HONG KONG

Asia Pacific Information & Communication Technology Alliance (APICTA) Awards 2019 -Hong Kong Entries 21/11/2019

Organiser:



Co-organiser:



Asia Pacific Information & Communication Technology Alliance (APICTA) Awards 2019 - Hong Kong Entries 21/11/2019

# **Organiser**



# **About Hong Kong Computer Society**

#### Background

Founded in 1970, the Hong Kong Computer Society (HKCS), with over 9,000 members, is the first and largest well-recognised non-profit organisation focused on developing Hong Kong's Information Technology (IT) profession and industry. Members hail from a broad spectrum of Hong Kong's IT community, from corporations to like-minded individuals, all coming together to raise the profile and standards of our profession and industry.

#### Vision

To serve Hong Kong as the leading ICT professional body.

#### Goals

For nearly five decades, the HKCS has been playing a vital role in molding IT culture in Hong Kong, and its energy, enthusiasm, and momentum are as positive today as when it was first formed. As a well-respected professional body, the Society is committed to professional and industry development as well as community services that ensure the IT sector continues to make a positive impact in peoples' lives with the following three main goals:

- 1. Talent cultivation and professional development
- 2. Industry development and collaboration
- 3. The effective use of IT in our community

#### What We Do

Under the guidance of the HKCS Council, whose 23 members are recognised leaders hailed from the entire spectrum of our IT industry and profession, CIOB Board, Specialist Groups and ad-hoc Project Committees provide specialized knowledge and information in specific areas of interest and organise regular activities to help promote IT in Hong Kong, including conferences, seminars, workshops and visits on various subjects related to IT.

Through its Council and Committee Members, the Society is well represented in Government, professional, and industry advisory bodies to contribute to and advise on policies, standards and applications related to IT in both public and private sectors. Based on Members'

surveys and informed views of our Council and Committees, formal responses are regularly submitted to the Government in relevant consultation exercises.

#### **Talent Cultivation and Professional Development**

With Talent Cultivation and Professional Development being our primary goal, the Society persistently encourages our youths to pursue IT-related studies at our tertiary institutions and to take up IT as a career. As for continuing professional development, our 4 Specialist Groups (Artificial Intelligence, Cyber Security, Enterprise Architecture, and Financial Technology) disseminate technical and application knowledge of topical interests to inservice professionals through forums and networking activities.

IT Leadership Accelerator Platform (iLEAP) was set up and launched in 2017 to equip senior IT practitioners with the crucial skills for navigating challenges in the new technological landscape and prepare themselves for more senior leadership roles, which in turn, nurture more elite leaders to support Hong Kong's economic development through ICT innovation.

With broad support from our professional community, the Society is the pioneer in launching IT professional certification in Hong Kong, with eight certifiable titles, namely three master-level titles (System Architect, Project Director, Quality Assurance Manager), one specialist-level title (IT Project Manager) and four practitioner-level titles (Associate Project Manager, Business Analyst, System Operation Officer, Information Security Officer).

#### **Industry Development and Collaboration**

Over the years, HKCS has established a strong network with local IT professional and organisations, with many co-organised and mutually supported events. Particularly worthy of note is reached an agreement on Reciprocal Recognition on Professional Qualifications RRPQ with the Hong Kong Institution of Engineers. An MOU was signed with the China Computer Federation in January 2018 to lay down the groundwork for deeper exchange and cooperation towards the development of IT profession in the future.

On the international front, an excellent example is its EXCO Membership of the Asia Pacific ICT Alliance (APICTA) which conducts the annual APICTA Awards with HKCS organising an annual delegation from Hong Kong to compete with entries from Asia Pacific economies. Hong Kong results have always been good to excellent over the past years.

# **Co-Organiser**



#### **About HKTDC**

Established in 1966, the Hong Kong Trade Development Council (HKTDC) is a statutory body dedicated to creating opportunities for Hong Kong's businesses. Our mission is to explore potential markets for Hong Kong companies, especially small and medium-sized enterprises (SMEs), and connect them with business partners all around the world. With the help of our global network of more than 40 offices, including 13 on the Chinese mainland, we create opportunities and promote Hong Kong as a platform for doing business with the mainland, Asia and the world.

With 50 years of experience, the HKTDC's work is guided by three main objectives:

- 1. Position Hong Kong as Asia's global business platform and promote Hong Kong services to the world
- 2. Explore new markets and create global business opportunities for Hong Kong SMEs
- 3. Sharpen Hong Kong SMEs' capabilities

#### **Showcasing Hong Kong Services**

To adapt to the new global economic landscape and the mainland's changing development strategy, the HKTDC helps Hong Kong companies capitalise on business opportunities by promoting Hong Kong as Asia's business platform. We strive to showcase the strengths of our services sectors to the world, promoting Hong Kong's advantages in design and marketing, licensing, entertainment, finance, ICT, infrastructure and real estate, IP trade, logistics and professional services. By organising more than 160 promotion activities and another 570 networking and outreach events a year focusing on services promotions, the HKTDC successfully connects Hong Kong services companies to about 150,000 business contacts globally. Overseas companies use Hong Kong's global business platform to access the Asian market, and the mainland in particular. These efforts serve to enhance Hong Kong's reputation as Asia's premier services hub.

#### **Explore & Connect**

To help Hong Kong SMEs explore and expand global trade and business frontiers, the HKTDC organised more than 300 trade fairs and promotion activities in 2018/19. They included conferences and exhibitions in Hong Kong, and promotions around the world. Of these activities, over half were focused on the mainland, ASEAN and emerging markets, which present promising prospects for Hong Kong services providers and exporters. In Hong Kong, the HKTDC organises more than 30 exhibitions a year, forming 11 of the largest marketplaces of their kind in Asia, five of which are the world's largest, including electronics, jewellery, gifts, watches & clocks and lighting. These fairs attracted close to 40,000 exhibitors and over 771,000 buyers last year, enhancing the city's reputation as Asia's trade fair capital.

In addition, the HKTDC organised more than 610 incoming networking and outreach events and received more than 610 missions during the same period to help Hong Kong SMEs explore new markets and connect with overseas and mainland business partners. These activities also helped to expand the HKTDC's global network.

The HKTDC's online sourcing service, including hktdc.com Sourcing, the Exhibition Online service and Marketplace App, features more than 2 million registered international buyers and 130,000 suppliers of products and services, mainly from Hong Kong, the mainland and Asia. Business matching is facilitated by more than 20 print and online product magazines and industry supplements that reach 5 million global buyers in some 200 countries and regions each year.

#### **Enhancing Hong Kong SMEs' Capabilities**

Small and medium-sized enterprises are the backbone of Hong Kong's economy. Enhancing the competitiveness of Hong Kong SMEs and start-ups in the digital era will be a major focus of the HKTDC's work to help sustain Hong Kong's long-term economic growth.

As part of this effort, the HKTDC organises more than 110 targeted events, including the HKTDC SmartBiz Expo, HKTDC Entrepreneur Day, practical workshops and design competitions each year, which are attended by over 36,000 Hong Kong SMEs. More than 150,000 visitors used the HKTDC SME Centre for networking, seeking business information and advisory service and attending business workshops. During the year, about 10,000 start-ups took part in HKTDC events.

In addition to the in-house business intelligence news site, Hong Kong Means Business, the HKTDC Research Department also provides timely market information, sharing more than 2,500 research articles a year across a broad range of topics, including market trends and industry forecasts. Other support services include a China business advisory team located at the HKTDC SME Centre, which serves as a resource hub for up-to-date market intelligence.

Please visit www.hktdc.com/aboutus for more information about the HKTDC.

# **Welcome Message**



The annual Asia Pacific Information and Communication Technology Alliance (APICTA) Awards is a premiere event in the calendar of ICT industry in the Asia Pacific region. It aims to enhance ICT awareness and spur ICT innovation within respective member economies. APICTA provides an excellent idea exchange and networking platform for business and ICT leaders, and creates trade opportunities for the industry.

Every year, the Hong Kong Computer Society (HKCS) has played a vital role in supporting outstanding local ICT talent to compete with other participating economies across the Asia Pacific region through a rigorous process of application, evaluation and nomination. HKCS is dedicated to working hand in hand with ICT professionals and other members of the APICTA Alliance in accelerating ICT development and continuing to serve as an ideal platform for business and ICT leaders to capitalise on business opportunities. Last year, after fierce competition amongst 260 more entries, Hong Kong proudly received 19 awards including 6 Winners and 13 Merits, making it the biggest winner in this international awards competition and also a records breaking success for Hong Kong.

We are very much grateful for the sponsors of this year's Hong Kong delegation, including particularly HKTDC (Hong Kong Trade Development Council) and OGCIO (Office of the Government Chief Information Officer) of the Government of the Hong Kong Special Administrative Region, along with Azeus Convene, Chow Tai Fook Jewellery Co., Ltd., Outblaze and Animoca. Their generous support is the best assurance for the Hong Kong teams to do well.

