



GLOBAL HR FORUM 2024

Singapore's SkillsFuture Movement towards Workforce Upskilling & Reskilling in AI

October 2024





Agenda

- Singapore's SkillsFuture Movement
- The AI Community in Singapore
- AI@Temasek Polytechnic



**Meet two of my
Singapore
Friends,
Dylan & Karen!**



Dylan, mid-20s, a logistician, a graduate from Singapore's Institute of Technical Education (=Korea's Vocational High Schools).

Enrolled and Completed a Diploma
(= Korea's Associate Degree).

For his enrolment, he is given some \$5000 credits to pay for his school fees.

Once completed, he is given another \$10,000 as 'saving'.



Karen, mid-40s, a degree graduate, working mother in IT for a manufacturing MNC.

Enrolled in a part-time Specialist Diploma.

For her enrolment, she is given some \$4,000 credits to pay for her school fees.

If she studies on a full-time basis, she can get an allowance of up to \$3,000.



DYLAN LAW

CET Graduate 2024

"I think the ITE Progression Award (IPA) is a commendable effort by the government as it motivates and encourages ITE graduates to pursue further studies while helping cover Diploma costs and boost long-term savings."



KAREN LIAUW

Associate Manager, Global Web Services,
Vishay Intertechnology Asia Pte Ltd



Initiating a journey of self-renewal, I revamped my image and pursued a Specialist Diploma in Data Science for Business at Temasek Polytechnic, bringing newfound fulfillment. I aim to empower hesitant women to embrace change. If I can do it, so can you!

SKILLS *future*

SKILLS*future*

National movement to provide Singaporeans with the opportunities to develop their fullest potential throughout life

1

Help individuals make well-informed choices in education, training and careers

2

Develop an integrated high-quality system of education and training that responds to constantly evolving needs

3

Promote employer recognition and career development based on skills and mastery

4

Foster a culture that supports and celebrates lifelong learning



ITE PROGRESSION AWARD

Supports ITE graduates to upskill to a diploma earlier in their careers, to secure more progression prospects in their chosen professions.

Institutions		On enrolment in diploma	On completion of diploma
ITE	Work-Study Diploma	Course fees borne by employers Sign-on bonus: \$5,000 cash	Eligible for S\$10,000 CPF Ordinary Account top-up to boost savings for longer-term goals
	Technical Diploma Technical Engineer Diploma	Eligible for S\$5,000 Post-Secondary Education Account (PSEA) top-up* to help with diploma fees	
Polytechnic	Full-time Diploma Part-time Diploma		
NAFA / LASALLE	Full-time Diploma		

*Provided ITE graduate enrolls in the course by age 30



Provide Greater Structural Support for Mid-career Singaporean aged 40 years and above to Upskill and Reskill

SUPPORT FOR COURSE FEES

NEW From 1 May 2024, a **SkillsFuture Credit (Mid-Career)** top-up of \$4,000, which does not expire, to further offset out-of-pocket course fees for selected courses that have better employability outcomes.

ENHANCED From Academic Year 2025, Singaporeans can receive subsidies for another publicly-funded full-time diploma, and qualify for the MCES.

