

第五屆 社創·社區 4.0 比賽  
15 隊決賽入圍名單 Final 15 teams

排名不分先後 (in no particular order)

| 學校名稱<br>School Name                                | 解難方案<br>Prototype Name  | 比賽主題<br>Topics                       |
|--|---|--------------------------------------|
| 中華基督教會協和書院<br>C.C.C. Heep Woh College              | 樂遊·「旺」店<br>Le Tour · Prosperous Shop  | 多元文化共融<br>Multicultural Inclusion    |
| 中華基督教會協和書院<br>C.C.C. Heep Woh College              | 噴嚏精<br>HWCneezer  | 改善公共衛生<br>Public Hygiene Improvement |
| 明愛胡振中中學<br>Caritas Wu Cheng-Chung Secondary School | 提升油尖旺區劏房戶的生活質素<br>Improve the quality of life of subdivided flat households in Yau Tsim Mong District | 提升居住質素<br>Living Quality Improvement |
| 九龍真光中學<br>Kowloon True Light School                | 睇啲唔睇啲玻璃膜<br>Block it out  | 提升居住質素<br>Living Quality Improvement |
| 荔景天主教中學<br>Lai King Catholic Secondary School      | 一「廁」難求  | 改善公共衛生<br>Public Hygiene Improvement |
| 五旬節中學<br>Pentecostal School                        | AI 野鴿全方位追蹤驅趕儀<br>AI wild pigeon fending system  | 改善公共衛生<br>Public Hygiene Improvement |
| 高主教書院<br>Raimondi College                          | 族印<br>We · Connect  | 多元文化共融<br>Multicultural Inclusion    |
| 高主教書院<br>Raimondi College                          | 食·連融<br>Utopia  | 多元文化共融<br>Multicultural Inclusion    |
| 聖嘉勒女書院<br>St. Clare's Girls' School                | 老鼠殺手<br>RodentBuster  | 提升居住質素<br>Living Quality Improvement |
| 聖芳濟各書院<br>St. Francis of Assisi's College          | 幫你關電器   | 提升居住質素<br>Living Quality Improvement |
| 荃灣聖芳濟中學<br>St. Francis Xavier's School, Tsuen Wan  | 以「秤」共融<br>'Precious Traditional Wisdom' Project   | 多元文化共融<br>Multicultural Inclusion    |
| 聖保祿中學<br>St. Paul's Secondary School               | 「油」心分享<br>We Share We Spare   | 提升居住質素<br>Living Quality Improvement |
| 香港真光中學<br>True Light Middle School of Hong Kong    | 水立方體<br>Water Cube  | 提升居住質素<br>Living Quality Improvement |
| 香港真光中學<br>True Light Middle School of Hong Kong    | 亞洲之謎 360°<br>Enigma of Asia 360°  | 多元文化共融<br>Multicultural Inclusion    |
| 英華書院<br>Ying Wa College                            | 燈「油」伙蠟<br>Lumix   | 提升居住質素<br>Living Quality Improvement |

**多元文化共融 Multicultural Inclusion**

| 學校名稱 School Name                      | 隊伍名稱 Team Name                 | 解難方案 Prototype Name                    | 方案簡介 Prototype Introduction   |
|---------------------------------------|--------------------------------|--|---|
| 中華基督教會協和書院<br>C.C.C. Heep Woh College | 天恩小隊                           | 樂遊 · 「旺」店<br>Le Tour · Prosperous Shop | <p>我們透過手機應用程式內的導賞路線、小店地圖、模擬遊戲及優惠做到寓推廣於娛樂，令更多人關注小店文化和獨有的師徒配對系統，尋找本地傳統手工藝術小店的繼承人。</p> <p>We have designed a mobile app to promote those small-scale traditional craft shops. There are games simulating the production processes, videos showing the working environment and processes, history and addresses of the shops, maps, and mentor-mentee pairing functions that help teenagers find their masters. We hope to promote and preserve the traditional craft-making cultures</p> |
| 高主教書院<br>Raimondi College             | 荳芽<br>Beans                    | 族印<br>We · Connect                     | <p>族印將讓不同文化背景的人發揮所長，合作舉辦和參與各項文化交流活動，連結油尖旺社區，達致文化共融。</p> <p>We-Connect will allow people from different cultural backgrounds to showcase their talents and participate in various cultural exchange activities, linking the Yau Tsim Mong community and achieving cultural inclusivity.</p>  |
| 高主教書院<br>Raimondi College             | 小食部<br>Intercultural tuck shop | 食·連融<br>Utopia                         | <p>食·連融是模擬經營遊戲，玩家作為餐廳老闆，經營自己的夢想餐廳，旨在吸引大眾認識不同的文化，連結社區。</p> <p>To break the cultural barrier which prevents locals from understanding and appreciating ethnic minorities, it is proposed that a restaurant manager simulation online game can be made, which aims to attract and lead the public to understand the culture of ethnic minorities. Also, it helps to increase social</p>  |

