

Smart People Award 智慧市民獎







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Smart People Award 智慧市民獎



Background 背景

The Hong Kong ICT Awards aims at recognising and promoting outstanding information and communications technology (ICT) inventions and applications, thereby encouraging innovation and excellence among Hong Kong's ICT talent and enterprises in their constant pursuit of creative and better solutions to meet business and social needs.

The Hong Kong ICT Awards was established in 2006 with the collaborative efforts of the industry, academia and the Government. Steered by the Office of the Government Chief Information Officer, and organised by Hong Kong ICT industry associations and professional bodies, the Awards aims at building a locally espoused and internationally acclaimed brand of ICT awards.

There are eight categories under the Hong Kong ICT Awards 2022. There is one Grand Award in each category, and an "Award of the Year" is selected from the eight Grand Awards by the Grand Judging Panel.

香港資訊及通訊科技獎旨在表揚及推廣優秀的資訊及通訊科技發明和應用,以鼓勵香港業界精英和企業不斷追求創新和卓越,謀求更佳和更具創意的方案,滿足企業的營運需要,造福社會。

通過業界、學術界和政府的共同努力,香港資訊 及通訊科技獎於二零零六年成立。香港資訊及通 訊科技獎由政府資訊科技總監辦公室策動,並由 香港業界組織及專業團體主辦,目的是為香港建 立一個廣受香港社會愛戴、並獲國際認同的資訊 及通訊科技專業獎項。

2022香港資訊及通訊科技獎設有八個類別的獎項。每個類別均設有一個大獎,而最終評審委員會再從八個大獎中甄選出「全年大獎」。

Objective 目的

Hong Kong ICT Awards 2022: Smart People Award is established to recognise innovative development of ICT products / solutions or ICT-enabled services with the following objectives:

- To promote the rights of the disadvantaged groups to participate and contribute to the development of information society
- 2. To recognise the ICT innovations that address the challenges facing the ageing society
- 3. To encourage ICT in education for all people, safeguard their right to education and no one will be being marginalised

「2022香港資訊及通訊科技獎:智慧市民獎」旨在表揚社會各界致力發展創新資訊科技產品,並投入資訊科技於服務中,目的如下:

- 1. 推動弱勢社群參與及促進資訊科技社會發展的權利
- 2. 表揚各資訊科技創新項目,以回應老齡化社會 面臨的挑戰
- 3. 推動資訊科技在教育的應用,讓所有年齡、社經背景的人,均能接受教育以及免被邊緣化

Message from Chief Executive of Leading Organiser 籌辦機構獻辭



HKCSS拼

Mr. CHUA Hoi Wai, JP Chief Executive The Hong Kong Council of Social Servi

蔡海偉先生,JP 香港社會服務聯會 行政總裁

Innovation and technology provide new opportunities for improving people's quality of life in different domains such as social services, employment, education, economy and mass communication. Yet, many disadvantaged groups do not have the privilege to fully benefit from the applications of ICT.

Over the years, The Hong Kong Council of Social Service (HKCSS) has worked closely with different sectors to promote social innovation and Gerontechnology, enhance better living for elderly people, people with disabilities and carers, as well as to advocate educational technology. We have proactively promoted ICT-enabled social innovation, in order to bring the development of social services to a new chapter.

This year, we are honored to be the Leading Organiser of the Smart People Award again, which is comprised of the 3 streams of Smart Ageing, Smart Inclusion and Smart Education and Learning, to promote the use of ICT in different scopes, and to achieve the goal of ICT integration for all. It's encouraging to see many high quality and people-centric entries, which fully demonstrate the innovation and creativity in the social services. We are pleased to take the lead, and encourage the community to place more emphasis on ICT development, especially for the needy group in Hong Kong.

I would like to take this opportunity to congratulate all winners and thank all the entrants for embracing ICT for all and supporting digital inclusion. Your creativity, efforts and contributions will enhance the knowledge and application of ICT among the general public. We share the same mission in promoting the use of ICT in the community and together we will build a just and caring information society.

創新科技在社會服務、就業、教育、經濟、大眾 傳播等不同領域改善市民的生活。與此同時,社 會上仍有很多弱勢社群未能享受資訊科技所帶來 的好處。

多年來,香港社會服務聯會(社聯)—直與許多不同界別緊密合作,推動社會創新及樂齡科技,致力改善長者、殘疾人士以及照顧者的生活,並在教育方面提倡科技發展。社聯亦積極推動以科技實現的服務創新,促進社會服務發展邁進新一頁。

今年,我們很榮幸得以再次籌辦「智慧市民獎」, 當中分為三大組別:智慧樂齡、智慧共融和智慧 教育及學習,以推動資訊科技在不同範疇的應 用,讓所有年齡、社經背景及不同能力的人士, 均能體會資訊科技在生活及教育各範疇上的的 , 我們樂見整體參賽作品的水準極高,能夠 使用者為本,真正了解他們的需要,研發結合創 新科技元素的方案,令人鼓舞。我們將繼續鼓勵 社會關注資訊科技在弱勢社群的應用,推動香港 成為一個數碼共融的城市。

我謹恭賀各得獎者,並感謝各參賽者在推動數碼 共融作出的重要貢獻。你們的創意和積極投入, 使大眾對資訊科技的認識和應用水平不斷提升。 我期待與各位繼續合作,透過使用資訊及通訊科 技,攜手建立—個公平及關愛的共融社會。

Message from Chairman of Final Judging Panel 評審委員會主席獻辭



My sincere congratulations on the success of all winners of Hong Kong ICT Awards 2022: Smart People Award.

All entrants have clearly demonstrated their solid research and understanding on their target groups and the public, and to foster better living by producing innovative solutions and applications. Congratulations again on their success and thank you for their commitment.