FINANCIAL SUPPORT FOR FULL-TIME, LONG-FORM TRAINING

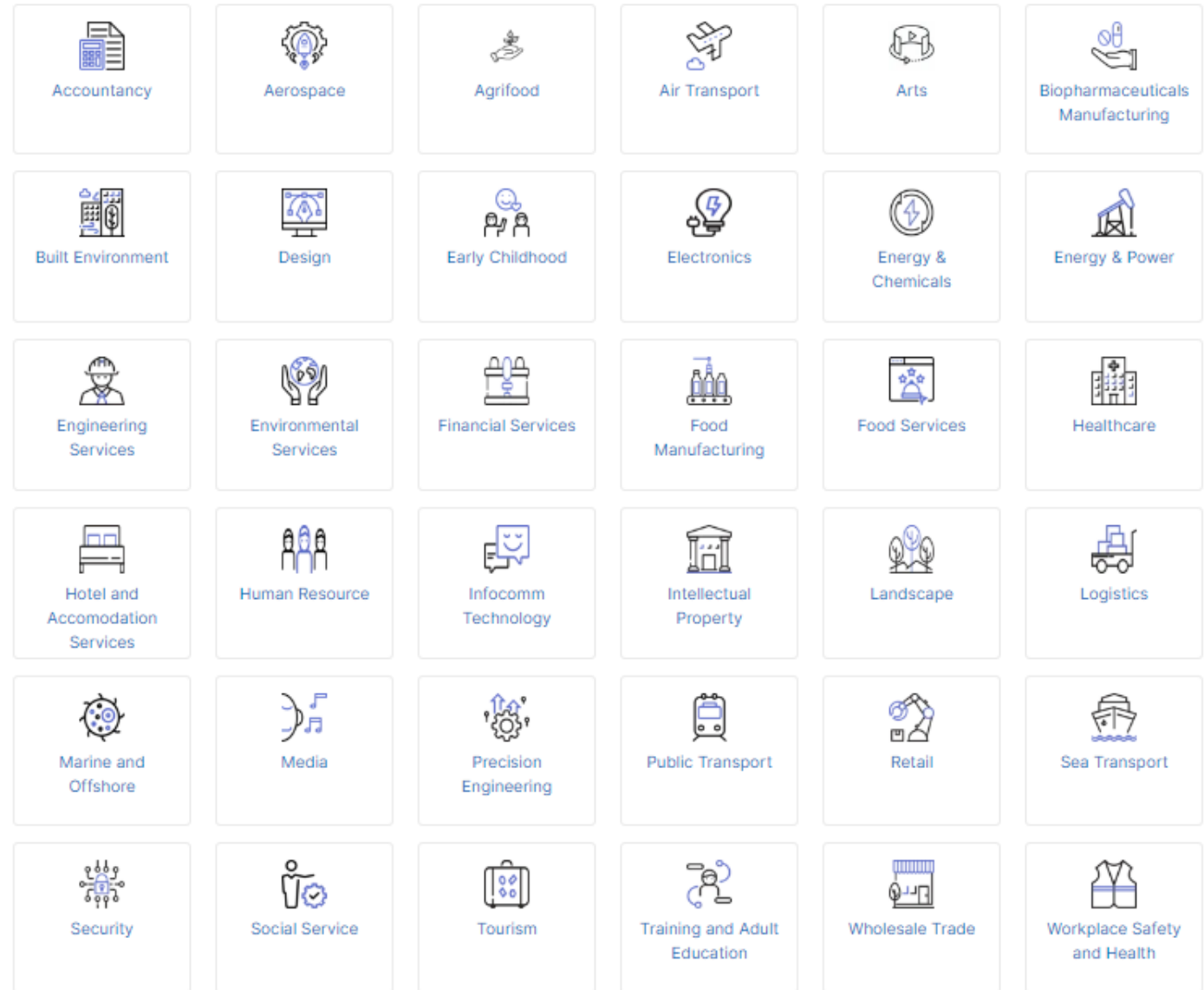
NEW From early 2025, Singaporeans can apply for a new **SkillsFuture Mid-Career Training Allowance** when they take up selected full-time, long-form programmes. The allowance will be based on 50% of one's average income over the latest available 12-month period, capped at \$3,000 a month, for up to 24 months over an individual's lifetime.
More details will be released later.

