

Timeline for national AI projects

The national AI strategy will kick-start with five national AI projects across various sectors.

BORDER SECURITY



2025

- All travellers to Singapore – both Singaporeans and foreign visitors – will be able to access a fully automated immigration clearance system involving facial and iris scans.
- This makes the immigration procedure faster and more seamless for travellers, and also frees up time for the immigration officers to focus on other more high-value tasks.



ESTATE MANAGEMENT



2022

AI-powered chatbots will be launched for residents to report issues with municipal services.

2025

AI algorithms will be used across the neighbourhood, such as for lift cycles, to pre-empt the next breakdown. This can help the authorities to address problems earlier to minimise inconvenience to residents.

2030

Data-driven insights will be used to improve the planning of estates, so that facilities can be better built and better located to serve the needs of residents.



LOGISTICS

2022

Data such as unloading schedules and trucking jobs from various stakeholders involved – including truckers, container depots and port operators – will be shared to optimise freight movement within Singapore.

2025

Such intelligent freight planning will be used for port operations.

2030

Intelligent freight planning will be used for air and other land cargo operations.



EDUCATION

2022

Automated marking systems will be launched to mark primary and secondary English-language assignments, including essays, to free up time for teachers to focus on other tasks.

2025

• Students will be able to access AI-enabled adaptive learning systems for mathematics, which are designed to cater to individual students based on their own learning abilities.

- An exploratory study held in May at four secondary schools using such a system showed that students improved in their mastery of assigned topics, as they felt they had more control over their own pace of learning.

2030

Automated marking systems and adaptive learning systems will be expanded to cover other subjects.



HEALTHCARE

2022

- AI software system Selena+ will be used to scan and analyse retinal photographs for signs of eye conditions, such as diabetic eye disease and glaucoma.
- The system is said to raise the productivity of healthcare staff by up to 70 per cent so that they can be freed up to focus on patients with more complex cases.

2025

Data will be analysed to help predict risks of cardiovascular diseases related to high glucose, high blood pressure and high cholesterol.