Taking this opportunity, I sincerely wish APICTA 2019 every success and trust that all participants will gain a most enjoyable and fruitful experience from it.

Mr Ted Suen President Hong Kong Computer Society

# **2019 Award Category and Name of Award Entrants**

Head Category	Organisation / Company	Project Name
Business Services - Finance & Accounting solutions (Fintech)	Bitex Limited	Bitex Intelligent FinTech
Business Services - Finance & Accounting solutions (Fintech)	CoverGo Limited	CoverGo Insurane Platform
Business Services - Finance & Accounting solutions (Fintech)	HKT Payment Limited	HKT Merchant Services Solution Suite
Business Services - Finance & Accounting solutions (Fintech)	FundPark Limited	FundPark
Business Services - ICT Services solutions	Kami Intelligent Limited	Augmented Intelligence Corporate Virtual Assistant
Business Services - Professional Services (legal, HR etc.) solutions	Gekko Artificial Intelligence Ltd.	Gekko Graph
Consumer - Marketplaces	HK Decoman Technology Ltd.	One stop renovation platform
Consumer - Media & Entertainment	Marvel Digital Limited	Smart glasses 3D Display
Consumer - Media & Entertainment	VAR LIVE International Limited	VAR LIVE Shop / VAR BOX

# **2019 Award Category and Name of Award Entrants**

Head Category	Organisation / Company	Project Name
Inclusions & Community Services - Community Services	iCare Edutainment Ltd. / Honor U Ministy Ltd.	iCare Creator
Inclusions & Community Services - Education	Find Solutions AI Limited	4LittleTrees
Inclusions & Community Services - Education	Hong Kong University of Science and Technology	Pulse of HKUST- A Data- Driven Smart Campus
Inclusions & Community Services - Education	MagiCube Limited	Una-Online Collaborative Education Platform
Inclusions & Community Services - Health and Wellbeing	ACE VR Ltd.	Evaluation of Visual Disability in a Virtual Reality Environment
Inclusions & Community Services - Health and Wellbeing	Hong Kong Applied Science and Technology Research Institute Company Ltd. (ASTRI)	Cervical Cancer Screening Management System (CCSMS)
Industrial - Manufacturing	Hung Hing Printing Group Limited	Smart Planning
Junior Students	Cheung Sha Wan Catholic Secondary School	BackUp
Junior Students	Heung To Secondary School (Tseung Kwan O)	Intelligent Minibus and Minibus Station 2.0

Head Category	Organisation / Company	Project Name
Public Sector and Government - Government & Citizen Services	Airport Authority Hong Kong / Creaxon Technologies Inc. Ltd.	Baggage Handling Performance Monitoring System
Public Sector and Government - Government & Citizen Services	Airport Authority/ Center pf Cyber Logistics, AISCL, The Chinese University of Hong Kong/ ubiZense Ltd.	IoT- Augmented Airfield Service System (AS2)
Public Sector and Government - Government & Citizen Services	Hong Kong Observatory (HKO)	From detection of rain to safeguarding of the community against hazardous weather
Senior Students	Christian Alliance SW Chan Memorial College	A.I.CAMe
Senior Students	Christian Alliance SW Chan Memorial College	Augmented Reality Game for Identifying Early-age School Kids with Dyslexia
Tertiary Students	City University of Hong Kong	Talktag
Tertiary Students	City University of Hong Kong	Prosroid: The Wheelchair Training Simulator
Tertiary Students	Hong Kong University of Science and Technology	Finding Mini

# **Business Services - Finance & Accounting solutions (Fintech)**



# **Bitex Limited**

Contact Person : Susan Chen

Title : Vice President

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Hong Kong

Tel : (852) 3905 0075

Email : enquiry@bithkex.com.hk

Website : www.bithkex.com

Product Name : Bitex Intelligent FinTech

# **Company Profile:**

#### BITEX INTELLIGENT FINTECH

Bitex applies the massive multilingual information collection and the systematic selection with query-learning model for innovative knowledge with emerging pattern, aiming to provide monetizable knowledge and data insights for investors and to maximize information gain for users.

- Robot-advisory service (available on APP/ website/ Chatbot/ smart speaker/ TV, etc.)
- User-customized feed flow, online payment research reports and machine-composited data reports
- Exclusive data derived from hyper dimensions (newswire/social media/behavioral financial data, etc.)
- Multilingual engine for emerging knowledge and interpretable-intervenable-customizable Al
- Public Event Situation Awareness and Correlation Analysis System, and other business intelligence solutions, customized for financial/commercial institutions and public authorities

# **Business Services - Finance & Accounting solutions (Fintech)**



# **CoverGo Limited**

Contact Person : Tomas Holub

Title : CEO and Founder

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Admiralty, Hong Kong

Tel : (852) 9062 8972

Email : tomas@covergo.com
Website : www.covergo.com

Product Name : CoverGo Insurance Platform

#### **Company Profile:**

CoverGo is an award-winning insurance technology company providing enterprise software solutions to insurers, brokers and bancassurance companies in Hong Kong and Southeast Asia

CoverGo has already digitized more than 10 insurance product lines across general, life, health and micro-insurance. Overall, it's over 400 insurance plans from more than 40 insurance companies.

CoverGo is an insurance technology market leader recognized by a number of awards in Southeast Asia. We are also part of the Monetary Authority of Singapore Global Fintech Hackcelerator, Accenture Fintech Innovation Lab Asia Pacific, Global Accelerator Programme in Malaysia, Mizuho Crowd Brain Accelerator, AppWorks Accelerator Taiwan and Cyberport Incubation Programme among others.

CoverGo has developed the industry's first no-code insurance platform that enables companies to digitize and distribute insurance products faster than ever before.

CoverGo provides an end-to-end solution including instant pricing, underwriting, policy admin, claims, insurance robo-advisor, analytics and white-label frontend for all lines of business

CoverGo's platform is powered by hundreds of open insurance APIs to increase connectivity and automate all insurance processes. We offer the most comprehensive set of insurance APIs in the region. Insurance companies can integrate with distribution partners, create a robust insurance ecosystem and distribute the right products at the right time.

CoverGo uses cutting-edge technologies and has developed internal tools such as product configurator, microsite builder, comprehensive CMS, library of components, advanced templating, dozens of modules and microservices to provide the best customer experience and enable extreme scalability and speed to market.

Our platform is more flexible and adaptable than any comparable system, allowing for ease of product innovation as well as swift integration into partners' ecosystems. We make it possible for insurance to be 100% digital.



# **HKT Payment Limited**

Contact Person : Nicholas Chan

Title : Manager, Product and Channel Management

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Email : hktmerchantservices@pccw.com

Website : https://www.hktmerchantservices.com/en/home

Product Name : HKT Merchant Service Solution Suite

#### **Company Profile:**

HKT Payment Limited, a wholly-owned HKT Limited subsidiary, provides mobile users in Hong Kong with a stored-value service under the Tap & Go brand. In addition, the company offers local merchants a variety of mobile payment solutions under the HKT Merchant Services brand.

HKT Merchant Services provides merchants with one-stop retail and payment solutions which currently comprise in-app, online and QR code payment options, as well as a Smart POS facility. All these retail and payment solutions from HKT Merchant Services help retailers to improve efficiency while reducing operating expenses.

HKT Merchant Services offers an array of digital payment solutions, including the all-in-one Smart POS and online payment gateway that let merchant offer their customers a choice of traditional and electronic payment methods. Merchants can view real-time payment transaction records anytime, anywhere on a one-stop web portal. By consolidating transaction records and analyses from all payment methods, Smart POS makes it easy for merchants to keep track of their performance and make smarter business decisions. Our solutions also include the POS App, O2O Solution Apps, online and static QR code payments, and instant merchant financing. We aim to provide user-friendly and comprehensive solutions for SMEs, start-ups and entrepreneurs to facilitate digital transformation and improve efficiency.

# **Business Services - Finance & Accounting solutions (Fintech)**



# **FundPark Limited**

Contact Person : Abby Yung

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Website : www.fundpark.com

Product Name : FundPark

## **Company Profile:**

FundPark was founded in 2016, it is an online Trade Finance Platform in Asia providing our unbanked/underbanked corporate clients, invoice financing and purchase order financing solutions.

We help turn corporates' invoices and purchase orders into cash and improve corporate's cashflow sufficiency. The management team is composed of former bankers specialized in trade finance, SME credit risk and corporate investment.

FundPark provides invoice financing and purchase order financing solutions for SMEs. For both institutional and individual Funders, FundPark provides an alternative investment opportunity in trade finance which has the characteristics of incremental yield, low volatility, low duration and diversification.

FundPark has its own proprietary model for due diligence and invoice/purchase order verification, supported by different trade credit insurer to cover the buyer payment risk.

