L&T Press Release

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L&T Semiconductor Technologies, Larsen & Toubro-Vyoma, and BharatGen Technology Foundation Sign Landmark MoU to Build India's Sovereign AI Compute Platform

The collaboration aims to jointly design, build, and deploy an end-to-end Sovereign AI infrastructure combining Indian AI silicon, foundational AI models, and AI-ready data centres

Mumbai, March XX 2026: In a landmark step towards building India's sovereign artificial intelligence capabilities, **L&T Semiconductor Technologies Limited (LTSCT)**, **Larsen & Toubro-Vyoma, L&T's Data Centre and cloud services business unit** , and **BharatGen Technology Foundation (BTF)** signed a Memorandum of Understanding (MoU) to jointly design, build, and deploy an end-to-end Sovereign AI compute platform for India.

The MoU signing took place in the presence of **Prof. Ajay Kumar Sood**, Principal Scientific Advisor (PSA) to the Government of India, and **Dr. Parvinder Maini**, Scientific Secretary at the Office of PSA, underscoring the national significance of this initiative.

Representing L&T was **Anmol Ratan Soni**, EVP and Head of Corporate Affairs at Larsen & Toubro. Representing BharatGen Technology Foundation were **Rishi Bal**, CEO of BharatGen; **Prof. Ganesh Ramakrishnan**, Lead Principal Investigator of BharatGen from IIT Bombay; **Prof. Priyesh Shukla**, member of the BharatGen consortium from IIIT Hyderabad; and **Pankaj Singh**, VP of BharatGen.

Under the five-year MoU, the three parties will combine their complementary strengths to develop a nationally deployable Sovereign AI compute platform.

- LTSCT will architect, design, and deliver energy-efficient custom AI ASIC and xPU silicon platforms optimized for sovereign AI workloads based on Bharatgen models. The silicon will be purpose-built to accelerate multilingual LLMs, domain-specific models, and large-scale inference with better performance-per-watt, low

latency, and secure execution—creating a trusted, sovereign AI compute foundation for India's cloud and data-centre infrastructure.

- Larsen & Toubro–Vyoma will enable AI-ready compute environments through its hyperscale data centre infrastructure, including the 30 MW facility in Kanchipuram, Tamil Nadu, supported by cluster orchestration, AI/ML software stacks, and end-to-end operational management for large-scale AI workload deployment.

- BharatGen Technology Foundation, set up at IIT Bombay under the guidance and funding of the Department of Science and Technology (DST), Government of India, will define representative AI workloads encompassing large language models (LLMs), large multimodal models (LMMs), and small language models (SLMs), and co-optimize model serving and ML compiler stacks for the platform.

The BharatGen initiative brings together a consortium of India's premier academic institutions, including IIT Bombay, IIT Kanpur, IIT Madras, IIT Hyderabad, IIIT Hyderabad, IIT Mandi, IIIT Delhi and IIM Indore, with the mission of advancing generative AI technologies tailored to India's diverse unique and strategic requirements. BTF has received formal approval from IndiaAI under the Digital India Corporation, Ministry of Electronics and Information Technology, (MeitY) to develop and deploy nationally aligned foundational AI models at scale.

The collaboration will focus on defining sovereign AI reference architectures, establishing performance, energy, and security benchmarks, ensuring complete compliance with national security data sovereignty and critical infrastructure requirements, and supporting government-led adoption and scale-up. Immediate next steps include forming joint working groups, defining scope boundaries and success metrics, developing a phased three-year implementation roadmap, and preparing a joint proposal for government and strategic funding.

This partnership represents a defining step in India's journey toward AI self-reliance, unifying Indian silicon design, foundational AI models, and indigenous data centre infrastructure under a unified national vision.

"India's AI future must be built on foundations we design, own, and scale ourselves. This partnership brings together sovereign silicon, sovereign models, and sovereign infrastructure into one unified national platform. At LTSCT, we are proud to architect the compute backbone that will power India's AI ambitions for decades to come."

Sandeep Kumar, Chief Executive, L&T Semiconductor Technologies Limited

"Scaling sovereign AI from research to real-world deployment requires a tightly integrated approach across infrastructure, compute, and foundational models. This collaboration brings together indigenous silicon innovation and AI-ready digital infrastructure to enable secure, high-performance AI workloads- advancing India's capability to deploy trusted AI systems at national scale."

— Seema Ambastha, Chief Executive - Larsen & Toubro Vyoma

"BharatGen's mission is to ensure that AI truly serves India — its languages, its people, and its national priorities. This collaboration with L&T Semiconductor Technologies and Larsen & Toubro-Vyoma marks a defining step towards building a fully indigenous AI ecosystem — from silicon to software to sovereign infrastructure."
— Rishi Bal, CEO, BharatGen Technology Foundation

"Serving India's diverse population at scale requires a fundamentally new approach — where foundational models, hardware, and infrastructure are co-optimized together."
— Prof. Ganesh Ramakrishnan, Lead PI - BharatGen Technology Foundation

About LTSCT

L&T Semiconductor Technologies Ltd (LTSCT), a wholly owned subsidiary of L&T, is the first major Indian semiconductor products company - a fabless enterprise for designing and delivering smart devices for global customers. LTSCT is a company that provides semiconductor devices and technology partnerships by helping customers realise energy-efficient, high-performance systems to benefit from data, electrification and software-defined technology trends.

Our aim is to build an India-based semiconductor portfolio of smart devices across MEMS Sensors, Power, Analog Mixed Signal and RF products, to support automotive, industrial, energy and telecommunication verticals. We are present in four prominent geographies, i.e., the US, Europe, Japan and India, with offices in Austin, Munich, Tokyo, Bangaluru and Chennai. For more, visit https://www.ltsct.com/about-us/

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About Larsen & Toubro-Vyoma
Larsen & Toubro-Vyoma is L&T's sovereign, secure and integrated AI cloud and hyperscale data centre business, engineered to deliver AI-ready, high-density compute for India and global enterprises. Built on L&T's legacy of trust, precision and engineering excellence, Larsen & Toubro-Vyoma offers sovereign cloud platforms, GPU-as-a-Service, hyperscale colocation and mission-critical digital infrastructure that powers government, BFSI, healthcare, manufacturing and high-compute industries worldwide.
More here: https://larsentoubrovyoma.com

About BharatGen Technology Foundation (BTF)

BharatGen Technology Foundation is a Section-8 (not-for-profit) company set up at IIT Bombay to implement the BharatGen Initiative – a pioneering suite of generative AI technologies for India, funded by the Department of Science and Technology, Government of India, focusing on building foundational AI models for India's sovereign AI ecosystem. It builds inclusive AI across 22+ languages by integrating text, speech, and document vision to create robust solutions that meet the country's real-world needs. Led by IIT Bombay, it brings together a consortium of India's top academic institutions like IIT Madras, IIT Kharagpur, IIT Kanpur, IIIT Hyderabad, IIT Hyderabad, IIT Mandi, IIM Indore and IIIT Delhi to collectively push the boundaries of generative AI and build a thriving, India-centric AI ecosystem.

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