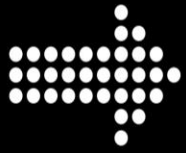


Building the Digital Engineering Education Ecosystem: The Australian Experience

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Strategic Digital Transformation Drivers



UNSW
CANBERRA

SYSTEMS ENGINEERING
VISION 2035



Critical National Missions



STEM Skill Gap



Ageing Population



Slowing Economy

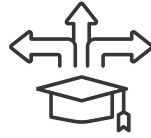




Academic Institutions

Redesign legacy academic institutional structures to build 'Systems'-focused institutions

1



Education Pathways

Create flexible pathways to attract, upskill and reskill talent at different career stages.

Prioritize initiatives that target Secondary School students

2



Multi-Disciplinary Curriculum

Build a multi-disciplinary, domain-spanning Digital Engineering curriculum to address needs in different industries.

3



Learning Assets

Invest in immersive digital learning assets to acquire and test Digital Engineering competencies in an authentic and genuinely complex settings.

4



Partnerships

Leverage a joint approach between university and vocational education to harness complementary strengths.

5



Education Community

Accelerate learning across the Digital Engineering education community through knowledge sharing about pedagogy, best practices, and learning resources

6



Catalyst Initiatives

Mobilize Digital Engineering knowledge in industry innovation programs.

Utilize Capstone Projects to connect students to industry and Government needs.

7