Fundpark.com provides the portal for SMEs to complete their company profile and upload the invoices and purchase orders online for financing request. With own proprietary model for processing and partnering with online accounting systems, third party ERP systems as well as trade credit insurance company, FundPark is able to process on-boarding in a timely, efficient and effective way. Our operation could enable fund dispatch as soon as 1 business day for SMEs.

#### **Business Services - ICT Services solutions**



# **Kami Intelligence Limited**

Contact Person : Alex Cheung
Title : Founder & CEO

Address : 712, Lakeside 1, 8W, HKSTP, Shatin, NT, Hong Kong

Email : cs@kami.ai
Website : https://kami.ai

Product Name : Augmented Intelligent Corporate Virtual Assistant

## **Company Profile:**

Kami, a deep tech company, specialises in natural language processing. Founded in 2016, Kami's innovation has been recognized by governments and industry leaders, such as being selected by the Department for International Trade of UK as their GEP member, the champion company of the BOSCH venture forum, winner of the ARM accelerator in China and many others.

Backed by renowned investors including ex-Apple marketing director and HKX Technology Fund, Kami's NLP platform empowers businesses to automate services with human like conversational dialogue and to provide augmented intelligence so that staff can provide consistent and timely services for best customer experience.

Kami's Corporate Assistant is an Al automation system that helps corporates to alleviate burst demand with virtual assistants; with our latest research and innovation, such as advanced language modelling for mixed languages and dynamic context modeling, it is also capable to handle human-like complex dialogue to provide best customer experience and capture insight from ongoing interaction.

While in Kami it is always our mission to make machines smarter and humans live better, our corporate virtual assistant is more than just automation, it is designed to unleash productivity with augmented intelligence. We know high staff turnover rate and poor service quality are costly, our administrative dashboard provides contextualized recommendations, hints and knowledge for staff to deliver the most relevant and timely services to suit customers' real-time needs. It also analyses interactions and processes for businesses to make better decisions. Overall service quality and work efficiency are improved. Our small data learning technique greatly reduces the data that is needed for machine training, meaning that it lowers the operation cost to make AI for business truly accessible.



# **Gekko Artificial Intelligence Limited**

Contact Person : Janice Spencer

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Website : https://www.gekko.ai

Product Name : Gekko Graph

#### **Company Profile:**

Founded in 2017, Gekko Lab is an award winning start-up from Hong Kong. The company is specialised in providing innovative regtech and fintech artificial intelligence, big data and data analytics software solutions to enterprise grade clients.

Our founding team includes a mix of data scientists, software engineers and financial professionals. Our business operates in over 4 jurisdictions, Hong Kong, China, London and Malaysia.

The company is backed by Cyberport Hong Kong and has won a number of awards, including but not limited to: (1) DIT (UK) –Silver Award 2018; (2) Fintech Bridge Award (UK) - Best Chinese Fintech 2018; and (3) Hong Kong ICT Awards 2019: Smart Business (Big Data and Open Data Applications) Bronze Award. (4) Regulation Asia Awards for Excellence 2019 – Regtech Award in Big Data and Analytics (Co-Winner with HKEX).

Gekko Graph is our proprietary graphical network analytics software product with a built-in proprietary database. It is a visualization software for data analytics, fraud detection, due diligence and investigation. The goal is to find insights hidden in fragments of information (in particular from unstructured format) and boost work productivity.

Our graphical network analytics solution is the only one in the market focusing on Hong Kong / China financial entities that track down ownership data, subsidiary data, transactions data and disciplinary actions data. We focus on providing deep and granular level of data as we believe it is critical for finding unique insights.

Currently, our services and software solutions are utilized by the regulators in the region as well as law firms, investigation firms and financial institutions.

## **Consumer - Marketplaces**



# **HK DECOMAN TECHNOLOGY Limited**

Contact Person : Viann Tang

Title : PR

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Cheung Sha Wan, Kln, HK

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Email : viann\_tang@hkdecoman.com

Website : Hkdecoman.com / deco-man.com

Product Name : One stop renovation platform

## **Company Profile:**

HKDecoman is a HK based startup focused on transforming the traditional home renovation industry by offering homeowners engineer-matching and consultancy services through its website. HKDecoman.com has been backed by large players in the property industry and is currently valued at 50 Million Hong Kong Dollars in 2018. For four consecutive years, the company's revenue has grown exponentially, exceeding 100% per year.

HKDecoman.com 's success has been recognized with the Hong Kong ICT Awards 2019: Smart Business Award GOLD as one of the most promising technology companies in HK. It also received the prominent Stevie Award as one of the foremost international companies in the Internetfield. It is headquartered in Hong Kong and plans to expand its business to other APAC countries including Singapore, Malaysia, Taiwan, etc.

HKDECOMAN is a fast-growing one-stop O2O renovation platform, provides an integrated solution to home owners with different renovation needs. Project Department provides hassle-free A.I. smart-matching and consultancy service to help users find the most suitable contractors and monitor the renovation process; Online Mall delivers an O2O materials purchase experience; Academy departs renovation knowledge to increase the industry's transparency. Through these business solutions, HKDECOMAN creates an ecosystem in which home owners, renovation companies and material suppliers can synergize, in turn bringing huge traction, traffic, and multiple revenue streams that sustain our advantage and solidify our business model.

With HKDECOMAN, home owners no longer need to rely on risky and primitive ways to ascertain a company's credibility and quality of service, nor do they need to worry about mastering a wide range of knowledge for a one-time project. HKDECOMAN does it all.

The holistic solution also yields big data which help our intelligent matching system evolve, assisting users to locate the most suitable company with technology, and adding tremendous value & convenience to the industry.

#### **Consumer - Media & Entertainment**



# **Marvel Digital Limited**

Contact Person : Mr. Patrick Wong

Title : Senior Sales Manager

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Tel : (852) 2839 8100 Fax : (852) 2606 4518

Email : patrick.wong@marveldigital.com

Website : www.marveldigital.com Product Name : Smart glasses 3D Display

#### **Company Profile:**

Marvel Digital Limited (MDL) is a subsidiary of Integrated Media Technology Limited which is a listed company on NASDAQ ("IMTE"). MDL is a technology innovator in the glassesfree 3D visualization who has many years experience in developing and manufacturing innovative products and services with glasses-free 3D visualization. The company devoted to change the world's perspective by making glasses-free 3D visualization more accessible and cost-effective

MDL delivers a comprehensive glasses-free 3D solution, from 3D content creation and conversion, glasses-free 3D video wall and displays for industrial applications, to 4K3D mobile devices and other consumer products. Its propriety content generation system combines both software automation and professional 3D artist's analysis which maximizes the efficiency and effectiveness, and the result is a high precision lifelike visualization.

#### Smart glasses 3D Display

- Sizes from 28" to 85"
- Latest Ultra-High Definition (4K) 3D Panel
- Advanced Lenticular 3D Technology with 140 degree viewing angel
- Built-in 4K3D conversion engine
- Cloud-based CMS Platform, easy for update content
- Suitable for use in shopping mall, hotel, showroom, exhibition center

#### **Consumer - Media & Entertainment**



# VAR LIVE International limited

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Kowloon, Hong Kong

Tel : (852) 3619 0951

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Website : www.var.live

Product Name : VAR LIVE Shop / VAR BOX

## **Company Profile:**

VAR LIVE pioneers in Virtual reality (VR) and (AR) Augmented reality development since 2017. With head quarter in Hong Kong, we are proud to have a seasoned team of hardware and software research and development specialists. VAR LIVE has developed and patented our somatosensory recoil pistols, and vibrating floor sensors and created over 16 VR game titles for all ages. Additionally, VAR LIVE has shops in China, Taiwan, Japan, Philippines, and Malaysia. In April 2019, VAR LIVE has achieve ICT Startup Silver award for Information Communication Technology and Cyberport Incubatee Programme of the Hong Kong government.

From software to hardware development, VAR LIVE produces state of the art Virtual Reality games with in-house creative teams. We have 16 registered IP games, such as VR racing, zombie shooting, adventure puzzle solving, kid's monsters shooting and eSports competition. All of these titles are available online for multiplayer experience. VAR LIVE also develops peripheral hardware to enhance the immersive experience for the players by utilizing our patented vibration and sensory mechanisms. Apart from game development, VAR LIVE also provides business solution. Now it has successfully provided VR training solutions for Taiwan ITRI and government sectors.

In 2019, VAR LIVE has developed and launched the world's first VAR BOX, a standalone VR console targeting the trend of eSports online competition around the world. VAR BOX is a machine that can be deployed virtually anywhere allowing players to train and or compete anytime. Furthermore, to facilitate this experience, VAR LIVE has accompanied VAR BOX with a VAR LIVE mobile application to record players statistics. VAR LIVE has incubated an eco system of network in this complete VAR BOX package solution to provide the world with the top tier VR entertainment solution.

