Government Facilitating Startup-Industry Linkages to Take Indigenous Innovations to the Market, says Union Minister Dr. Jitendra Singh

Dr Jitendra Singh visits the exhibition at ESTIC 2026, featuring selected 50 deep-tech startups, 13 departmental stalls and 10 departmental technologies, reflecting the breadth of India's scientific and technological capabilities

ESTIC-2026 Provides a Platform for Startups, Scientific Institutions and Industry to Explore Collaboration: Dr. Jitendra Singh

Indigenous Technologies Reflect India's Growing Scientific and Technological Capabilities, says the Union Minister

Modi Govt Focused on Connecting Innovation with Practical Applications and Wider Adoption: Dr. Jitendra Singh

Dr. Jitendra Singh Urges Stakeholders to Leverage Opportunities to Strengthen India's Innovation Ecosystem

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Union Minister of State (Independent Charge) for Science & Technology and Earth Sciences, and Minister of State for PMO, Personnel, Public Grievances and Pensions, Atomic Energy and Space, Dr. Jitendra Singh, has called for stronger linkages between StartUps and industry, emphasising the Government's role in facilitating partnerships that can help indigenous innovations move from research and development to wider commercial adoption.

The Minister said that India's expanding innovation ecosystem offers significant opportunities for startups to connect with industry and other potential technology adopters, develop practical applications and scale up their solutions. He urged stakeholders to come forward and make effective use of these opportunities to strengthen India's innovation-led growth.

Dr. Jitendra Singh visited the exhibition of StartUps, scientific institutions and departmental technologies at the 'Emerging Science, Technology and Innovation Conclave' (ESTIC)-2026, being held at Bharat Mandapam, New Delhi, from October 27 to 29.

The conclave features selected 50 deep-tech startups, 13 departmental stalls and 10 departmental technologies, reflecting the breadth of India’s scientific and technological capabilities.

During his visit, the Minister reviewed a range of innovations demonstrating how scientific research is addressing challenges across sectors, from food and nutrition to advanced electronics. Among the exhibits was CSIR Designer Rice, a high-protein, low-glycaemic-index rice developed at CSIR–National Institute for Interdisciplinary Science and Technology (CSIR-NIIST).

The rice contains approximately 20 per cent protein and has a reported glycaemic index of 54, placing it in the low-GI category. Developed using rice fractions and structural modification, the innovation represents an effort to create food products with improved nutritional characteristics and potential relevance for people seeking better dietary management.

The exhibition also showcased JEET, the SCMC4212 microcontroller unit developed by Signalchip, reflecting India's growing capabilities in indigenous semiconductor and electronic-system design. Powered by a Yati 32-bit RISC-V CPU and an Avarta 32-bit digital signal processor, the microcontroller integrates memory, power-management and other functional capabilities in a compact design. Its potential applications include flight controllers, Internet of Things devices, smart devices, robotics and industrial automation. Such home-grown technologies can contribute to the development of domestic capabilities in strategic and emerging technology domains.

Other displays included bio-based packaging and reusable or application-specific products, illustrating the wider scope of innovation in materials and sustainability. Together, the exhibits demonstrate how India's scientific institutions, entrepreneurs and technology developers are working across diverse fields to develop solutions with practical applications, while creating opportunities for technology partnerships and commercial deployment.

Dr. Jitendra Singh has consistently advocated stronger coordination among research institutions, startups, industry and government to ensure that scientific discoveries translate into tangible economic and societal benefits. The exhibition at ESTIC-2026 provides an opportunity for startups to engage directly with prospective partners, identify applications for their technologies and explore pathways for scaling up their innovations.

The Minister urged industry leaders, investors, research institutions and other stakeholders to actively engage with startups and indigenous technology developers, build mutually beneficial partnerships and help take promising Indian innovations to wider markets. Stronger collaboration across the innovation ecosystem, he said, can help accelerate technology adoption, strengthen domestic technological capabilities and advance the national vision of Viksit Bharat@2047.




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