional one-stop support in applying for different government subsidies, the 3Education team also provides schools with 5G SIM plans and other exciting offers for schools, teaching staff and parents.

## 5G makes online learning a breeze!



## 5G Broadband monthly subscription fee as low as **\$118\***

	5G Monthly SIM Plan	5G Broadband Plan
Monthly Fee x Contract Period	\$124 × 24 Months	\$118 × 30 Months
Local Data	45GB	Infinite 5G Broadband Data <sup>^</sup>
	<div>Extra \$19/month</div> <div>  <b>Freely-use Zoom data</b>            (Original Price: \$59/month)         </div>	<div>FREE</div> <div>  <div>           支援  <b>WiFi 6</b>            CERTIFIED         </div> <b>Brand new</b>            3HK 5G CPE5<sup>#</sup>            (Worth: \$2,488)         </div>

More offer plans are available. Please contact the 3Education team for more information.

\* The offer is only applicable to designated public housing estates and Home Ownership Scheme households.

<sup>^</sup> Once the mobile data usage reaches the 300GB data entitlement of your monthly service plan, data service will continue subject to the maximum download speed of 5G network with less network resources allocated according to network conditions which may affect your data service experience until the cutoff date of the relevant bill cycle. °

<sup>#</sup> The designated plan fee includes the monthly rental fee for 5G Router. The rented 5G Router under this plan is a refurbished unit and supplies are limited. The final router model is subject to availability. 5G Wi-Fi 6 Router rental service is not applicable to online subscription. Terms and Conditions apply. Please contact your account manager for more details. Hutchison Telephone Company Limited ("HTCL") reserves the right to terminate or change this monthly plan, discounts, terms and conditions without notification. HTCL shall have the final decision in case of any dispute.



# Parents & Teachers Jetso FUN Club

Join Now!  
For FREE!



Parents & Teachers Jetso Fun Club provides you with lots of jetso and promotional offers. It's now open for registration to parents and teaching staff of kindergartens, primary, secondary schools and colleges.



Exclusive jetso offers



Discounts on workshops



Priority to join new product experience days and seminars



**Register Now!**

**Contact the 3Education team  
for custom-made Smart Campus solutions.**

✉ [3education@hthk.com](mailto:3education@hthk.com)

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