"Dream with your eyes open"

# **Inclusions & Community Services - Community Services**





# Honor U Ministry Ltd. iCare Edutainment Ltd.

Contact Person : Mrs Tiffany Sze

Title : Founder

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Kowloon, Hong Kong

Tel : (852) 3481 1311
Email : info@icare.world
Website : www.icare.world
Product Name : iCare Creator

## **Company Profile:**

iCare Edutainment is an IT social enterprise. We are dedicated to the IT training of young talents with SEN (Special Education Needs) and their parents. We help socially vulnerable groups – students with SEN and their parents or caretakers acquire life skills by offering them IT training.

iCare Creator is a digital inclusion training program that helps socially vulnerable groups involve in the IT industry. By offering training in their long-term career planning, we guide SEN families to create educational moral games and animation, and to promote positive values among the SEN community and the society.

iCare is also the first IT Social Enterprise in the world that focuses on gaming. Our goal is to create educational moral games and apps. The founder couple attained 24 years' experience in IT and game developing. In iCare Creator training program, we have introduced the business model of professional gaming companies. According to each individual's diversified talents, we offer them respective career training in gaming jobs such as Game Project Design, Information Research, Marketing and Promotion, Art Design and Animation. These independent jobs in gaming companies are closely connected with each other as well. Besides, we skillfully instill in them the importance of group task distribution and teamwork. We would like to thank the leaders from over 20 gaming companies in Hong Kong for their participation in our program.

## **Inclusions & Community Services - Education**



# **Find Solutions Ai Limited**

Contact Person : Bridget Au-Yeung

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Website : https://www.findsolutionai.com/

Product Name : 4LittleTrees

## **Company Profile:**

Founded in 2016, Find Solution Ai Limited (FSAI) is an award-winning Ai specialist company. FSAI has a professional technical team with over 10 years' experience in the Ai field, spent more than 6 years dedicated to extensive data collection and analysis. By leveraging the best attributes of new technologies into interactive education, FSAI aimed at promoting an extraordinary self-motivated learning model to augment students' learning experience while providing better support for teachers. Providing a solid foundation for the establishment of the Ai-Driven Motivation Platform – 4LittleTrees (4LTs) with 3 granted and 30 filing patents, which facilitates teachers to identify students' gaps in knowledge with the analysis report and modify teaching materials when appropriate.

4LittleTrees (4LTs) is a unique Ai-Driven Motivation Model with 30 filing patents. By combining Ai with emotional analysis, the platform is capable of facilitating the learning process for students and providing better assistance for teachers. When students learn and interact at the platform installed in a tablet, the front camera will automatically detect the student's facial expression and identify their emotions in 0.1 second while students are doing the exercises. Integrating the data of facial expression with students' eyes movement and learning concentration level by using Big Data, a comprehensive analysis report is then conducted for teachers to understand the learning progress of the students. The ultimate goal is allowing teachers to provide immediate assistance to cater to each student compares to the traditional education system.

# **Inclusions & Community Services - Education**



# Hong Kong University of Science and Technology

Contact Person : Aoyu WU

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Address : Clear Water Bay, New Territories, Hong Kong

Tel : (852) 5520 8275

Email : awuac@connect.ust.hk
Website : https://pulse.ust.hk/

Product Name : Pulse of HKUST – A Data-Driven Smart Campus

## **Company Profile:**

Established in 1991, the Hong Kong University of Science and Technology (HKUST) is a world-class international research university dedicated to cutting-edge education and research. The University was founded with a mission to advance learning and knowledge through teaching and research, particularly in science, technology, engineering, management and business studies complemented by humanities and social sciences, and to assist Hong Kong's socio-economic development. HKUST, being one of the fastest growing universities in the world, has grown rapidly to take its place among other elite universities and was ranked 3rd in Asia and 41th in World by Times Ranking as of 2019.

Pulse of HKUST aims to promote a smart campus through the combined power of IoT devices, big data analytics and visualization. It serves as a data-driven platform to palpate the "pulse" of the campus community such as human crowds, facility availability, and events. The platform automatically senses real-time crowds based on Wi-Fi access logs and CCTV videos, and visualizes crowd distribution and movement appealingly. It further applies big data analytics to derive useful information such as waiting time at bus stops, and utilizes AI techniques to predict crowds with about 91% accuracy. Finally, it communicates those data to the public on various platforms including large-screen displays, Kiosk machines, and mobile websites.

This project allows both the campus community and visitors to share the benefits of a smart campus. By analyzing and communicating campus big data, it provides a data-driven solution for smart decision-making on mobility and facility management, promoting a better campus. The generated data could be valuable resources for further studies on crowd behavior, transportation plan, and facility management, offering references for smart city development.

## **Inclusions & Community Services - Education**



# **MagiCube Limited**

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Product Name : Una - Online Collaborative Learning Platform

## **Company Profile:**

MagiCube Limited is established in 2017, an Incu-Tech member of Hong Kong Science Park. It is an interactive education platform powerhouse, consists of a team of educators and computer engineers to carry out the vision of using technology to create an impact on education. The philosophy of our company is to integrate pedagogy with digital technology and create a new perspective on teaching and learning. Our product is an online collaborative learning platform, called Una, which provides a unique teaching experience, enhance learning quality and efficiency to its users.

Una, which means "together" in Latin, brings practical collaborative learning into every classroom. Not only does it facilitate teaching and learning between teachers and students, but also inspires new ideas among peers through a single multi-functioned platform, including features such as virtual classroom and collaborative coding. Our collaborative learning design caters to underperformed students due to individual learning diversity. Una is an education platform specifically designed to promote Coding, STEM and AI education. It provides teaching materials and supports Microsoft MakeCode to drive common hardware, such as micro:bit and Raspberry Pi. These diversified features will boost students learning motivation in class, training them problem-solving and leadership skills while lessening teachers' workload in lesson preparation and in-class supervision.

#### **Inclusions & Community Services - Health and Wellbeing**



Contact Person : Elaine To

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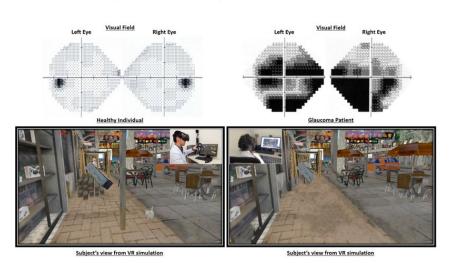
Product Name : Evaluation of visual disability in a virtual reality environment

#### **Company Profile:**

ACE VR Limited is an advanced virtual reality (VR) technology company dedicated to combining VR with eye-tracking knowledge to optimize the clinical monitoring and measuring of visual disability.

We are a team of like-minded and determined individuals, including software engineers, data analysts, and ophthalmologists. We believe that our VR technology has the potential to become an industry sensation for medical evaluation of visual performance and visual disability.

Clinical assessment of vision-related disability experienced by visually impaired patients is obfuscated by the lack of instruments that can inform real-world visual performance. We have constructed virtual reality (VR) environments in a VR headset simulating day-to-day activities to visualize and quantify visual disability. These include (1) supermarket shopping, (2) stair navigation in daytime, (3) stair navigation in nighttime, (4) city navigation in daytime, and (5) city navigation in nighttime. Our data support that VR simulations can empower clinicians to better understand a patient's perspective of what and how daily activities impart disability and connect clinical test results of vision to performance measures that are relevant to patients. The innovation of VR simulations of activities that are relevant to patients' real-world experience provides a new paradigm to measure visual disability for enhancement of clinical care, facilitating clinicians to devise appropriate treatment, support and visual aids to improve patients' quality of vision and quality of life.





# **Hong Kong Applied Science and Technology Research Institute Company Limited**

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Product Name : Cervical Cancer Screening Management System (CCSMS)

#### **Company Profile:**

The Hong Kong Applied Science and Technology Research Institute (ASTRI) was established by the Hong Kong SAR Government in 2000 with a mission to enhance the city's global competitiveness. ASTRI lives up to its mission by pursuing applied Research and Development (R&D) that is delivering technological solutions that strengthen institutions, improve businesses, and benefit communities. Our R&D strategic focus covers five areas of applications: Smart City, Financial Technologies, Intelligent Manufacturing, Health Technologies, and Application Specific Integrated Circuits through our mandate as the Hong Kong branch of the Chinese National Engineering Research Centre (CNERC).

Cervical Cancer is one of the most common types of cancer among women. The Asia-Pacific region accounts for over 50% of cervical cancer cases globally. Cervical cancer screening has proven to be an effective way to reduce the incidence and mortality. However, traditional screening requires the co-presence of the pathologist, the slide and microscope at the same place and time.

ASTRI's Cervical Cancer Screening Management System (CCSMS) provides a vendor-neutral solution to render digitised slides on web browsers. The enablement of remote computer aided diagnosis reduces time and cost for screening, and leads to higher screening coverage in developing countries. Our algorithm has two advantages over conventional methods: 1) it is inherently more sensitive in identifying malignancy (higher true positive rate); 2) it reduces the vulnerability of human fatigue and erroneousness due to long working hours. Thereby, the possibility of missing malignant cells and giving a false negative diagnosis is mitigated.