On behalf of the Judging Panel, I would like to extend my sincere gratitude to our dedicated Judges and Assessors who had contributed their time and fruitful labour to make the success of the Smart People Award possible. My heartfelt appreciation also goes to HKCSS and The HKICT Awards Secretariat Office. Their hard work had greatly contributed to the success of the Award.

Let us wish that this year's awardees and entrants will continue to strive for excellence and be able to induce further impact beyond the competition and the Award. Smart People Award will continue to recognise and encourage ICT talent in Hong Kong. Let's work together to promote quality ICT products and services to benefit the community and globally-connected information world.

Mrs. Agnes MAK, MH, JP Executive Director iPrinciple Ltd.

麥鄧碧儀女士, MH, JP 執行董事 iPrinciple Ltd.

衷心祝賀2022香港資訊及通訊科技獎:「智慧市 民獎」所有得獎者!

今年的香港資訊及通訊科技獎參賽隊伍均有超凡的水準及表現。參賽隊伍均展示出對不同群體和公眾的需要充分了解和作出積極研究,並善用科技服務社會,為他們創建—個更好的未來。在此再次恭賀各得獎者和感謝他們的貢獻。

本屆「智慧市民獎」得以成功,全賴參與的評審 及審核成員的鼎力支持,在選出優勝作品的過程 中付出了不少時間和心血。本人謹代表評審委員 會向他們衷心致謝。我亦要向香港社會服務聯會 和香港資訊及通訊科技獎秘書處致謝,全憑他們 的努力,比賽才得以順利舉行。

衷心祝願本屆得獎者及參賽隊伍,繼續追求卓越,於比賽和獎項以外發揮更大的影響力。香港資訊及通訊科技獎:智慧市民獎將繼續表揚及鼓勵香港科技人才。共同協力在社區推動科技與創新意念的應用,讓更多社區以致全球網絡相連的世界受益。

Smart People Award Judging Panel 智慧市民獎評審委員會





Chairperson 主席

Mrs. Agnes MAK, MH, JP Executive Director, iPrinciple Ltd, 麥鄧碧儀女士, MH, JP iPrinciple Ltd,執行董事

Members 成員

Name are listed in alphabetical order by surname 以英文姓氏排序

Ms. Chris CHAN

陳晶女士

Assistant Director, Incubation & Acceleration Programmes, Hong Kong Science & Technology Parks Corporation 香港科技園公司創科培育及企業加速計劃 副總監

Ms. Virginia CHAN, JP

陳彩英女士, JP

Chairman, Community Service Network Steering Committee, Wofoo Social Enterprise

和富社區服務網絡 督導委員會主席

Mr. Victor CHENG

鄭弼亮先生

Executive Director, Hong Kong Education City Limited 香港教育城 行政總監

Mr. Alex CHUNG

President, Hong Kong Information Technology Federation

香港資訊科技商會 會長

Mr. Kelvin LEE

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Chief Consultant, Ma Kam Wah & Co. 馬錦華專業管理顧問公司 總顧問

Dr. Edith MOK, MH 莫關雁卿博士, MH

Vice Chairperson, Hong Kong Society for Rehabilitation

香港復康會 副主席

Ms. Alice SO

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Head of Entrepreneurship, Hong Kong Cyberport Management Company Ltd.

香港數碼港管理有限公司 創業家組總監

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香港明愛專上學院社會科學院 副院長

Smart People Grand Award and Smart People (Smart Ageing) Gold Award 智慧市民大獎 及智慧市民(智慧樂龄)金獎

Belun Technology Company Limited 倍靈科技有限公司

belun.tech/ beluntech.com/



Belun® remoVital Monitoring System

Belun Technology is a healthcare data technology company for preventive healthcare powered by billions of health fingerprints and proprietary Al algorithms collected globally, including the US, Hong Kong, Singapore, Malaysia & Taiwan. They develop medical-grade wearables, MIoT solutions & Al algorithms for chronic disease health risk forecast and advice. Their newly deployed MIoT - Belun® RemoVital monitoring system empowers efficient monitoring & better

倍靈遠距健康監測系統

倍靈科技是一家健康數據科技公司,提供預防性醫療保健解決方案。倍靈科技通過數十億健康指紋,開發受專利保護的人工智能演算法。倍靈遠距健康監測系統為長者和患者提供了有效的監測和更好的護理。其警報功能有助於及早發現病情惡化的患者,以便及時提供醫療支緩。在香港第五次新冠狀病毒病爆發期間,超過1,000套系統安裝於檢疫中心及安老院,協助監測新冠患者及被



care for the elderly & patients. Its alert system facilitates early detection of deteriorating patients for timely medical support. During the fifth COVID-19 outbreak in Hong Kong, 1,000+ devices were deployed to quarantine centres and residential care homes to monitor COVID-19 patients and safeguard the elderly. In addition, our device reduces 90% of unnecessary interactions with patients in the dirty zone, thus minimizing the risk of the virus spreading & solving the problem of care worker shortage during the pandemic. With the global ageing population, we foresee the prevalence of chronic diseases & the need for long-term healthcare solutions. In addition, the applications of ICT and Gerontechnology in the senior care industry can provide a preventive, flexible & sustainable solution to Hong Kong's ageing population & post-COVID patient recovery.

隔離的長者。系統減少護理人員與新冠患者九成不必要的接觸,不但有助減低病毒傳播,也舒緩了當時護理人員的心理壓力和人手短缺的問題。 面對全球人口老化的問題,倍靈科技可預見社會 對醫療保健解決方案的需求。樂齡科技與資訊科 技將為安老業和居家安老提供預防性、靈活和可 持續的解決方案。

Comments from Judging Panel 評審委員會評語

The product demonstrates a good interfacing and application of technology in elderly service. Real-time monitoring of vital signs and timely warning of the user's physiological conditions. The caregiver can check the health status of the user anytime and remotely from anywhere, significantly improving the efficiency of care.

