



THE Awards Asia 2020 - Technological Innovation of the Year

Institution Name	Singapore Institute of Technology
Submission title or project name	Math Quest - An Adaptive Pre-Freshman Online Math Course
Nominee/key personnel	Assoc. Prof. Foo Yong Lim Asst. Prof. Victor Wang Peng Cheng Assoc. Prof. Karin Avnit Mr. Prasad Iyer
URL	https://aelp.smartsparrow.com/c/ls/tnlkw55e (access can be provided on request)
Submission	<p>Math Quest is an adaptive online course, bridging the knowledge gap between school-level and university freshman mathematics, as incoming students' often demonstrate a vast variance in their knowledge of the subject.</p> <p>The Math Quest online course was developed to be adaptive, where students with lower mathematics competency can undergo a more vigorous course, preparing matriculated students for mathematic-related modules in their first year at university.</p> <p>A study illustrated a positive correlation between students who completed at least 60% of Math Quest (n=412) and their FMT scores.</p> <p>Math Quest now offers more advanced, video-based solutions, such as face-to-face remedial sessions with tutors for those who scored below 60%.</p>