CCSMS has been deployed in production by our business partner, a tier-1 diagnostic service provider chain in Greater China. It has also won awards from HKICT and International Exhibition of Inventions of Geneva

#### **Industrial - Manufacturing**



# **Hung Hing Printing Group Limited**

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Product Name : Smart Planning

#### **Company Profile:**

Founded in 1950 as a small printing shop in Hong Kong, Hung Hing has developed over the past seven decades into one of the largest and most trusted printers in Asia, with significant operations in book and package printing, consumer product packaging, corrugated box and paper trading. Headquartered in Hong Kong, Hung Hing has printing facilities at five locations across China, including four in the Guangdong province in Shenzhen, Zhongshan, Heshan and Foshan, and one in Wuxi. In addition, a brand new printing facility in Hanoi, Vietnam will begin production later this year. The company has a total workforce of around 8,200.

Smart Planning is an Industry 4.0 solution that optimizes machine utilization, enhances overall productivity and increases transparency by transforming and simplifying the way manufacturers plan, schedule, dispatch, execute and monitor performance.

It is especially well-suited to complex make-to-order manufacturing environment and products that require many manufacturing tasks.

It uses advanced algorithms to automatically compute the most optimal production schedule based on order specifications, delivery date and priority. Work orders are assigned and dispatched the most suitable set of machines and timeframe to produce. IoT devices collect real-time production data directly from machines to monitor progress and performance through mobile applications.

This multi-module solution combines with traditional ERP system to enable digital practices of smart factory and to deliver real business value to manufacturers.

#### **Junior Students**



# **Cheung Sha Wan Catholic Secondary School**

Contact Person : Godwin Wong

Title : Founder of BackUp

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Product Name : BackUp

#### **Company Profile:**

Cheung Sha Wan Catholic Secondary School (CSWCSS) is a leading English boy's school in Hong Kong. With decades of experience in nurturing talents in STEM areas and an emphasis in all-round education, the school was designated by the Hong Kong Government as one of the eight "Enriched IT Program" schools and have achieved success internationally and regionally. Through the school's Innovators' Society, students are provided with technical education, exhibition opportunities, office spaces, professional connections among other resources to embrace student's individuality and to unleash their full potentials in innovation and entrepreneurship.

Founded by 14-year-old Godwin Wong, BackUp allows users to know more about their spinal health condition and to take actions to improve it. Through a smart T-shirt, the user's spinal motion is tracked and data is collected for further analyzation and actions. For instance, a vibration signal is triggered once an unhealthy spinal posture is detected to inform the user that their spine is not in a healthy posture and should be corrected.

BackUp is designed for people who are concerned about their spinal health issues. For instance, students or office workers have to sit for a long time which could lead to spinal health issues such as Kyphosis. Besides, workers in construction and other labour-intensive industries are exposed to a higher risk of spinal health issues. By using BackUp, users and their doctors can monitor their spinal health condition and to take actions to improve it if necessary. Data collected can also be further analysed to advance spinal health research and development.

BackUp was awarded in the Hong Kong ICT Awards 2019 and the WI Cheung Scholarship, and has received media attention.

#### **Junior Students**



# **Heung To Secondary School (Tseung Kwan O)**

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Product Name : Intelligent Minibus and Minibus Station 2.0

#### **Company Profile:**

#### School Mission

We aim to build a value-added school providing high-quality education and austere atmosphere. Students are offered diverse learning environments so that they can attain all-round development in the domains of ethics, intellect, physique, social skills and aesthetics, and become outstanding and responsible youths caring for their community and their country.

In Hong Kong, many passengers find it difficult to get on minibuses at the intermediate stations in the franchised minibus routes. Also, no facilities are available in the stations for blind people to take the minibus.

To solve the problems, we design a product called Intelligent Minibus and Minibus Station. The minibus can sense the number of people waiting for the minibus and the minibus staff can carry out the minibus reallocation work based on this information. The number of remaining seats in the coming minibus can be displayed in the station for reference by passengers. The data (number of passengers taking minibus) will be transmitted to the centralized database for data analysis and minibus reallocation by minibus agents. Devices to assist the blind to get on the minibus are available for blind people.

The merits of the system are as follows:

- The problem that passengers fail to get on the minibus can be solved effectively
- Data analysis function can promote the operational efficiency of minibus
- Blind people will find it convenient to travel by minibus





# Airport Authority Hong Kong / Creaxon Technologies Inc. Ltd.

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Product Name : Baggage Handling Performance Monitoring System

#### **Company Profile:**

Hong Kong International Airport (HKIA) is an international aviation hub with the busiest operation in terms of cargo capacity and passenger. Managed and developed by Airport Authority Hong Kong (AA), a statutory body wholly owned by the Hong Kong SAR Government, HKIA's mission is to provide safe, efficient and comfortable journey to every passenger. Creaxon Technologies Inc. Limited is a technology company who develops AI and computer vision based systems, and provides real time monitoring solutions to customers with specific application needs. Our systems are capable of detecting rare occurring events, analysing complex scenarios, or process high volume of visual objects.

Rapid growth at the Hong Kong International Airport (HKIA) has imposed unprecedented demands on its baggage handling services; the situation calls for world class performance management solutions.

The Baggage Handling Performing Monitoring System (BHPMS) is a video analytics system that analyses the complex interaction among staff baggage handlers, passenger baggage, vehicles, and the conveyor system in the baggage handling facilities at the HKIA. The BHPMS systematically translates each baggage unloading video episode into a set of quantitative and easy-to-understand performance metrics which are immediately useful for process control and safety assurance.

The systems provides a powerful tool for airport operators to monitor work safety performance and understand process bottleneck. More importantly, it creates an automatic and impartial method to define and validate service level agreements in baggage handling, which may help transform the airport operation industries in the long run.







# Airport Authority of Hong Kong / Center of Cyber Logistics, AISCL, The Chinese University of Hong Kong / ubiZense Ltd

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Product Name : IoT-Augmented Airfield Service System (AS2)

#### **Company Profile:**

AS2 is a collaborative effort between the tri-party, Airport Authority Hong Kong, the Center of Cyber Logistics of the Chinese University of Hong Kong, and ubiZense. The synergy in the ensemble offered a unique pioneering solution to help the Airport Authority to continue improve the baggage delivery efficiency and the overall on-time performance. The Center of Cyber Logistics' role is to develop cutting edge research to solve real-life industry problems and whereas ubiZense leverages on IoT, big data, and AI deep technology to realize the conceptual ideas and to solve the Airport Authority's problem.

To strengthen airport management, Airport Authority Hong Kong, The Chinese University of Hong Kong, and ubiZense, jointly developed the Augmented Airfield Service System (AS2), a managed cloud-based service-oriented system, which utilizes and integrates a multitude of existing disparate data sources such as corporate systems and IoT networks. The integrated data is leveraged to bring real-time operations visibility with descriptive and predictive Alenabled analytics to the Hong Kong International Airport (HKIA) community.

AS2 allows the HKIA community to better manage aircraft turnarounds, which includes the processes that need to be performed between an aircraft arrival and departure, such as baggage handling, catering, etc. An aircraft turnaround involves coordination and cooperation of different companies on the apron to ensure the timely arrival and departure of flights (i.e. On-Time-Performance OTP). Descriptive analytics are available to monitor the current operations and predictive analytics are available to detect any anomalies from preparatory stage to completion stage to allow coordination and rapid remedy during normal operation and in times of contingency respectively. AS2 has helped HKIA to improve baggage arrival process to improve from 75% to 90%.



## **Hong Kong Observatory**

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Product Name : From detection of rain to safeguarding of the community against

hazardous weather

#### **Company Profile:**

The Hong Kong Observatory (HKO) is a government department of the Hong Kong Special Administrative Region responsible for monitoring and forecasting weather, as well as issuing warnings on weather-related hazards. HKO also monitors and assesses radiation levels in Hong Kong, and provides other meteorological and geophysical services to meet the needs of the public and the shipping, aviation, industrial and engineering sectors. HKO's vision is to be a model of excellence in protecting lives and building together a better society through science. Service development is based on the core values represented by the seven letters that make up the word "SCIENCE".

HKO has developed a nowcast system since late 90s, namely the "Short-range Warning of Intense Rainstorms in Localized Systems" or "SWIRLS", to safeguard the communities against hazardous weather. Nowcast refers to forecasting of weather in the next few hours, primarily on severe weather such as heavy rain, lightning, hail, and thunderstorm-induced gust, which are localised and highly-changeable, thus demanding a high level of precision and timeliness of forecast. Innovatively using observations from weather radar, lightning detection network, rain gauges and other meteorological data as well as adopting new techniques in artificial intelligence, computer weather model and meteorological knowledge, SWIRLS is capable of detecting rainfall and lightning, and predicting their location and intensity several hours later. The forecast products from SWIRLS support the issuance of severe weather warnings for the general public. Tailored products from SWIRLS also support the operation of the airport, power company and public facilities. These enable the community's timely and effective preparation and responses to potential hazards that the severe weather may bring, thereby protecting people, facilities and properties.

