

# Braving the Epidemic

## 敢創抗疫



Distance Learning & Work From Home

## Teaching aid keeps close eye on students' learning progress without ever blinking

Classes had been suspended due to the outbreak, but this didn't stop Mr Mok, a teacher for the Secondary 6 pupils of his school, from hosting additional classes through the internet to prepare his students for the year's imminent HKDSE examination.

One day, Mr Mok had his iPad on for another online session, but a notification on the screen was prompting him to take a look at his student Matthew. Mok noticed an unusual level of silence and uneasiness from his normally talkative pupil, Matthew. After the session, the concerned teacher sent a private message to Matthew to check if everything was alright with him. The young boy nervously told Mok he felt inadequately prepared for the HKDSE exam because of a lack of a mock examination. As a responsible teacher, Mr Mok wondered if he could do anything more to help his students better prepare themselves for the exam during this difficult year?

The next day, Mr Mok immediately approached Cyberport Community Member Find Solution Ai (FSAI). He was not new to the Cyberport start-up, as he had been deploying the company's AI-powered learning software 4LittleTrees as a teaching assistance tool. The software utilises the front-facing cameras of the student's electronic devices to collect behavioural data from the student, helping Mr Mok better understand the students' progress and make required adjustments. In fact, it was thanks to the learning software's AI technology and facial expression-analysing tools that Mok became aware of Matthew's unusual behaviour.

It didn't take long for Mr Mok to offer a proposal to the FSAI team, that the start-up could perhaps arrange a mock exam for HKDSE students. Incidentally, Mok learnt that he was not the first teacher to propose this same idea. FSAI then kickstarted the process of preparing a mock examination. In collaboration with 34 secondary schools, FSAI would host the exam via its proprietary software to great success.

the pandemic is the faster development of online education, and in particular AI-empowered technology. It is our belief that the education sector will speed up its digital transformation, raising the effectiveness of both teaching and learning."

4LittleTrees was a math- and ICT-focused smart teaching tool, originally developed to be a teacher's reliable aid, playing a supportive role in traditional classrooms. However, as the coronavirus pandemic disrupted the teaching process of individual schools, many teachers who had occasionally used the tool in their classrooms soon found themselves spending ever more time with the technology. By so doing, they were able to maintain and even raise their own teaching skills and enhance their students' learning experiences.



The digital mock examination did more to help teachers and students. The software employed features with the added advantage of data analysis. As such, not only did it allow students to know their learning progress, it also provided teachers a way to understand various students' learning differences, allowing them to deal with each individual student's academic weaknesses more effectively.

The coronavirus pandemic represents an opportune time for schools to pick up their pace in their digital journey. Viola Lam, Founder and Chief Executive Officer of FSAI said, "What we see directly resulting from

### Quick facts



- The software usage registered a 70 percent and 150 percent year-on-year increase in the number of online students and time usage, respectively, in the Q2 of the year.
- 4LittleTrees has been adopted by about 20 local secondary schools, in addition to making planned inroads into the international school systems in Mainland China and Japan.

### Company Profile

By employing the core big data and AI technology, Find Solution Ai limited brings about high-level automation and behavioural prediction capability that can be widely applied in education, advertising and medical diagnosis. The math- and ICT-focused learning application 4LittleTrees offers teachers a range of analyses concerning students' learning differences, so that any change in teaching mode can be based on hard evidence. In addition to its use in education, 4LittleTrees can also be applied in corporate training, e-commerce and the healthcare sector.



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Learn more about  
Find Solution Ai Limited

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## 懂「讀心」的教學軟件 停課期間助考生備戰

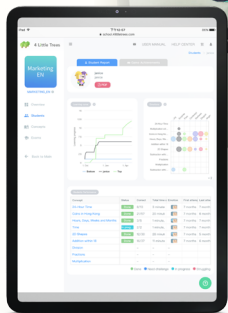
遙距學習及  
在家工作



**學** 校因為疫情停課，但任教中六的莫Sir眼見文憑試開考在即，因此莫Sir仍不斷地透過互聯網為學生補課，期望能為學生作最好準備。這天莫Sir如常打開iPad進行網上授課，卻透過螢幕提示，察覺學生Matthew全程默不作聲、表情崩緊。課堂結束後莫Sir私訊Matthew查詢近況，他向莫Sir表示非常擔心疫情下取消了模擬試會影響其文憑試表現。莫Sir聽罷思索了一整晚，究竟他還可以怎樣幫助Matthew和同學們？

翌日他便立即聯絡數碼港初創Find Solution Ai。原來莫Sir一直有使用Find Solution Ai開發的智能教學軟件4 Little Trees輔助授課，讓他能透過電子儀器的前置鏡頭收集學生情緒表現，有助了解學生進度並重點加強輔導。那天全靠軟件的人工智能和表情分析，他才留意到Matthew講不出聲的憂慮。

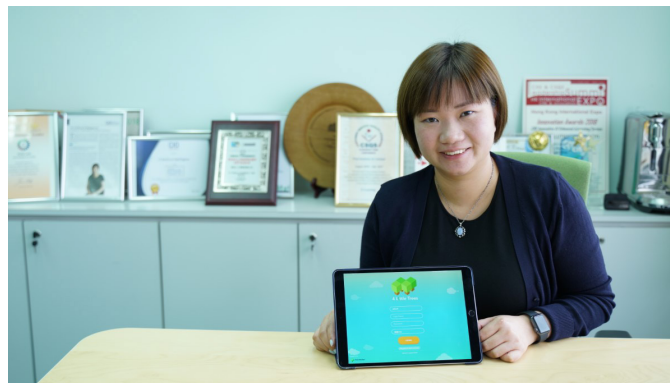
### AI 情緒偵測



莫Sir向Find Solution Ai建議為中六學生舉辦模擬文憑試，公司表示原來不少老師都向他們提出相同建議，故此他們著手籌備，結果聯同34間中學為當屆文憑試考生透過軟件舉行了ICT科目的模擬考試。

模擬考試進行得非常成功，Find Solution Ai的成績分析，讓學生了解自己的水平，從而及早備戰，老師亦能透過數據知悉學生常犯錯誤題目，更有效率地針對學生弱點加強輔導。

Find Solution Ai行政總裁林苑莉Viola表示：「網上教育因疫情迅速發展，對於人工智能教育平台的需求有增無減，我相信經歷今次疫情能有助教育界進行資訊轉型，幫助提高學與教成效。」



4 Little Trees是一個針對數學和資訊及通訊科技科目的智能教學輔助軟件，新冠病毒疫情令學校教學進度受阻，不少原本利用系統在課室輔助授課的學校都轉為每日使用，及時幫助教師及學生在停課下維持教學及自學。

### 速覽



- 軟件今年第二季的在線學生人數比去年同期上升70%，使用時數亦比去年同期激增150%。
- 4 little Trees軟件已獲約二十家中學採用，並計劃打入國內及日本的國際學校。

### 公司簡介

Find Solution Ai Limited利用大數據發展人工智能，為教育、廣告及診斷認知性疾病帶來自動化及行為預測。公司開發數學學習應用程式4 Little Trees提供分析報告讓老師知道學生所面對的知識差距，從而調整教學模式及材料。4 Little Trees除適用於教學，亦適用於其他行業例如企業培訓、電子商務及健康保健。



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