產品於樂齡科技服務上運用了良好的技術和應用。實時監測血氧、脈搏、體溫等生命體徵,就使用者健康狀況及時作出警報。照顧者可遙距並隨時隨地了解使用者身體狀況,大大提高護理效率,能更有效保障院友的健康,也令照顧者可以舒緩部分的壓力。

Smart People (Smart Ageing) Silver Award 智慧市民(智慧樂龄)銀獎

The Hong Kong Polytechnic University 香港理工大學

www.polyu.edu.hk

A Stand-alone Therapeutic Music-with-Movement Programme for Elderly with Cognitive Impairment

This stand-alone music-with-movement programme is designed to deliver the evidence-based therapeutic music-with-movement intervention to older adults with cognitive impairment, for improving their cognition and psychosocial symptoms.

The team has invented the wireless-charging motion-sensing instruments to engage participants in the interactive music-with-movement intervention and track the engagement level and cognitive performance (i.e. reaction time, resultant force, and accuracy in performing the cognitive tasks). The developed system allows flexible online training; remote game management and monitoring of the game actions through the game editor engine; interaction between participants and the system using augmented reality (AR) and motion sensing technologies for enhancing fun; and automatic report generations.

During the COVID-19 pandemic period, older adults with cognitive impairment are the most vulnerable group in the society under the social restriction policy. Music is an excellent therapeutic medium for caring for people with cognitive impairment, who have impaired memory and verbal communication skills. This programme offers an innovative psychosocial intervention that addresses the needs for cognitive stimulation and social interaction and help them maintain their health and well-being.

Acknowledgement:

Innovation and Technology Fund for Better Living, Ho Cheung Shuk Yuen Charitable Foundation and School of Nursing, The Hong Kong Polytechnic University for funding support.

Comments from Judging Panel 評審委員會評語

The system provides a convenient and easy ways for engaging elders into music program, bringing quality of life to them. Music and Games for the dementia with the intention to help their emotional behavior and cognitive slow down. It's a user friendly and good solution to assess the responses of the elders when participating the program.



一站式認知障礙症長者的治療性音樂律動程式

一站式程式以認知障礙長者為對象,提供已證實 有療效的音樂律動干預,幫助對象改善認知能力 和其他心理社交症狀。

由研究團隊開發的無線及可充電動作感應樂器,可促進參與者投入互動的音樂律動干預,並能追蹤他們的參與度和認知表現,例如:反應時間、力量和處理認知任務的準確性等。家屬及員工可運用本程式進行靈活的網上培訓。我們更設計了遠端遊戲管理系統 - 遊戲編輯器,用作監察遊戲動作,及更新活動程式。另外程式更能自動編寫長者參與活動的有關報告。此外,本程式應用擴增實境和動作傳感科技以增加遊戲樂趣,促進參與者與系統互動。

2019冠狀病毒病大流行期間,在各種防疫社交距離的政策限制下,患有認知障礙的長者是社會中最脆弱的群體。音樂用於照顧有記憶及言語能力衰退的認知障礙症患者來說,就最合適不過。程式提供具創意的社會心理干預,回應這群體對認知刺激和社交互動的需求,助他們維持身心健康。

鳴謝:

創科生活基金,何張淑婉慈善基金,以及香港理工大學護理學院贊助項目。

此系統為長者提供了一種便捷的方式參與音樂律動的互動,為他們帶來了生活品質外,更可有效地評估長者的反應,以提供相對的訓練方案。音樂律動和遊戲,有效幫助認知障礙的長者們減緩情緒、行為和認知的退化。

Smart People (Smart Ageing) Bronze Award 智慧市民(智慧樂龄)銅獎

MF Jebsen Electronics Limited 捷成馬電子有限公司

www.heariaudio.com

Heari Hearing Aid

Aiming at enhancing better living for elderly people who have hearing loss, MF Jebsen Electronics actively seeks breakthroughs on the basis of traditional hearing aid technology, and developed Heari Hearing Aid.

With the wireless in-ear neckband headphones design, Heari is a binaural hearing aid looks nothing like other hearing aids. The distance between microphone and speakers helps eliminating annoying whistling feedback sound, users can wear it for extended periods of time and still be comfortable.

The advanced 8-band-per-ear algorithm is programmed for an individual's unique hearing loss and does not amplify voices at full frequency, and delivers pleasant and natural listening experience to elderly users with mild to severe hearing impairment.

Equipped with Bluetooth, Heari can be connected to smart devices such as smartphones or tablet computers, support making and receiving phone calls, listening to music, and watching videos etc., improves the daily living of hearing impaired elders.

Heari also carries a self-service hearing test application with user-friendly interface which enables users to obtain computerized self-administered hearing test and update hearing profile in around 15 minutes, changing the past practice of visiting hearing center regularly for adjustment.



Heari 助聽器

捷成馬電子有限公司以改善聽障長者生活品質為使命,利用本土科研技術,融合新舊科技,研發出Heari助聽器。

Heari助聽器突破傳統助聽器外觀,採用掛頸式雙耳設計,拉遠咪與喇叭的距離,減少刺耳嘯叫聲,長時間佩戴亦不減舒適。採用八段分頻技術,按個人聽力需要提供聽力補償,不會將環境聲音全頻放大,降低不必要噪音,效果清晰自然,適合輕度至嚴重聽損人士使用。助聽器配備藍牙,能連接智能裝置如手機、平板或電腦等使用,方便用家接聽電話、聽音樂、觀看影片等,改善聽障人士生活質素。

配合界面清晰易用的自助聽力測試應用程式,只需約15分鐘,便可測試出最新聽力程度,方便 Heari助聽器用家隨時更新聽力檔案,改變過去需要定期到聽力中心調校助聽器的做法。

Comments from Judging Panel 評審委員會評語

The product is resolving the noisy issue of hearing aid, and also enriching enjoyment of people with hearing disability. The remote microphone also resolved the receiving issue of external voice source.

