



NITI Aayog Unveils “Reimagining Manufacturing: India’s Roadmap to Global Leadership in Advanced Manufacturing”

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NITI Aayog’s Frontier Tech Hub today unveiled a roadmap “Reimagining Manufacturing: India’s Roadmap to Global Leadership in Advanced Manufacturing”.

The roadmap was unveiled by Shri Devendra Fadnavis, Hon’ble Chief Minister of Maharashtra; Shri Ajit Pawar Hon’ble Deputy Chief Minister of Maharashtra; Shri B.V.R. Subrahmanyam, CEO, NITI Aayog; Ms. Madhuri Misal, State Minister of Maharashtra; Shri Praveen Pardeshi, Chief Economic Adviser to CM & CEO, MITRA; Ms. Debjani Ghosh, Distinguished Fellow, NITI Aayog; Shri Chandrajit Banerjee, Director General, CII; and other distinguished guests and dignitaries.

The roadmap lays out a sector-focused path to harness frontier technologies and elevate India’s manufacturing competitiveness. It identifies Artificial Intelligence & Machine Learning, Advanced Materials, Digital Twins and Robotics as high-impact enablers and maps their implications across 13 priority manufacturing sectors. With targeted interventions, the roadmap envisions manufacturing contributing over 25% to India’s GDP, creating more than 100 million jobs, and positioning India among the top three global hubs for advanced manufacturing by 2035—key milestones towards Viksit Bharat @ 2047.

To address current barriers limiting India’s manufacturing competitiveness, it recommends coordinated strengthening of R&D ecosystems, industrial infrastructure, workforce development, and scaled deployment of frontier technologies in sector-specific ways through a 10-year strategic roadmap detailing out comprehensive interventions.

The roadmap cautions that India will risk a historic window of opportunity if the country fails to adopt key frontier technologies in high impact sectors with a potential loss of US\$ 270 billion by 2035 and US\$ 1 trillion by 2047 in additional manufacturing GDP.

“Maharashtra expresses its gratitude to NITI Aayog for preparing this visionary roadmap for Bharat’s manufacturing growth powered by frontier technologies, and for choosing Pune to lead this journey. If India has to achieve exponential growth, it cannot come from business-as-usual. Frontier Tech is the marriage of science and technology, and when this union enters manufacturing, it drives automation, efficiency, and global competitiveness. Maharashtra will be the first State to fully align with the National Mission on Manufacturing and become the global hub for advanced manufacturing.” said **Shri Devendra Fadnavis, Hon’ble Chief Minister of Maharashtra.**

“India’s economic ascent inextricably hinges the strength of our manufacturing sector, but incremental change will not suffice. This roadmap sets a decisive, time-bound course to become an Advanced Manufacturing Powerhouse by 2035; integrating frontier technologies to build precision, resilience, and sustainability into our manufacturing DNA, creating globally competitive 'Made in India' identity.” said **Shri B.V.R. Subrahmanyam, CEO, NITI Aayog**.

“Frontier technologies must modernize the very backbone of our economy—manufacturing. The window to act is narrow, and transformation demands reimagining the entire ecosystem. By embedding technology into our industrial DNA, we can lift manufacturing’s GDP share to 25% by 2035, generate millions of high-quality jobs, and ensure our factories become symbols of innovation and national strength.” said **Ms. Debjani Ghosh, Distinguished Fellow, NITI Aayog**.

“Reimagining Manufacturing: India’s Roadmap to Global Leadership in Advanced Manufacturing” was developed by NITI Aayog’s Frontier Tech Hub, in collaboration with CII and Deloitte, with guidance from an Expert Council of industry leaders. The launch saw keen participation from government officials, industry members and ecosystem partners, underscoring a collective resolve to advance India’s leadership in manufacturing.

Access the Roadmap here: https://niti.gov.in/sites/default/files/2025-10/Reimagining_Manufacturing_Indias_Roadmap_to_Global_Leadership_in_Advanced_Manufacturing.pdf

About NITI Frontier Tech Hub:

The NITI Frontier Tech Hub is an action tank for Viksit Bharat. In collaboration with over 100 experts from government, industry, and academia, it is shaping a 10-year roadmap across 20+ key sectors to harness frontier technologies for transformative growth and societal development. By empowering stakeholders nationwide and driving collective action, the Hub is instilling urgency to act today, laying the foundation for a prosperous, resilient, and technologically advanced India by 2047.

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