



Defence Tech Summit

Multi-Domain Defence Capability Development and Digital Engineering

Sept 29, 2026 | 09:00 AM | USI, Delhi



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As defence systems become increasingly complex and operations span multiple domains, armed forces, acquisition organizations, and defence R&D establishments are seeking new approaches to accelerate capability delivery while reducing program risk and achieving operational advantage in a rapidly evolving battlespaces. This forum brings together senior leaders from the Armed Forces, HQ IDS, DRDO, DPSUs, academia, and industry to explore how Model- Based Acquisition (MBAcq), digital engineering, mission engineering, AI, digital twins, and simulation-driven approaches can transform the journey from requirements to operational readiness.

Guest of Honour



General N. S. Raja Subramani
Chief of Defence Staff

Eminent Speakers



Vice Admiral Sanjay Jasjit Singh,
PhD, (Retd)
DG USI



Maj Gen Pawan Anand,
PhD, (Retd)
Dir - Center for Emerging Technology
for Atmanirbhar Bharat at United
Service Institution of India



Lt Gen Vineet Gaur
Director General Capability
Development Directorate



Dr. Jaijit Bhattacharya
President, CDEP



Maj Gen Abhay Dayal,
PhD, (Retd.)
Former ADG Acq Tech (Land Systems)



Shitalkumar Joshi
Sr. Director, Applications Engineering,
India, ASEAN, ANZ,
Ansys (part of Synopsys)



Prem Andrade
Distinguished Engineer,
Ansys (part of Synopsys)



Dharendra Kulkarni
Sr. Director, India,
PTC

Agenda

Session 1 - Plenary		
0900 - 0930	Registration	
0940 - 0945	CDS Arrival	
0945 - 0955	Welcome Address Vice Admiral Sanjay Jasjit Singh, PhD, (Retd) DG USI	
0955 - 1005	Context setting Gen Maj Pawan Anand, PhD, (Retd), Director - CETANB, USI	
1005 - 1025	Key Note Address (Multi Domain Operations and related Technologies) Gen N.S. Raja Subramani, Chief of Defence Staff	
1025 - 1030	Release of White Paper on Model Based Acquisition	
1030 - 1045	Tea Break	
1045 - 1055	Spl Address-1. Fast-Tracking Defence Capability Development Through Model-Based Acquisition	
1055 - 1105	Spl Address-2. Accelerating Defence Transformation through Digital Engineering and Certification by Analysis Prem Andrade, Distinguished Engineer, Ansys (part of Synopsys)	
1105 - 1115	Spl Address-3. Operationalising Multi-Domain Capability in the Indian Context Lt Gen Vineet Gaur - Director General Capability Development Directorate	
	Session 2 - Breakout (RTD Format)	
1130 - 1300	Track - 1	Track - 2
Theme	Mission Systems, Spectrum Operations & Autonomous Capabilities	Engineering Assurance, Certification & Digital Thread
Key Topics to be covered	Mission Engineering for Multi-Domain Operations and Manned-Unmanned Teaming	Engineering Platform Survivability and Mission Resilience
	Building Operational Advantage Through Avionics and Multi-Sensor Fusion	Optimizing Defence Platform Performance Across Mission Profiles
1300 - 1400	Networking Lunch and Solution Demonstrations	
1400 - 1500	Track - 1	Track - 2
Key Topics to be covered	Evaluating Electromagnetic Spectrum Operations in the Digital Battlespace	Engineering Trustworthy Defence Systems Through MBSE and Safety Analysis
	Reducing Program Risk Through Virtual Validation of Physical Systems	Connecting Requirements to Readiness Through the Digital Thread
	Session-3 Panel Discussion and Valedictory	
1500 - 1600	Panel Discussion: Approaches for Technological Sovereignty and AI Rep of MeitY Rep of DoT Dr. Jaijit Bhattacharya, President, CDEP Mr. Shitalkumar Joshi, Applications Engineering, India, ASEAN, ANZ, Ansys (part of Synopsys) Gen Maj Pawan Anand, PhD, (Retd), Director - CETANB, USI - Moderator Release of CDEP Report on Digital Sovereignty	
1600 - 1630	Closing Notes & Vote of Thanks followed by Tea Brig. Vivek Verma, USI	