此產品解決了助聽器的噪音問題,也豐富了聽障人士的享受。遠程麥克風還解決了外部語音源的接收問題。

Smart People (Smart Ageing) Certificate of Merit 智慧市民(智慧樂龄) 優異證書

Allium Technology Group Limited 大蒜科技集團 (香港)有限公司

www.Allium.hk



Brain Activity Learning (BAL) is the First Intellectual Cognitive Training Platform in Hong Kong, created by Allium Technology Group Limited. It provides an non-pharmacological distance training for people with Alzheimer's disease and other dementias through using the testing kit and tablet.

All interaction on the platform are anchored on specific account, which allows family caregivers as well as medical professionals to access the health information to enhance better healthcare plan and training for patients.

The augmented reality and artificial intelligence technologies of BAL thus provides variety activities for dementia patients to meet their needs. It also enables medical professionals to identify the best interventions for the patient through highly efficient data analysis, thereby it reduces the burden for medical staff.

As a team of highly experienced information technology experts, medical professionals, marketing talents and scholar, Allium Technology Group is committed to promote health information technology to generate different solutions for ageing populations. They engage to contribute an inclusive and prosper society through collaborating with different stakeholders.



腦動學-認知訓練

腦動學為全港首創智能認知訓練平台,由大蒜科技自主研發。透過實物工具和平板電腦的結合,為認知障礙症患者提供遙距訓練。並另設獨立的醫護人員及家屬照顧者平台,以便醫護人員了解患者的情況,調整訓練內容,制定訓練計劃。家屬及照顧者亦可以透過平台,了解患者的日常訓練,安排照顧計劃。

腦動學運用擴增實境和人工智能等技術,為認知 障礙症患者提供多元化活動,並精準分析患者需求。人工智能系統自動調節訓練內容,為患者提 供更適切服務,舒緩醫護人員的沉重工作壓力。

大蒜科技致力推動醫療和科技的發展。集合豐富經驗的科技人才,敏銳觸覺的市場推廣人員,以及不同領域的專業醫護專才,是一群具創新思維,積極解決人口老齡化問題的科研團隊。與不同持份者緊密合作,為廣大市民提供更多更美好的產品,更優質的服務,攜手共創共融社會。

Comments from Judging Panel 評審委員會評語

BAL – Cognitive Training is an interesting intervention and exercise to sustain the memory of the demented elders, also provides customization to individual level. It also enhances the service quality of the Neighbourhood Elderly Centres and District Elderly Community Centres.

腦動學-認知訓練是一項有趣的介入訓練,以維持認知障礙症長者的記憶,還可定制個人平化的訓練。此訓練亦可幫助長者鄰舍中心及長者地區中心的服務質素。

Smart People (Smart Inclusion) Gold Award

智慧市民(智慧共融)金獎

The Hong Kong University of Science and Technology / Jockey Club Centre for Positive Ageing / St. James' Settlement 香港科技大學 / 賽馬會耆智園 / 聖雅各福群會

eek123.ust.hk/DementiaAnti-Wandering/www.jccpa.org.hk/projects/ccd/



The ageing population in Hong Kong is posing challenges to the caring of dementia people in our society. A major challenge is how to search for them when they get lost. Sponsored by The HKJC Charities Trust, The Hong Kong University of Science and Technology (HKUST) is partnering with Jockey Club Centre for Positive Ageing (JCCPA) and St. James' Settlement (SJS) to tackle the problem with mobile technology in a cost-effective manner. They build a caring and friendly community for dementia people so that anyone can be involved in searching for them when they wander. They have innovated a collaborative crowdsourcing social platform to help locate wandering dementia.

They delivered by means of iBeacon tags in the form of coins, walking sticks and cards. When the tag holder is lost, his/her caregiver reports lost in our platform and those who have installed the mobile app ("Angels") can help search by switching Bluetooth and GPS. If the tag is around, the angel can share his/her location and the received Bluetooth signal anonymously. Our system is embedding "privacy by design" , offering the highest level of privacy and security to both the patients and angels. The project has been serving around 3,000 of dementia elderly.

Comments from Judging Panel 評審委員會評語

The project is efficient to monitor and track where about of the wandered elders, and also facilitate the searching team to find the wandered elders. It's a local innovation with good privacy by design.

利用創新移動眾包技術防走失促進腦退化症人士關愛社區

香港人口老化,腦退化症長者走失個案不斷增加,照顧者需要一個有效方法尋找走失腦退化症家人。香港科技大學聯同賽馬會耆智園及聖雅各福群會推出『友里蹤跡』社區計劃,利用流動應用程式「友里蹤跡」及藍牙電子裝置「守護蹤」,以協作眾包及藍牙定位技術,以科技協助尋找走失的腦退化症長者。

他們推出了鎖匙扣、拐杖支 及卡片三款電子裝置,當攜帶「守護蹤」的長者走失時,照顧者在「友里蹤跡」報失。安裝了「友里蹤跡」的「耆跡天使」以藍牙代替眼睛,如走失長者在「耆跡天使」附近,「耆跡天使」會以匿名分享位置線索,協助照顧者掌握走失長者行蹤。有賴於貫徹私隱設計,「耆跡天使」及長者都可以放心使用。項目已經服務超過3,000個腦退化症人士。

此計劃是一項高私隱度的本地創新項目,讓照顧 者可以有效地監控和追蹤長者行蹤,也方便搜索 團隊找到走失長老。

Smart People (Smart Inclusion) Silver Award 智慧市民(智慧共融)銀獎

Big Silver Community Limited 大銀力量有限公司

carersgarden.org/

Carers Chat - Mobile APP

Instant Support for Caregivers

Daughter: What can I do to help bath Dad without getting

embarrassed?

