

Key Focus Areas of the National AI Research and Development (NAIRD) Plan

a) Fundamental AI Research	<p>Singapore will establish AI Research Centres of Excellence (RCEs) that will house teams of local and international researchers, to advance R&D efforts in areas such as:</p> <ul style="list-style-type: none"> • Responsible AI – Safeguarding against AI risks and protecting AI systems from being exploited by bad actors • Resource-Efficient AI – Reduce AI's growing reliance on data and compute • Emerging AI Methodologies – Support interdisciplinary research that have potential to create breakthroughs • General Purpose AI – Develop AI that can perform multiple tasks across different domains
b) Applied AI Research	<p>The Plan will build capabilities to support the adoption and application of AI in industry and initiatives driven by RIE domains. This will be done through:</p> <ul style="list-style-type: none"> • Building core AI engineering capabilities to translate and deploy AI solutions at speed and scale. • Nurturing talent proficient in AI and has domain expertise ("bilinguals") • Identifying effective use-cases and accelerate the testing, deployment, and scaling of AI products and services
c) Talent	<p>Singapore will continue to grow and develop our talent at every level, from pre-university students to faculty.</p> <ul style="list-style-type: none"> • Pre-university: The Plan will support initiatives that seed early interest in AI research among youths. For example, the National Olympiad in AI (NOAI) prepares students to represent Singapore at the International Olympiad in Artificial Intelligence (IOAI). • Tertiary: The Plan will support initiatives for young researchers to build competitive AI research careers by providing exposure to top AI research institutions both locally and abroad. Our universities have ongoing efforts at the institutional level, and Singapore will continue to build on these by scaling up national programmes such as the AI



	<p>Singapore PhD Fellowship and Accelerated Masters Programme.</p> <ul style="list-style-type: none">• Faculty: Beyond the RCEs, Singapore has established schemes to support and develop faculty, including the AI Visiting Professorship (AIVP), which facilitates collaboration between local and international researchers on key AI research challenges. The scheme has supported 8 awardees to date.
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