#### **Senior Students**



# **Christian Alliance S W Chan Memorial College**

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Website

Product Name : A.I.CAMe

#### **Company Profile:**

There are three members in this team from Christian Alliance S W Chan Memorial College.

The team leader, Lee Hok Yin, form 6 student. He is responsible for software programming and hardware design. He hopes that this invention allows visually impaired people to travel independently.

Woo Ka Ling, form 5 student. She is responsible for prophase research, product design and promotion. She hopes that more institutions are willing to cooperate with the team.

Chan Wing Yi, form 5 student. She is responsible for prophase research and late-stage promotion. She hopes that the invention can raise attention to vulnerable groups.

A.I.CAMe is a low-cost & portable smart device that is designed for visually impaired people to travel independently, by means of the technology application of artificial intelligence, App on mobile and Bluetooth or mobile data transmission. It is able to analyze the environmental conditions and inform the users, so they could understand about the surrounding situation. Meanwhile, it is equipped with GPS indoor and outdoor navigation, so users can use it in any situation. The cost is about HKD320 (USD 40), it can be installed directly on users' cane without the need of purchasing additional hardware. This invention is believed to be an ideal tool for the visually impaired people, so to solve the traveling problem of them and assist them to explore the city independently.

Python is the language used for micro-processors and Thunkable is used for App development. Also, Microsoft Computer Vision is applied to analyze the environment and Bluetooth bone conduction headphone is used to inform the visually impaired people about the result. Besides, GPS navigation applies the Google Map API and WiFi for positioning and navigation.

#### **Senior Students**



# **Christian Alliance S W Chan Memorial College**

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Website :

Product Name : Augmented Reality Game for Identifying Early-age School Kids with

Dyslexia

#### **Company Profile:**

The project team has three Form 5 pupils who are now studying at Christian Alliance S W Chan Memorial College.

The project leader and researcher is Ifan Cheung. Some of his inventions were rewarded in competitions. Chances were given to knowledge about different cultures in other countries.

The graphic designer is Mario Fong. New ideas, skills and knowledge have been introduced and developed through working with STEM projects.

The App developer is Tommy Wong. This project is one of the inventions of Tommy. He is working hard to learn and practice to be a software engineer.

The project aims to focus on the "Mirror Wording" problem, one of the characteristics in Dyslexia, and provide an evaluation on children studying in the lower grade of primary school, which can be widely adopted in mobile devices, through a gamified and interactive manner.

There are over 20,000 children suffered from Dyslexia in Hong Kong. According to the record, most of the Dyslexia cases are found out while they are studying in grade 3. Moreover, by searching the keyword "Dyslexia Test" in App Store (iOS system) and Google Play(Android System), the majority of Apps are found that are designed for Dyslexic students who are older than 8. Above information mean that the current evaluation approaches cannot always find out those problematic children from the lower grade of primary school.

The early identification of Dyslexia can improve the effectiveness of the treatment. The technologies of 3D printing, Augmented Reality and gamification are applied to prepare our testing materials and digital solution. With the capability of early identification, parents and school can help their children during the golden treatment period.

#### **Tertiary Students**



# **City University of Hong Kong**

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Product Name : TalkTag

#### **Company Profile:**

TEDY (Technologies for the Elderly and Disabled people by Youths) is one of the education and community programmes under the Jockey Club Enhancing Youth Empathy Project through Immersive Visualisation. It aims at cultivating a stronger sense of social responsibility and empathic understanding among students for the elderly and people living with disabilities. The programme incubates students' original ideas and innovative designs for technologies that create social innovations. By bringing students and the target beneficiaries together, custom-designed rehabilitation aids can be made to solve daily problems and improve the quality of life.

Our device is a low-cost NFC reader/writer designed for visually impaired persons (VIPs) to be used for audio reminders/identifying everyday objects. It allows VIPs to associate NFC stickers, which are cheap and can be stuck to many surfaces, with audio reminders set by the VIPs themselves. The remainder set will be played back when the device is simply placed in near proximity of the NFC sticker. This has a wide variety of applications including assisting in the identification of sensitive personal items, especially those with similar shapes, such as cards in a wallet, to everyday items including but not limited to books, CDs, and even medicine. This independent device is developed with feedback from VIPs and thus includes accessibility features designed specifically for VIPs, but it's ease-of-use, low-cost and reliability may make it useful to other groups including the elderly who may be suffering from age-related memory loss.

#### **Tertiary Students**



# **City University of Hong Kong**

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Product Name : Prosroid : The Wheelchair Simulator

#### **Company Profile:**

TEDY (Technologies for the Elderly and Disabled people by Youths) is one of the education and community programmes under the Jockey Club Enhancing Youth Empathy Project through Immersive Visualisation. It aims at cultivating a stronger sense of social responsibility and empathic understanding among students for the elderly and people living with disabilities. The programme incubates students' original ideas and innovative designs for technologies that create social innovations. By bringing students and the target beneficiaries together, custom-designed rehabilitation aids can be made to solve daily problems and improve the quality of life.

Prosroid aims to provide realistic wheelchair training experience and professional driving performance reviews for rehabilitation. In Prosroid, user can experience how driving a wheelchair at outdoor likes in a free open world and scenarios of Hong Kong-like environment, by using a wheelchair joystick. Users can review their driving behavior after they have finished one scenario, therefore it is a great solution to help the user and the medical staffs to discuss together for improving driving technique, and building confidence before users go on a real wheelchair training. Besides, to enhance the immersive feelings in training, Prosroid has implemented two new technologies for users: CAVE and VR, so that the user can be trained inside a virtual reality, in order to reduce the incompatible feelings between virtual training and real training at outdoor.



# The Hong Kong University of Science and Technology

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Product Name : Finding Mini

#### **Company Profile:**

Founded by students of the Hong Kong University of Science and Technology, SOCIF is a technology startup specialized in smart mobility IoT solutions with the aim to redefine transit experience for public and commercial sectors. Our stories are widely covered by Hong Kong media press. Our product solutions are widely adopted by universities, fleet operators and global fashion brands, and even highly referred by the Hong Kong public transport industry to the corresponding government departments. And we are now in the business partnership with Microsoft and under the startup incubation program of the Hong Kong Science and Technology Park.

SOCIF positions itself as an IoT solution provider in the field of smart mobility. Our Products include IoT solutions such as fleet management system, seat reservation system, in-vehicle seat vacancy detection system and smart seatbelt for safety travelling.

For the entry product, "Finding Mini" is an Estimated Time of Arrival (ETA) system for vehicles. Our team was invited by our university to deploy the ETA system for around 50 Public Green Minibus serving the Campus. We developed the mobile app for HKUST community and the residents living nearby, showing the live arrival schedule of the arriving minibus for each minibus station. We also developed a set of fleet management system for the partnered minibus operators to enhance the drivers' performance and operation efficiency.

Launching the app in 2 weeks, it already attracted 6.3k+ users for downloads, which accounted for more than one-third of the university population. The iOS version is rated at 4.8/5 (23 ratings) and the Android version is rated at 4.7/5 (34 ratings). And the system is highly referred by the public minibus industry to the government departments.

# **APICTA Result 2018 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
Consumer – Entertainment and Hospitality	FreeD Group Limited (TravelFlan)	TravelFlan Al Travel Concierge	Winner
Inclusions and Community Services - Wellbeing	Belun Technology Company Limited	Belun® Ring	Winner
Business Services – ICT Solutions	Fano Labs Limited	Multilingual Artificial Intelligence Customer Service System (AICS)	Winner
Tertiary Students Project	The University of Hong Kong and The Hong Kong University of Science and Technology	Tale	Winner
Start Up of the Year – Business and Community	Mini168 Limited	SmarKie	Winner
Technology of the Year - Internet of Things	E-Business Solutions Limited and Airport Authority Hong Kong	Intelligent RFID-embedded Baggage Loading Robotics for Automated Baggage Reconciliation	Winner
Consumer – Entertainment and Hospitality	Pokeguide Limited	Pokeguide App	Merit
Consumer – Entertainment and Hospitality	MotherApp Limited	PowerArena - Smart Operations Management Solution	Merit
Consumer - Digital Marketing	Mini168 Limited	SmarKie	Merit
Public Sector and Government	E-Business Solutions Limited and Airport Authority Hong Kong	Intelligent RFID-embedded Baggage Loading Robotics for Automated Baggage Reconciliation	Merit
Public Sector and Government	Airport Authority Hong Kong	"HKG My Flight" mobile app	Merit
Junior Students Project	Evangel College (Primary)	Find My iStick	Merit

