

**Winning Projects for Minister's Innovation Award for Year 2022**

S/N	Project	Division/School/Statutory Board
1	<p><b>Enabling Quality Learning through the Singapore Student Learning Space</b></p> <p>As a one-stop online learning hub that provides teachers and students with quality, curriculum-aligned learning resources, the Student Learning Space (SLS) is one of MOE's key initiatives to transform the learning experiences of students through the purposeful use of technology. The extensive resources in the SLS have contributed significantly to enhancing students' learning experiences by engendering higher levels of cognitive engagement and student-directed learning, leading to stronger learning outcomes. Used by most students across all levels on a regular basis, the SLS proved to be a critical enabler for the continuation of teaching and learning especially during the COVID-19 pandemic.</p>	Curriculum Planning & Development Division 1 & 2, Educational Technology Division, Information Technology Division, and Student Development Curriculum Division 1 & 2
2	<p><b>Parents Gateway</b></p> <p>The Parents Gateway (PG) provides a one-stop, secure portal for seamless school-home communication and is widely used by 338 mainstream schools, 50 MOE Kindergartens, MOE-HQ, and 450,000 parents. During the COVID-19 pandemic, PG enabled the timely dissemination of information to parents, and allowed parents to take care of administrative matters without having to visit the school.</p>	Information Technology Division
3	<p><b>Building the Yusof Ishak Secondary School Campus in Punggol – A Pilot Project for Future Schools</b></p> <p>Yusof Ishak Secondary School's campus in Punggol, which was completed in 2021, showcases how innovative school design can support learning beyond the traditional classroom, and illustrates how schools and learning spaces will be designed in the future.</p>	Yusof Ishak Secondary School, Curriculum Planning & Development Division 1 & 2, Infrastructure and Facility Services Division, and Schools Division
4	<p><b>Onscreen Marking of National Examination Scripts</b></p>	Singapore Examinations and Assessment Board

	<p>The Singapore Examinations and Assessment Board (SEAB) implemented onscreen marking (OSM) in national examinations to enhance marking quality and efficiency. Unlike traditional pen-based marking, the OSM process digitises candidates' hardcopy answer scripts for marking, removing the need for physical transfer and counting of scripts during marking.</p>	
5	<p><b>Efficient and Green Chemicals for Recovery of Precious Metals from Electronic Waste</b></p> <p>The team at Singapore Polytechnic has developed new chemical solutions capable of extracting palladium, gold, and silver from electronic waste. Besides its high efficiency in extracting more than 90% of the precious metals, the chemical solutions used are environmentally friendly, with a 400-fold reduction of cyanide and no traces of strong acid, as compared to current industrial chemicals used.</p>	Singapore Polytechnic
6	<p><b>Workforce Transformation in SkillsFuture Singapore</b></p> <p>The Skills Development Group (SDG) is a team in SkillsFuture Singapore (SSG) which repurposed itself from developing the Singapore Skills Framework to generating Jobs-Skills Insights to support Singapore's strategy in economic transformation through skills development and lifelong learning.</p>	SkillsFuture Singapore