SKILLSfuture FORWARD SG

SKILLS*future* SG

Skills Framework

Key sectoral information,
career pathways, job
roles and skills in line
with Singapore's
Industry Transformation
Maps



Artificial Intelligence & the Future of the Workplace



- AI will help us overcome diversity challenges in the workplace
- AI will accelerate our creativity
- AI will become a necessity, not an option, in future business strategies

National Artificial Intelligence Strategy 2 to uplift Singapore's social and economic potential

04 DEC 2023

Guided by the vision “**AI for the Public Good, for Singapore and the World**”, NAIS 2.0 focuses on two key goals:

- **Excellence** - To develop peaks of excellence in AI, esp. population health and climate change
- **Empowerment – To empower** individuals, businesses, and communities to use AI with confidence, discernment, and trust



AI SINGAPORE®

Launched in May 2017 to bring together all Singapore-based research institutions and the vibrant ecosystem of AI start-ups and companies developing AI products to perform use-inspired research, grow knowledge, create tools, and develop the talent to power Singapore's AI efforts.



AI Governance



AI Technology



AI Innovation



AI Products



LearnAI

A Marketplace Connecting SMEs To AI Solution Providers

Accelerating vision to value.

[I AM AN SME](#)[I AM A SOLUTION PROVIDER](#)

1

Take Our Free AI For Everyone(AI4E) Course

Begin with our free AI For Everyone 90-mins course to grasp AI fundamentals and applications. Click [here](#) to view AI4E course.

2

Assess Your Organisation's AI Maturity

Evaluate your organization's AI readiness with our AIRI assessment. Take our AIRI Assessment [here](#).

3

Identify Useful AI Use Cases

Identify AI applications aligned with your business needs and objectives. View use cases [here](#).

4

Contact Solution Provider

Collaborate with a trusted AI partner to implement tailored solutions. View instructions [here](#).

Source: AI Singapore

Established in 1990, Temasek Polytechnic, a leading institution of higher learning in Singapore, takes pride in equipping our students with lifelong skills and digital knowledge for a future of dynamic change.

01 Mission

To prepare school-leavers and working adults for a future of dynamic change, with relevant knowledge, life-long skills, character, and a thirst for continuous improvement.

02 Vision

To be a world-class institution in the global education network, reputed for our programmes, applied research, managerial excellence and innovative corporate culture.

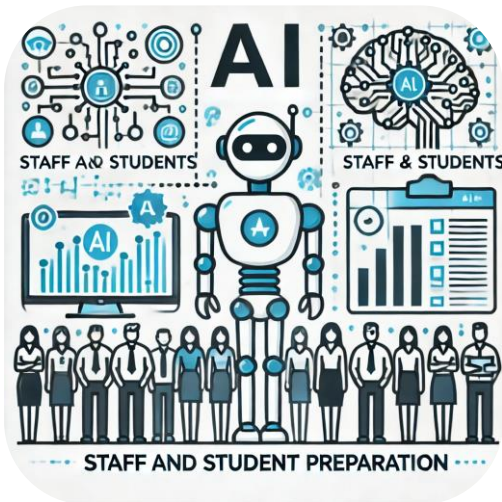
03 Values

- ✓ Responsibility for the continued growth and success of Temasek Polytechnic
- ✓ Respect for the dignity of the individual
- ✓ Integrity of the highest order
- ✓ Student-centredness
- ✓ Future-orientation