Working carer: My mom is so mad at the maid that she has

gone on hunger strike!

Daughter-in-laws: Taking care of the family with young and old

all alone makes me completely drained!

Distressed carer: It makes my blood boil everyday!

Caregiving is a tough journey, but carers may not be able to talk to friends or relatives. The Carers Chat app connects people with similar life experiences, weaving social fabrics to build an online carer-friendly community.

6 main features to help carers navigate their journey wisely together:

- · Anonymous Membership Feel safe to discuss personal matters
- · Instant Chat, Instant Support You can always find a chat group that suits you
- · Write Post Everyone can share their thoughts
- · Carers Guides Visually-rich lessons with reliable information, roadmaps and practical tips consolidated by Big Silver Team
- · Audio Playlist enjoy the flow of bite-sized contents with music and nature sounds anywhere, anytime
- · Event One stop for event registration, live broadcast and replay

Carers Chat was launched in Aug 2021 on Google Play, and Oct 2021 on App Store. Up to Sept 2022 we have reached:

Active users: 9.6K User Views: 400K User Interactions: 1M

"Carers Chat" is under "With You Anywhere - Family Carer Support Scheme for Cognitive Impairment", which is a collaboration between Pok Oi Hospital and Big Silver, and funded by the Bank of China (Hong Kong).

Comments from Judging Panel 評審委員會評語

Carers Chat is a well-designed and executed application. The materials are good enough to the target audiences. It provides a one-stop information platform for the carers.

傾」是一個精心設計的應用程序,為照顧者一 站式資訊平台,提供足夠且豐富的內容。



傾」手機程式

傾 Carers Chat

照顧者在線等

新手女兒:幫老竇換片沖涼,點樣克服尷尬? 在職照顧者:媽媽同工人姐姐鬧脾氣,絕食中

新抱:外嫁女自己一個,仲要照顧一家,老老嫩

嫩真係冇得 氣呀!

爆煲照顧者:我每日都噴幾盤血!

照顧旅程跌跌碰碰,挑戰一樣接一樣,身邊親友 同事不一定理解——「 傾」手機App讓處境相 近的照顧者相遇,編織線上照顧者友善社區。同路 人傾 呻 , 集思廣益, 路是大家一起走出來。

6大功能 讓照顧者互助的手機程式:

- · 花名會員制 貼身問題安心講
- 梗有一個群組 傾 即時聊天
- 貼文分享 人人都可以發聲
- · 大銀專題課程 實用貼地
- 聲音播單 隨時隨地放鬆
- 活動報名、直播、重溫一站式

傾」於2021年8月推出Android版本,同年10 月推出iOS版本,截至2022年9月,平台有以下 成效:

活躍用戶: 9.6K 觀看人次:400K 互動人次:1M

傾」是博愛醫院與大銀合辦的「照顧.無界 限一認知障礙症照顧者支援計劃」項目,由中國 銀行(香港)捐助。

Smart People (Smart Inclusion) Bronze Award 智慧市民(智慧共融)銅獎

Hong Chi Association 匡智會

hcaac.mhs.edu.hk



Hong Chi Association is a non-governmental organization dedicated to providing quality services in educating, training and empowering people with intellectual disabilities and their families. Amongst its 100 service units, 14 are schools for students with mild, moderate and/or severe grade intellectual disabilities. Throughout the years, school staff strive to develop various communication methods for the students who have limited verbal abilities. Hong Chi Association embarked on the communication journey with paper communication cards back in 1996. With the growing popularity of tablet PCs, the first generation Communication App was developed in 2013 so that the students could use electronic communication cards with voice to express themselves. In 2016, the App was enhanced for students with severe intellectual and/or physical disabilities to communicate with others through scanning function and external switches. As more and more persons with autism and limited verbal ability around the world used typing to express themselves, the Communication App 3.0 developed in 2022 has introduced the "Jyutping Sounding Keyboard" in addition to strengthening the electronic communication cards. Students with low verbal abilities and from non-Chinese speaking families can learn Cantonese phonetic alphabets as inputs and type Chinese words using the keyboard to communicate freely with others.



溝通易3.0

匡智會是一個竭誠為智障人士及其家庭提供優質教育、適切培訓及賦權機會的非政府組織。屬下的100個服務單位中包括14間輕度、中度及/或嚴重智障兒童學校。多年來,匡智會屬校同工致力為低口語的學生開發不同的溝通方法,最早追溯至1996年的紙本溝通咭。隨著平板電腦普及化,2013年推出的第一代

「溝通易」應用程式讓學生以發聲溝通咭表達自己。2016年第二代的「溝通易」加添了掃瞄及外置輸入裝置的功能,促進嚴重智障和/或肢體傷殘的學生與人溝通。近年,世界各地愈來愈多自閉症和低口語的人士透過打字表達自己,因此,2022年開發的「溝通易」3.0不但加強發聲溝通咭的功能,亦加入粵語發聲鍵盤,讓低口語及非華語學生學習和運用粵語拼音輸入中文與別人溝通。

Comments from Judging Panel 評審委員會評語

Communication App 3.0 allows user to use an easy-to-use Chinese input method to communicate with others. It's a good training tool to empower the communication ability of SEN students.