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|  |                         |  | interaction and establish a closer link to the community.  |
| 荃灣聖芳濟中學<br>St. Francis Xavier's School,<br>Tsuen Wan | 荃濟隊<br>Xavier           | 以「秤」共融<br>'Precious Traditional Wisdom'<br>Project | <p>探索油麻地及旺角兩個舊區的過程中，發現有不少「傳統老店」仍在堅守他們的「工藝文化」，我們希望能把這些被現代人看為「將會息微」的工藝文化，透過區內教育活動和社區中心發現活動，把當區不同背景的社群共融起來。</p> <p>In the process of exploring the two old districts of Yau Ma Tei and Mong Kok, we found that many "traditional old shops" are still sticking to their "craft culture", to integrate communities with different backgrounds in the district through educational activities and community center discovery activities in the district.</p>  |
| 香港真光中學<br>True Light Middle School of<br>Hong Kong   | 環太平洋火山帶<br>Ring of Fire | 亞洲之謎 360°<br>Enigma of Asia 360°                   | <p>為減少油尖旺區因文化差異和誤解而引起的衝突，我們想推出一款使用 CoSpaces 的 VR 密室逃脫遊戲，然後連接到 VR headset 以獲得更身臨其境的體驗。玩家可以在虛擬世界中「旅行」，更深入地了解香港少數族裔的文化。相信透過這個遊戲，社區可以減少文化隔閡，能成功融入社區。</p> <p>In order to reduce conflicts caused by the cultural differences and misunderstandings in Yau Tsim Mong district, we would like to introduce a VR escape room game by using CoSpaces, which can then be connected to a VR headset for a more immersive experience. By enjoying themselves in the virtual view, players can gain a deeper knowledge of the cultures of ethnic minorities in Hong Kong while having their cultures promoted to the public. It is believed that by this game, despite the cultural differences in the community, integration in the community can still be achieved.</p> |

**提升居住質素 Living Quality Improvement**

| 學校名稱 School Name                                      | 隊伍名稱 Team Name                | 解難方案 Prototype Name   | 方案簡介 Prototype Introduction  |
|---|-------------------------------|---|--|
| 明愛胡振中中學<br>Caritas Wu Cheng-Chung<br>Secondary School | 振中小隊<br>CWCC                  | 提升油尖旺區劏房戶的<br>生活質素<br>Improve the quality of life of<br>subdivided flat households in<br>Yau Tsim Mong District | 我們使用了 Arduino 的電腦版作控制主體在加入程式編寫數據到系統可以完善操作。我們設計了一套自動家居系統，希望可以改善劏房戶的遇見的困難。當中使用了感光儀器，和空氣檢測儀器，並控制自動關閉的窗簾，從而減少劏房戶被光污染的影響。另外我們亦使用了空氣檢測儀器，使用空氣檢測儀器可以在適當的時候疏通空氣。<br>The Arduino served as the control device and after programming the data, the system was optimized. Our team created an automatic home system to address the challenges faced by subdivided households. We incorporated photosensitive and air detection instruments, as well as automatically controlled curtains to mitigate the effects of light pollution. The air detection equipment was also utilized, providing regularly scheduled air purification. |
| 九龍真光中學<br>Kowloon True Light School                   | 緊急<br>Urgent                  | 睇啲唔睇啲玻璃膜<br>Block it out  | 我們的設計就是透過光的偏振現象，於大型燈箱外貼上偏振片，另於受影響單位的窗戶貼上方向垂直的偏振片，從而有效阻隔光害進入室內。<br>We employed the concept of polarization to effectively obstruct light bream go indoor with huge light box sticked with polarizers and the windows of the affected flats sticked vertical polarizers as well.   |
| 聖嘉勒女書院<br>St. Clare's Girls' School                   | 朱古力牛奶組<br>Team Chocolate Milk | 老鼠殺手<br>RodentBuster  | 我們的設計是通過紅外線感應老鼠，再噴出味道和播放聲音來驅逐或 殺死老鼠。因此提升生活水平，也不用擔心鼠患。<br>Small rodents such as rats and mice can slip through cracks and holes in the walls  |