Category	Organisation	Product/Application	Awards
Junior Students Project	Shun Tak Fraternal Association Yung Yau College	Smart Medicine Bag	Merit
Junior Students Project	King's College Old Boys' Association Primary School No.2	Team Travelling Mobile App	Merit
Tertiary Students Project	The Hong Kong University of Science and Technology	UMix Music App	Merit
Tertiary Students Project	The Open University of Hong Kong	Safety Awareness and Firefighting Skills Training through Virtual Reality	Merit
Start Up of the Year – Business and Community	Belun Technology Company Limited	Belun® Ring	Merit
Technology of the Year – Big Data Analytics	Belun Technology Company Limited	Belun® Ring	Merit
Technology of the Year - Artificial Intelligence	Privé Technologies	Privé Managers	Merit

# **APICTA Result 2017 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
Application Tools and Platforms	GoAnimate Hong Kong Limited	GoAnimate	Winner
Communication	Hong Kong Applied Science and Technology Research Institute (ASTRI)	LTE Metro: TD-LTE based Communication-based Train Control (CBTC) for subway	Winner
Government & Public Sector	Electronic Health Record Office of Food and Health Bureau, The Government of the Hong Kong Special Administrative Region / Hospital Authority	Electronic Health Record Sharing System (eHRSS)	Winner
Tertiary Student Project	The University of Hong Kong	HapHand: Sensor Controlled Robotic Hand with Haptic Feedback	Winner
e-Learning	Playnote Limited	Scalebook	Merit
School Project	Pak Kau College	iKidney - A home-health monitoring platform for detection and monitoring of kidney disease	Merit
School Project	Salesian School	Loving You Angel	Merit
Industry Application	Hong Kong Applied Science and Technology Research Institute (ASTRI)	ASTRI's Smart Water IoT System	Merit
Inclusion and Community	The Hong Kong Society for the Aged	Home Help Services Management System	Merit

# **APICTA Result 2016 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
Application Tools and Platforms	Digpro Group Ltd.	Digpro 360° AR Imaging Photography	Winner
Sustainability and Environment Technology	Insight Robotics Limited	FD1 Wildfire Detection Robot & AS-V Medium to Long Duration UAV	Winner
Tertiary Student Project	Department of Computing, The Hong Kong Polytechnic University	KinectGarten: An Interactive Learning and Homework-Competition Application For Children	Winner
Application Tools and Platforms	Holistic Technology Company Limited	SoldEazy - Online Business Management Platform	Merit
Application Tools and Platforms	Viewider Ltd.	Viewider Big Data E-commerce Solution	Merit
Start-Up	Viewider Ltd.		Merit
Retail and Supply Chain Management	Chow Tai Fook Jewellery Group Limited	ICS Logistics Automation	Merit
School Project	Our Lady of China Catholic Primary School	Fairy Eyes	Merit
School Project	Shun Tak Fraternal Association Yung Yau College	Smart Guide Path	Merit
Tertiary Student Project	The University of Hong Kong	BuildApp - Web-based Collaborative Platform for Building Java and Android Application	Merit

# **APICTA Result 2015 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
Media and Entertainment Technology	TFI Digital Media Ltd.	HERMES OTT Video Platform	Grand
Communication	Dragon Creative Enterprise Solution Limited (A subsidiary of Mad Mad Group)	MadGlass	Merit
e-Learning	The Hong Kong University of Science and Technology	VisMOOC: Visual Analysis of Massive Open Online Courses (MOOCs)	Merit
Financial Industry Application	Infocast Ltd.	InvesTrade All-In-One B2B Cloud-Enabled Trading Solution	Merit
Government and Public Sector	Leisure and Cultural Services Department, The Government of the HKSAR	Library at your fingertips	Merit
Inclusion and Community	BTCFS-Yeung Yat Lam Memorial School with collaborating schools (The SAME Network)	Children with special needs: E-enhanced Learning Teaching and Assessment Platform (SELTAS)	Merit
School Project	Shun Tak Fraternal Association Yung Yau College	MindFootPrint	Merit
Start-Up	TeamNote HK Ltd.	TeamNote	Merit
Tertiary Student Project	Department of Information Technology (IT), The Hong Kong Institute of Vocational Education (Lee Wai Lee)	AWS Cloud Lab Environment – Marking Accelerator	Merit
Tertiary Student Project	Hong Kong Institute of Vocational Education, Vocational Training Council	Smart School Bag	Merit

# **APICTA Result 2014 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
Tourism and Hospitality	Cherrypicks and Genki Sushi Hong Kong Limited	Genki Sushi Member Recruitment App	Winner
Inclusion and Community	The Hong Kong Federation of Youth Groups	uTouch Cyber Youth Outreach Project	Winner
Retail and Supply Chain Management	Chow Tai Fook Jewellery Group Ltd.	ICS RFID-technology Deployment	Winner
Communication	Advanced Card Systems Limited	Contactless Smart Card Reader Module Technology	Merit
Government and Public Sector	MTR Corporation Ltd.	An Integrated System for Engineering Works Management	Merit
Inclusion and Community	Office of Service Learning, The Hong Kong Polytechnic University	A Mobile Computing Center: A Lab in a Suitcase on a Tuktuk	Merit
School Project	The Chinese Foundation Secondary School	ValueHunt	Merit
Sustainability & Environmental Technology	CLP Power Hong Kong Ltd.	Towards Smart and Green City- Realization of IoT Technology in Energy Conservation and Sustainability	Merit
Tertiary Student Project	The Hong Kong University of Science and Technology	Wearable Gesture Input Device	Merit
Tertiary Student Project	The Hong Kong Polytechnic University	Umbrella Here	Merit

# **APICTA Result 2013 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
Government and Public Sector	Efficiency Unit, The Government of the Hong Kong Special Administrative Region  Office of the Government Chief Information Officer, The Government of the Hong Kong Special Administrative Region	Tell me@1823	Winner
Inclusion & Community	Logital Co. Limited	EasyHear	Winner
Research & Development	Mobile Technologies Centre (MobiTeC), The Chinese University of Hong Kong	Authenticated Papers: Protecting Documents/Credentials Offline using Authenticated 2D Barcodes	Winner
Retail & Supply Chain Management	Hong Kong Air Cargo Terminals Limited	COSAC-Plus - Community System for Air Cargo	Winner
Application Tools & Platforms	Sengital Limited	Digitouch System	Merit
Financial Industry Application	Cherrypicks Ltd. Ageas Insurance Co. (Asia) Ltd.	Ageas Financial Needs Analysis iPad app	Merit
Government and Public Sector	MTR Corporation	MTR Mobile Apps	Merit
Health & Wellbeing	CKICOM Technology Limited	CAREASE Integrated Wetness Care System	Merit
Inclusion & Community	The Hong Kong Society for the Aged	Smart Use of ICT for Frail Elderly	Merit
Industry Application	Fong's National Engineering Company Limited	Integrated Intelligent Rinsing	Merit
Media & Entertainment Technology	Cherrypicks Ltd. Starberry Ltd.	Smart:D Kiosk Experience	Merit
School Project	Shun Tak Fraternal Association Yung Yau College	Intelligent Smoke-killing Rubbish Bin & Distributed Air-quality Monitoring System	Merit
School Project	Shun Tak Fraternal Association Yung Yau College	HeartBook & SmartHelper	Merit
School Project	Tung Wah Group of Hospitals Chang Ming Thien College	@lert	Merit
Start-Up	Viss Me Co & Limited		Merit
Tertiary Student Project	The University of Hong Kong	KINECT in Physiotherapy	Merit

# **APICTA Result 2012 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
e-Government	Planning Department, HKSAR Government	The GIS-based Site Search Tool	Winner
e-Health	The Hong Kong Polytechnic University	KineLabs for Elderly and Stroke Rehabilitation	Winner
e-Logistics and Supply Chain Management	International Transport Information Systems Ltd.	INLOG: Air/Ocean Freight Operation & Management System, Cargo Truck System and Financial Accounting Operation & Management System	Winner
New Media and Entertainment	Cherrypicks Ltd. Media Palette Hong Kong	iButterfly	Winner
Start-Up	Playnote Limited	AURALBOOK	Winner
e-Learning	Playnote Limited	AURALBOOK	Merit
Financial Industrial Application	Cherrypicks Ltd. Media Palette Hong Kong	Hang Seng Fourth Generation Convergent Online & Mobile Banking Service	Merit
Research and Development	The Hong Kong University of Science and Technology	Lavinet: An innovative multi-hop wireless network for pervasive Wi-Fi access	Merit
Secondary Student Project	Shun Tak Fraternal Association Yung Yau College	Intelligent Child Care System	Merit
	Shun Tak Fraternal Association Yung Yau College	Smart Gardener	Merit
Sustainability and Green IT	FlexSystem Ltd.	FlexWorkflow	Merit
Tertiary Student Project	City University of Hong Kong	Mobile Live Broadcasting Application	Merit