「溝通易」允許用戶使用簡單易用的中文輸入法 與他人進行交流,是培養SEN學生溝通能力的好 工具。

Smart People (Smart Inclusion) Certificate of Merit 智慧市民(智慧共融) 優異證書

Zunosaki Limited (HandyRehab) & Project Dignity Hong Kong Co Ltd 頂尖頭腦有限公司 & 厨尊

handyrehab.com/



By providing homebound people with disabilities (PWDs) with employment possibilities, this project aims to promote social inclusion and enhance PWDs' self-confidence. After considering various factors including the setup of the restaurant and PWDs' homes environment, HandyRehab team designed tailored software and hardware, transforming Temi robot into an "avatar" for PWDs to work from home.

Equipped with high-resolution camera, accurate positioning and adjustable moving speed, the robot helps operators observe the working environment clearly and communicate with guests efficiently. The user interface is tailored for users who are not tech-savvy while the robot has multiple sensors from different angles, which can detect nearby obstacles and passers-by, and respond timely to avoid obstacles. With a few clicks on their computer/mobile devices, PWDs, who are not physically present at the site, are able to work as customer service representatives or brand ambassadors in the working sites such as restaurants, hotel lobbies, corporate receptions and MTR Stations through controlling Temi.

This project provides an opportunity for people with disabilities to demonstrate their working abilities to the society, so as to encourage more enterprises to consider giving them job opportunities and further achieve social equality.

Comments from Judging Panel 評審委員會評語

Dignity AI is a good use of technology to mobilize and provide employment opportunity for PwDs. It's also integrating to the real job market, also helping corporates to save manpower resources.

Dignity AI「傷」贏服務機械人

通過為居家殘疾人士提供就業機會,此項目旨在促進社會共融和增強殘疾人士的自信心。 HandyRehab團隊在綜合考慮餐廳設置、殘障人 士居家環境等多方面因素後,度身定制全新的軟件和硬件,將Temi機器人變成他們在工作場境的「替身」。

配備高清鏡頭、準確定位系統,可調較的移動速度,Temi讓操作人員清晰觀察工作環境和與客人有效率地溝通。團隊亦為對科技不熟悉的人士設計簡單的用戶界面。Temi機器人擁有多個不同角度的傳感器,可以檢測附近的障礙物和路人,並及時做出反應。

他們只需透過電腦/手機,即可控制Temi,在餐廳、酒店大堂、接待處和地鐵站等工作場所擔任服務員或接待員。此項目為殘疾人提供了一個向社會展示其工作能力的機會,從而鼓勵更多的企業考慮給予他們就業機會,進一步實現社會平等。

「傷」贏服務機械人善用了科技術為殘疾人士提供 就業機會。它還融入了真實的就業市場,也幫助 企業節省了人力資源。

Smart People (Smart Education and Learning) Gold Award

智慧市民(智慧教育及學習) 金獎

Trefle & Co. Limited 愛特蕾集團有限公司

www.trefle.net



Smart Industrial Training System

Smart Industrial Training System is a pioneer VR system that can provide immersive and actual feeling for users to study various professional training details and realistic scenarios including harbors, confined space, restricted area, customs zone, high voltage area and working at height. By the proprietary technology of onsite data collection and image processing, the highest accuracy can reach 99.5% compared with the actual measurement.

Since 2017, their system has helped wide range of government offices, NGOs and enterprises for their training purposes. In 2018, the system has been represented to Financial Secretary of Hong Kong during EMSD's 70th Anniversary Ceremony and be participated in HKICT Expo 2019 as Hong Kong Government's Smart Training Representative project.

Relying on the high accuracy of simulation and big data analysis of the environmental statistics, the system can cover many extreme cases, safety measures and maintenance to fit the professional training criteria, estimate the potential issues and reduce the rate of accidents

智能工業培訓系統

智能工業培訓系統是技術領先的VR系統,可以為用戶提供身臨其境的真實感受,讓用戶學習各種專業培訓細節和現實場景,包括港口、密閉空間、禁區、海關區、高壓區和高空作業。通過他們專有的現場數據採集和圖像處理技術,與實際測量相比,最高精度可達99.5%。

自2017年以來,他們的系統已幫助廣泛的政府機構、非政府組織和企業進行培訓。2018年,他們的系統曾代表香港財政司司長出席機電工程署成立70週年慶典,並作為香港政府的智能培訓代表項目參加香港國際資訊科技博覽2019。

憑藉他們對環境統計的高精度模擬和大數據分析,系統可以涵蓋許多極端情況、安全措施和維護,以符合專業培訓標準,評估潛在問題並降低事故率。

Comments from Judging Panel 評審委員會評語

A smart VR training system is a pioneer VR system that can provide immersive and actual feeling for users to study various professional training details. It helps to avoid risk at training and daily operation, also provides good alert on industrial safety.

此為VR系統先鋒,可為用戶提供身臨其境的真實感受,學習各種專業的訓練細節。有助減低避免於培訓和日常操作中的風險,同時提供良好的工業安全警示。

Smart People (Smart Education and Learning) Silver Award

智慧市民(智慧教育及學習) 銀獎

The University of Hong Kong-Sport Al Lab, Department of EEE / Hong Kong Univisual Intelligent Technology Ltd. (HKUIT) 香港大學運動人工智能實驗室/Hong Kong Univisual Intelligent Technology Ltd. (HKUIT)

www.sail.hku.hk/mobile-apps-on-posture-analysis



Robocoach Al Exercise Mobile apps

Robocoach Al exercise App enabled a "sport from home" model during the pandemic. Citizens and students can do exercise in front of their smartphones at home. The system use AI and deep learning technology to analyze the body posture and skeleton of the users in front of the phone camera and analysis their performance. This app demonstrated its power during the pandemic. It created a new page of home exercises. The app is simple to use. Users can select different sports, such as squat, sit up, push up, jumping, leg rising ... etc. Then enter to sport exercise mode and start doing exercise. When the Al algorithm detects the user had completed doing a pose, the result will be counted in the database. The system captures the user's body image and analysis it using the Al model. The position and angle of 30 body positions such as the head, shoulder, hand, legs, arms, wrist ... etc. The human skeleton can be reconstructed and the angles between different body key points can be measured so that the performance can be scored.