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|  |                           |                             | in search of food and shelter, causing problems in the flat, such as hygiene issues and danger to residents. Our product – “RodentBuster” aims to solve this issue by using AI technology to repel or kill any rodents which pass by. After killing it, the system will send a message to the owner(s) to alert them. Another choice for the residents to choose from is to use sound and natural smells to repel the rats instead of killing them |
| 聖芳濟各書院<br>St. Francis of Assisi's College          | 聖芳濟各書院 37                 | 幫你關電器                       | 我們的設計目的是減少因忘了關電器/電器故障而發生火警，令劏房的火災率下降。<br>功能 1: 當使用者外出時，可以監測家居用電情況，用電異常時後自動斷電。<br>功能 2: 發送電郵通知使用者用電異常。<br>功能 3: 功能可以由使用者自行取消。   |
| 聖保祿中學<br>St. Paul's Secondary School               | 社生為人<br>Sacrifice         | 「油」心分享<br>We Share We Spare | 劏房最大的問題就是空間不足，我們希望提出這個共享概念，讓大廈住戶透過我們的系統一起共用常用家品節省空間。<br>With our concept of sharing through our newly suggested system “We Share We Spare”, we hope to relieve the difficulty of living and storing space for the subdivided flat resident by allowing them to share housewares through QR code and app for easy checking of availability by the RFID system   |
| 香港真光中學<br>True Light Middle School of<br>Hong Kong | 水·三次方隊<br>Water Cube Team | 水立方體<br>Water Cube          | 使用一個可以用手機應用程式遠程操作的裝置，定時檢測「三無大廈」的水缸裡的水質數據。An automatic water quality sensor which can be remotely operated with a mobile phone application is used to regularly detect whether the drinking water of residents living in the building, in which the machine is placed, is being polluted or not.  |

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| 英華書院<br>Ying Wa College | 咀嚼英華<br>Quintessence | 燈「油」伙蠟<br>Lumix | 燈油伙蠟用於舊樓，兼容照明，除臭殺菌的三合一裝置。通過這，希望能改善衛生，減少因環境幽暗導致的意外。<br>Used in corridors and stairways of older buildings ("tong lau"), Lumix aims to improve public conditions by functioning as a 3-in-1 product: an LED light bulb with water-coating to illuminate the dark surroundings, perfume or dried flowers to alleviate the nauseous smell, and a sanitizer auto-sprayer to prevent contamination and disease from spreading. Through our device, a more hygienic and attractive environment is furnished. |
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### 改善公共衛生 Public Hygiene Improvement

| 學校名稱 School Name                              | 隊伍名稱 Team Name   | 解難方案 Prototype Name | 方案簡介 Prototype Introduction  |
|---|--|---------------------|--|
| 中華基督教會協和書院<br>C.C.C. Heep Woh College         | 白雪公主與協和的七個小矮人<br>Snow White and Heep Woh of Seven Dwarfs | 噴嚏精<br>HWCneezer    | 「噴嚏精」會定時按照所設路線走到有食肆的後巷。店員就能利用它兩側的清潔工具清理兩邊的後巷和店舖。<br>'Sneezer' would go to the back alley of the restaurant referring to the specific route regularly. The waitstaff can use the cleaning supplies put beside the car to clean the back alley and restaurant.                                   |
| 荔景天主教中學<br>Lai King Catholic Secondary School | Winner   | 一「廁」難求              | 油尖旺區的公共廁所很骯髒，為此，我們使用紫外光燈殺死廁所板上的細菌和氣泵快速地抽走臭氣，提升市民生活質素。<br>Public toilets in Yau Tsim Mong District are very dirty. For this reason, we use ultraviolet light to reduce bacteria on toilet boards and use air pumps to quickly remove odors, so that citizens can improve their quality of life. |

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| <p>五旬節中學<br/>                 Pentecostal School</p> | <p>PS STEM 參賽小組<br/>                 PS STEM competition<br/>                 team</p> | <p>AI 野鴿全方位追蹤驅趕儀<br/>                 AI wild pigeon fending system</p> | <p>使用 AI 科技及自動化機械，收集野鴿數據及減少野鴿聚集。<br/>                 Using AI technology and automatic mechanics to collect wild pigeon data and control wild pigeon aggregation.</p> |
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