# **APICTA Result 2011 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
Communications	TalkBox Limited	TalkBox Voice Messenger	Winner
New Media and Entertainment	Pulse MediaTech Limited	JM Digital Publishing Platform	Winner
Security Application	Network Box Corporation Ltd.	Z-Scan: Network Box's award winning Zero Day Anti-Virus System, based on In-The-Cloud technology	Winner
Start-up Company	Pulse MediaTech Limited	JM Digital Publishing Platform	Winner
Tertiary Student Project	Hong Kong Baptist University	Ulcer Detection in Gastrointestinal Videos	Winner
e-Health	Union Hospital	Mobile Clinical Solution	Merit
e-Learning	Hong Kong Education City Limited	Online Question Bank (OQB)	Merit
e-Learning	Starwish Little Prince Studio Ltd.	Starwish Little Prince e-Learning Series	Merit
e-Logistics and Supply Chain Management	Center of Cyber Logistics, Li & Fung Institute of Supply Chain Management & Logistics, CUHK	RFID-enabled On-Target Supply Chain Visibility Platform	Merit
New Media and Entertainment	Cherrypicks Limited	Hennessy Mix – World's First Location-based Mobile Augmented Reality Vision Experience	Merit
Research and Development	Insight Robotics Limited	The Insight Dispersed Assets Management Platform (IDAMP)	Merit
Secondary Student Project	NLSI Lui Kwok Pat Fong College	Schoolbag helper	Merit
Tertiary Student Project	The Hong Kong University of Science and Technology	Modular-based Underwater Robotics System	Merit
Tourism and Hospitality	MTR Corporation Limited Cherrypicks Limited	MTR Mobile iPhone and iPad Applications	Merit

# **APICTA Result 2010 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
e-Inclusions and e-Community	HKSAGE	Brain Fitness Gymnasium for the Elderly - www.loveyourbrain. org.hk	Winner
Tertiary Student Project	City University of Hong Kong	Stereoscopic Video Generation from Monoscopic Video	Winner
Financial Industry Application	AsiaPay (HK) Ltd.	PayGate	Merit
Tertiary Student Project	The Hong Kong Polytechnic University	i-Chameleon	Merit
Tertiary Student Project	The Hong Kong University of Science and Technology	The Braille Embosser	Merit
New Media and Entertainment	Hotmob Limited	Mobile AD Marketplace	Merit
Tools and Infrastructure	The Chinese University of Hong Kong	The Open Source RFID Middleware	Merit

### **APICTA Result 2009 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
e-Health	Joint Research Centre for Biomedical Engineering, The Chinese University of Hong Kong	A Novel Health-Shirt and Sleeping Cushion for e-Health	Winner
e-Inclusions and e-Community	Senior Citizen Home Safety Association	Mobile Link Service	Winner
e-Government	The Efficiency Unit, the Government of the HKSAR	Community Intelligence System	Merit
e-Health	Princess Margaret Hospital	Injury Surveillance System	Merit
e-Learning	Active and Independent Education Limited	Web based English Learning System	Merit
Research and Development	Pamela Youde Nethersole Eastern Hospital	3D Vision for Surgical Robot	Merit
Start Up Company	Music Powerhouse Limited	Music Powerhouse - MPh Technology / MPh Production / HifiTrack	Merit
Tools & Infrastructure	Flex-Logic Limited	FlexWorkflow	Merit

# **APICTA Result 2008 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
e-Governmnet	Airport Authority Hong Kong	Integrated RFID Baggage Reconciliation Management System	Winner
e-Inclusions and e-Community	The Hong Kong Society for the Blind	Tele-digital Library for the Visually Impaired	Merit
Secondary Student Project	Tung Wah Group of Hospitals Chang Ming College	Intelligent Bus Stop	Merit
Tertiary Student Project	The Chinese University of Hong Kong	Innovative Multi-touch Surface	Merit

# **APICTA Result 2007 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
e-Governmnet & e-Community	Immigration Department, The Government of the HKSAR	Electronic Passport System (e-Pass)	Winner
Media and Entertainment	PCCW-HKT Telephone Ltd.	PCCW"eye"	Winner
Tools and Infrastructure Applications	Outablaze	Outablaze Video	Winner
General Applications	Mobigator (H.K.) Ltd.	Cardisys, Cardiology Management System	Merit
Tools and Infrastructure Applications	Team and Concepts Limited	EditGrid	Merit

# **APICTA Result 2006 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
Industrial Application	Hongkong International Terminals	nGen (Next Generation Terminal Management System)	Winner
Education & Training	Gowell Software Limited	GoChinese Online Language Learning Platform	Winner
General Application	Myclick Media Limited	Myclick	Winner
E-Government & Public Services	Immigration Department, The Government of the HKSAR	Automated Passenger Clearance and Automated Vehicle Clearance Systems (e-Channel)	Winner
Communications Applications	Altai Technologies Limited	ALTAI A8 WiFi Cellular Smart Base Station	Winner
Start-up Company	PlayMotion o/b Parklloyd Media Limited	PlayMotion – "SeaJelly Spectacular"	Winner
Communications Applications	Golden Dynamic Enterprise Limited	3G Mobile TV Platform	Merit
Healthcare	Caritas Information Technology Advancement Centre	e-Care Elderly Hone Management System	Merit
Research & Development	AdvantWave Limited	Bluetron™ BTR300S	Merit
Tertiary Student Project	City University of Hong Kong	A Flash-based Web Builder (FLABER)	Merit

# **APICTA Result 2005 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
e-Government & Services	Immigration Department, The Government of the HKSAR	Face Recognition System (FACES)	Winner
Financial Applications	eBroker Systems Ltd.	Intelligent Global Trading System "C eBrokerSys	Winner
Healthcare	The Hospital Authority	Electronic Patient Record with Radiological Image Distribution	Winner
Industrial Applications	MTR Coporation & City University of HK	ETMS - Engineering Wokrs and Informaion Management System HK	Winner
Research & Development	Virtual Reality, Visualization and Imaging Research Centre, Department of Computer Science & Engineering, The Chinese University of Hong Kong	Virtual Acupuncture V HK	Winner
Start-up Company	Green Tomato Limited	Green Tomato Limited	Winner
Healthcare	iTechnology Ltd.	Hua Tuo Chinese Medical Clinical Management System	Merit

# **APICTA Result 2004 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
Applications and Infrastructure Tools	Visual Paradigm International Ltd.	Visual Paradigm for UML	Winner
E-Government and Services	HKSAR Immigration Department	Smart Identity Card System (SMARTICS)	Winner
Secondary Student Project	Y.W.C.A Hioe Tjo Yoeng College	Easy-buy Chicken (ECChicken)	Winner
Security	Network Box Corporation Ltd.	Network Box	Winner
Communications Applications	KanHan Technologies Ltd.	HanVoice and HanPhone Server	Merit
Financial Applications	Hong Kong Exchanges & Clearing Ltd.	AMS/3	Merit
Industrial Applications	MTR Corporation Ltd.	LYNX Concrete Cube Test System	Merit
Research & Development	Center for E-Commerce Infrastructure Development, The University of Hong Kong	Hermes Business-to-Business Messaging Server	Merit
Security	Titanium Technology Ltd.	ProAccess FaceOK	Merit
Tertiary Student Project	The University of Hong Kong	Web Services Reliability Messaging Server	Merit
Healthcare	KBQuest Hong Kong Ltd.	Cancer Genetic Network Pedigree Viewer	Special Mention

# **APICTA Result 2003 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
Health	SoftEnable Technology Limited	CASSOS: Computer - Assisted Simulation System for Orthognathic Surgery	Winner
Business Applications - Finance	2GoTrade Limited	Go.ExchangeVS – Real Time Brokerage Application Platform/ ASP	Winner
Communications Applications	Outblaze Limited	Outblaze Messaging System	Winner
Research and Development	ShaoLin Microsystems Limited	ShaoLin Aptus 2.0	Winner
E-Government and Services	Hong Kong Observatory, HKSARG	World Weather Information Service (WWIS) and Severe Weather Information Centre (SWIC)	Merit
Industrial Applications	e-commerce Logistics Limited	The Warehouse Management System for the Logistics Industry (WMS)	Merit
E-Commerce	Global e-Business Services Limited	Tendering Application Service (e-TAS)	Merit

# **APICTA Result 2002 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
Commerce Interactive Marketing Innovations	CASH Financial Services Group Limited	Electronic Trading Platform	Winner
Business Applications	INFRASYS (HK) Ltd.	Infrasys' Gourmate® Restaurant Management System	Winner
E-Government Applications and Services	Hong Kong Public Libraries, Leisure and Cultural Services Department, The Government of the HKSAR	Multimedia Information System (MMIS)	Winner
Telehealth Solutions	Department of Nursing, The Hong Kong Polytechnic University	Telehealth System	Winner

# **APICTA Result 2001 Hong Kong Winner List**

Category	Organisation	Product/Application	Awards
Business Applications & E-Commerce	Hong Kong Computer Company	SmartCaller	Winner

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