RoboCoach應用程式可打造疫情下居家運動的新 模式,市民和學生可以在家中使用智能手機輕鬆 做運動。通過手機鏡頭分析用家的動作,來評估 用家的運動表現。在疫情下此應用程式更在教育 領域上展現了科技的力量,打開了居家運動學習 的新一頁。用家可選擇不同的運動包括深蹲、平 板支撐等多項體能運動,使用APP做運動時,AI 會分析用家的動作是否達標,並累積成績到雲端 數據庫中。系統通過手機的鏡頭收集用家的圖 入機器學習平臺內進行運算,實時計算各 部位上連 所組成的角度來判斷用家的狀態。 Robocoach設有數據分析界面,讓學生查看熱量 消耗和BMI數據,瞭解自己的運動情況,也有排行 榜讓用家與同學較量,帶來更多正能量,提高運 動的趣味。另外亦提供教師平台作配套,老師可 通過平台查看學生近期的運動概數據,了解學生 的運動能力和需求,彈性制定計劃。

Comments from Judging Panel 評審委員會評語

Robocoach Al Sport apps is a user friendly, also can promote the health pattern of living of customers / students. Great market potential to go beyond student groups, to elderly centres and rehab organizations.

此應用程式操作簡易,能促進客戶及學生步向健康 的生活模式。於學生、長者及康復群組有著巨大的 市場潛力。

Smart People (Smart Education and Learning)

Bronze Award

智慧市民(智慧教育及學習) 銅獎

Kazoo Technology (Hong Kong) Limited 實立科技 (香港) 有限公司

turtlelearn.com



Touring Turtle: A Chinese Adventure ("Touring Turtle") is an interactive game powered by Kazoo's patented Electric Field Messaging (EFM) technology and Al learning. The cards created with patented EFM technology embedded allows any objects to interact and be recognized by a capacitive touchscreen. This unique technology allows us to turn any everyday object into a digital avatar, and can be used on any tablet computers readily available in the market.

The product teaches over 300 vocabularies over 6 interactive scenes. In the game, users will be using "radical" and "part" cards to form different Chinese characters, learning both Mandarin and Cantonese pronunciation, and practising writing with Al-empowered stroke order exercises. The game is designed for children who have an elementary level understanding of Chinese characters and are looking to power-build their arsenal of new vocabularies. With engaging scenes, animation, artwork, and an intuitive style of play, the game is particularly fitting for children who are just starting primary school.

Since its launch in late 2020, Touring Turtle has been greeted with much support in Hong Kong and now proudly serves more than 40 primary schools (both SENS and regular schools), kindergartens, and daycare centres.

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旅龜中文冒險

《旅龜中文冒險》為一個在平板電腦上遊玩的遊戲,在以實立科技的專利技術EFM為基礎上加入人工智能元素設計而成。每張中文字卡均內置EFM線路,令平板電腦能感應其存在及互動。

產品使用6個生活場景教授超過300個中文詞語,玩家可以選擇以卡片拼字或以Apple Pencil書寫答案以完成每一條問題,並同時學習普通話及粵語發音。內置人工智能的書寫練習能更有效教授小朋友正確筆順,讓本身已經對中文有基本認識的小朋友迅速學習更多詞彙。生動的場景、動畫、圖案及互動式玩法適合所有剛剛進入小學的小朋友遊玩,有效提高他們的中文能力及學習興趣。

自2020年底推出市面之後,至今已被超過40間幼兒中心、幼稚園及小學(包括常規及特殊學校)所採用。

Comments from Judging Panel 評審委員會評語

Touring Turtle introduces AI-empowered stroke practice, allowing students to get a grasp on proper stroke order at an early stage. It's easy to use and supports happy learning on Chinese for students

《旅龜中文冒險》以人工智能技術,讓學生練習筆劃,在早期階段掌握正確的筆劃順序。簡單易用,支持學生愉快地學習中文。

Smart People (Smart Education and Learning) Certificate of Merit

智慧市民(智慧教育及學習) 優異證書

The Hong Kong University of Science and Technology / The Education University of Hong Kong / Hong Kong Baptist University 香港科技大學 / 香港教育大學 / 香港浸會大學

eek123.ust.hk/dyslexia/



Dyslexia is a learning disability which affects many primary school students in HK. Public awareness of children with dyslexia is increasing in HK. However, the knowledge on dyslexia of the major stakeholders is still very limited. Moreover, traditional pre-screening and diagnosing services in HK is labor intensive, expensive and time-consuming. Users need to wait long for dyslexia assessment services. Early identification of dyslexia and early interventions are critical to mitigate the impact on students. Without early intervention, dyslexic students will be easily suffered from depression and school failure than general students.

The app is the first Al-based technology for dyslexia prescreening in HK, which provides fast, affordable and automatic pre-screening of dyslexic students. This can shorten the student assessment cycle, achieve early intervention of dyslexic students, and to relieve the screening load of education psychologists for them to focus more on treatment.

They've designed a software application which provides an interactive environment for students to write traditional Chinese characters. They collect data from interactive sessions, including the time spent on learning each character and the handwritings of students. By using multi-modal analysis, Their Al engine can analyze the data and predict the likelihood that students are dyslexic.

Comments from Judging Panel 評審委員會評語

The application is innovative to be a first screening tool to have earlier and easier assessment and screening on the students with Dyslexia. Good potential application.

