

TDSI Newsletter

A quarterly newsletter of TDSI featuring the institute news, event updates and any new and upcoming offerings for the defence community.



Joint Master in Defence Systems Engineering and Technology DEVELOPING STRATEGIC TALENTS FOR TOMORROW'S COMPLEX MISSIONS

A cutting-edge Master programme that integrates robust systems engineering curriculum with emerging digital technologies, TDSI's Joint Master in Defence Systems Engineering and Technology ("MDSET") brings together the strengths of two leading institutions, the National University of Singapore ("NUS") and the US Naval Postgraduate School ("NPS"). MDSET is designed for professionals who want to develop future-ready capabilities, enhance in-depth or cross-disciplinary technical expertise, and leverage on global insights—while remaining committed in their missions.

Beyond the core curriculum, students gain access to a rich ecosystem of academic resources, continuing education short courses, and engagements with local and international thought leaders—enabling continuous upskilling alongside formal postgraduate study. TDSI's MDSET offers its defence strategic partners a structured, credible pathway to strengthen organisational capability, develop professional networks, and talent development.

UNIQUE FEATURES OF MDSET

- Enhanced curriculum to meet with defence technology frontier's digital transformation
- Core courses at NUS and NPS that encompass systems engineering and digital technologies
- Wide choices of technology tracks that provide the flexibility of in-depth or cross-disciplinary knowledge
- Curated case studies of high-relevance and real-world applications
- Integrated strategic seminars to bridge technical expertise with global geopolitical awareness
- Optional enrolment into TDSI short courses during NUS phase



Continuing Education Short Courses

- Upcoming executive courses:
 - From Battlefield to Smart Cities: Digital Twins for Defence and Dual-Use Systems (6-8 May 2026)
 - Future Proof Agentic Artificial Intelligence (14-15 May 2026)
 - Non-Terrestrial Networks in 5G and Beyond: Towards Ubiquitous and Intelligent Connectivity (5-7 August 2026)



Technology Seminars

- Upcoming seminars (topics/domains):
 - From Model to Mission: Designing AI Systems for Real-World Impact (8 April 2026)
 - A Systems Approach to Planning, Development and Rejuvenation of HDB Towns (21 April 2026)
 - SWARM Intelligence
 - Cybersecurity
 - Guided Systems



Annual Learning Symposium

Join TDSI in its 4th learning symposium on 9 July 2026 on the theme "Engineering the Future Force: Learning, Leadership, and Defence Technology" and learn from invited thought leaders in the Distinguished Speakers' Session to examine the role of learning in engineering future-ready forces – the integration of systems thinking, technology innovations, and leadership development to address emerging operational and strategic challenges.

Look out for course brochures, seminar flyers and symposium invitation from TDSI!

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