AI@Temasek Polytechnic

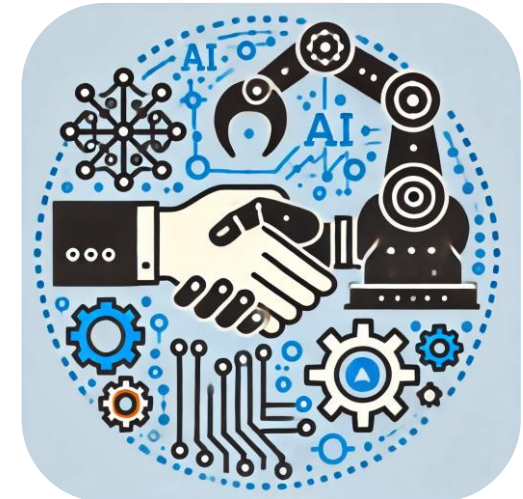
Preparing Staff & Student



Training the Workforce



Working with the Industry



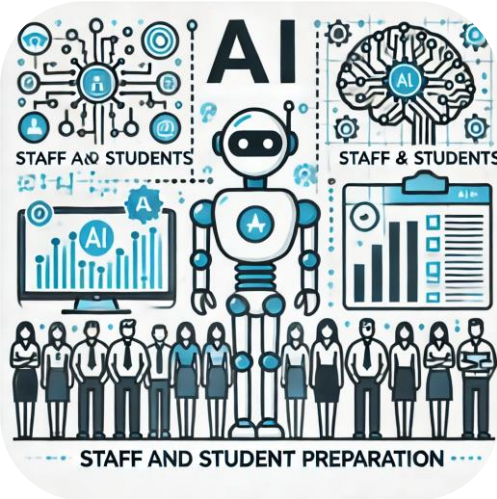
SKILLS*future*



AI SINGAPORE®

AI@Temasek Polytechnic

Preparing Staff & Student



Guide/ Playbook

Mandatory Training

TP's AI Playbook

- **Staff** - Use of AI with best practices, real case studies, for both academic and administrative purposes.
- **Student** – Use of GenAI and its pitfalls for learning.

- Introduction to Generative AI & Tools (e-Learning)
- Responsible use of AI (e-learning)
- Prompt Engineering: D-R-E-A-M with Gen AI
- GenAI for Office Productivity
- GenAI for Teaching & Learning



AI@Temasek Polytechnic

50 over courses in topics

like prompt engineering, Data Analytics with AI and AI Solution Development

Training the Workforce



Master Your Visualisation and
Storytelling Techniques with
Generative AI

[View More](#)



EmpowerED with Generative AI –
From Enhancing Teaching to
Personalised Learning

[View More](#)



Coding Without Code – App Creation
for Non-Developers

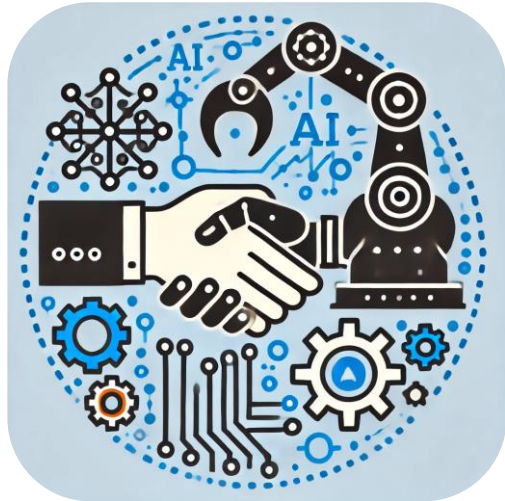
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CREATING
TOMORROW

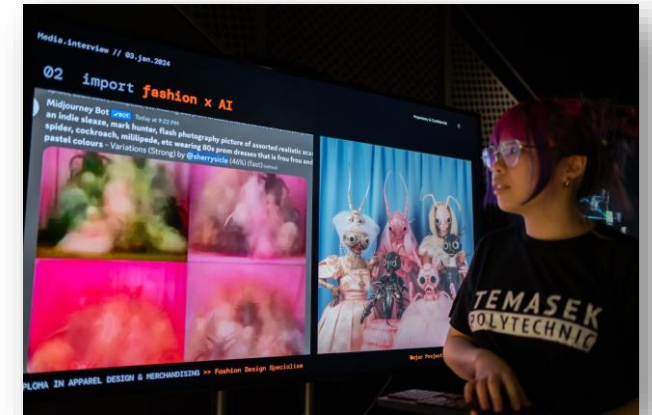
AI@Temasek Polytechnic

Working with the Industry



Temasek Polytechnic at the Forefront of AI with Launch of First Experimental Studio for Design and Generative AI in an Educational Institution

Post Date: 09 Jan 2024



Summary

- **Human Capital** is a key resource, and we are committed to investing in it.
- A **National Movement with an Adaptable Framework** develops deep skills, strengthens business competitiveness, and supports both employment and employability.
- Through a **Supportive Ecosystem**, we upskill and reskill individuals and industries together.