請跟我寫一次左邊的詞語。

基於人工智能的讀寫障礙學生預先篩查技術

讀寫障礙是影響香港許多小學生的學習障礙。縱使香港對讀寫障礙兒童的認識已經不斷提高,主要持份者對讀寫障礙的了解仍然相當有限。對一般家庭而言,傳統的預檢及診斷服務既昂貴又耗時。 此外,香港的讀寫障礙評估服務輪候時間較長,早期識別讀寫障礙及早期介入有其必要性。如沒有早期介入,讀寫障礙學生比一般學生更容易患抑鬱症和遭受學業失敗。

他們的應用程式以人工智能的技術為基礎,可為香港的讀寫障礙學生提供快速且經濟實惠的自動預先篩查,及早介入治療。 他們提供了一個互動環境來引導學生學習中文字。 他們從互動學習中收集數據,包括學習每個中文字所花費的時間和學生書寫的筆跡,然後使用人工智能來分析數據,並預測有閱讀障礙的可能性。

此項目是個具有創新性的篩查工具,可以更早更 輕鬆地對有讀寫障礙的學生進行評估和篩查。

Smart People (Smart Education and Learning)

Certificate of Merit

智慧市民(智慧教育及學習) 優異證書

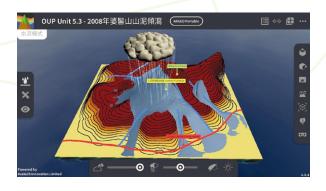
Avatech Innovation Limited

argeoportable.com

ARGEO Portable Application

ARGEO Portable Application is an AR Geography teaching app launched in 2020, which covers the HKDSE Geography curriculum and is applicable in both online and offline teaching. With the help of different functions such as creating 3D terrain in a virtual space and rainfall simulation and measuring tools, users can easily understand sophisticated geography concepts by observing the terrain from different angles compared with a 2D map. There are pre-set terrains for teachers to directly use in the lessons. Furthermore, teaching support is provided, including an online resource center and classroom management, and will be kept up-to-date by collecting user feedback.

ARGEO not only provides schools with the AR Geography learning app, but also creates a community to support teachers. Our system will continue to improve in order to maintain the highest quality of geography learning. Students can undergo AR Geography projects by using the app aimed at developing their self-learning skills.



ARGEO Portable 是一個擴增實境(AR)地理科教學應用程式,於2020年在學界推出,涵蓋中學地理科課程,適用於線上、實體及混合式課堂。相比傳統2D平面地圖,透過在虛擬的空間內塑造3D地形模型,配合模擬降水效果及測量工具等功能,讓學生更容易掌握抽象的地理概念。程式內已有預設地形,方便老師於課堂中使用。另外亦提供全面的教學支援,設有線上教學資源平台,為用戶分享使用手冊、教學指南和工作紙等,程式亦設有班房管理系統,內容將依據用戶反饋持續更新。

ARGEO Portable 不單單為學校提供了AR地理學習應用程式,更建構教學社群支援老師。ARGEO Portable將持續改進,以繼續提供高質素的地理教學。學生可以利用此程式進行AR地理科專題習作,展示學習成果及培養自學能力。

Comments from Judging Panel 評審委員會評語

ARGEO Portable Application provides good transformation from traditional AR sandbox to online sandbox. With classroom management feature and able to include cross border students. It's a good learning tools for learning geography.

此項目將傳統沙箱轉換為擴增實境(AR)應用程式, 有效地管理課堂。這是一個學習地理的好工具。

Introduction of Leading Organiser 籌辦機構簡介



Established in 1947, the Hong Kong Council of Social Service (HKCSS) is a statutory body aimed at driving an impact-oriented, collaborative and innovative social service sector. The Council serves as a collaboration and co-creation platform that brings together stakeholders for advancing the well-being of Hong Kong community. The Council has over 500 Agency Members that provide quality social services for those in need through their service units all over the territory. HKCSS identify critical social issues and recommend appropriate policies to the government for healthy social change. HKCSS also mobilize cross-sector interactions to promote care, social responsibility and philanthropy culture in Hong Kong.

HKCSS are committed to Hong Kong' s sustainable development and building an instrumental social service sector by providing vital capacity and other supports to our fellow members. HKCSS represent the sector in more than 60 committees of governments and statutory bodies dealing with varieties of social issues. The Council has a Special Consultative Status in the Economic and Social Commission of the United Nations.

香港社會服務聯會(社聯)為法定團體,於1947年成立,致力帶動一個具影響力、彼此合作、靈活創新的社會服務界;並且作為跨界別協作平台,以社會福祉為依歸與各持份者同行共創。社聯現時有超過500個機構會員,其服務單位遍極之港,為市民提供優質社會服務。社聯針對重使機構會員的觀察和有關人士的意見,倡議社會政策和服務發展。同時,透過建立實幹的非政府界別,推動國際及地區合作,鼓吹關愛社會,企業社會責任及慈善文化,讓社聯與各會員能有效推動卓越和創新的服務,回應急速轉變的社會需要。

另外,社聯更代表業界出席超過60個政府、法定機構、公民社會的委員會,涉及社會福利、民政、房屋、環境、教育、律政、醫療衛生、保安、禁毒、資訊科技、市區重建等範疇。社聯同時是聯合國經濟及社會委員會特別協商身分。

Enquiry 查詢

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The Hong Kong Council of Social Service

香港社會服務聯會

Wofoo Social Enterprise

和富社區服務網絡

Hong Kong Information Technology Federation

香港資訊科技商會

iPrinciple Ltd.

Acknowledgement 鳴舗



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政府資訊科技總監辦公室

Leading Organiser 籌辦機構



The Hong Kong Council of Social Service 香港社會服務聯會

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Innovation and **Technology Commission** 創新科技署



Hong Kong Cyberport **Management Company** Limited

香港數碼港管理有限公司



Hong Kong Trade Development Council 香港貿易發展局



Invest Hong Kong 投資推廣署

Supporting Organisations 支持機構









































