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Nation Climbs from Rank 81 to 38 in Global Innovation Index: Dr. Jitendra Singh

India's Youth Benefiting from Strong Innovation Ecosystem Built Under PM Modi's Leadership

Entrepreneurship More Lucrative Than Traditional Jobs, Government Schemes Empowering New Innovators: Dr. Jitendra Singh

Start-ups, Private Sector Participation Key to India's Tech Growth Story, Says Dr. Jitendra Singh

Chandrayaan-3 to DNA Vaccine: India Registers Landmark Scientific Achievements in Last Decade

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Addressing the Annual Tech Fest INNOTECH'25 at KIET Deemed university, Union Minister of State (Independent Charge) for Science & Technology, MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space, Dr. Jitendra Singh today highlighted that India has now emerged as the world's 6th largest patent filer with over 64,000 patents, out of which more than 55% are by resident Indian innovators, a sharp departure from the earlier trend of innovators depending on foreign institutions for research, mentorship, and project completion.

The Minister said that India's remarkable rise in resident patent filings reflects the country's rapidly maturing innovation ecosystem and its growing global competitiveness.

Dr. Jitendra Singh emphasized that this shift demonstrates the emergence of a "most compatible milieu at home," enabled by sustained policy interventions, incentives for research, and an enabling environment created under the leadership of Prime Minister Narendra Modi. He added that what was once lacking-policy support and institutional patronage, has been systematically addressed over the last decade, allowing young Indian innovators to pursue cutting-edge research and file high-value patents within the country.

Highlighting India's transition into a frontline scientific nation, the Minister noted that the country has climbed from Rank 81 to Rank 38 in the Global Innovation Index, an extraordinary leap achieved through consistency, landmark achievements, and a sharp national focus on science and technology. He pointed to milestones such as Chandrayaan-3, the world's first DNA vaccine developed in India, indigenous antibiotics, and successful gene-therapy trials, stating that these represent India's growing scientific capacity and global leadership.

Dr. Jitendra Singh underlined that events like INNOTECH'25 reflect the larger national ecosystem that now prioritizes private participation, deep-tech entrepreneurship, and cross-sector innovation. He said that expos and conclaves supported by the Department of Science & Technology (DST) are critical in bringing together industry leaders, researchers, venture capitalists, and young entrepreneurs on a single platform, enabling faster translation of ideas into commercially viable outcomes. With more than 20 venture capitalists participating in the event, the Minister reiterated that India's next technological leap would be fuelled by strong public-private partnerships.

The Minister also stressed the need to break long-held myths regarding livelihood and careers. He said that in a rapidly transforming India, entrepreneurship, start-ups, skilling, and applied sciences offer far more opportunities than the traditional dependency on government jobs. Citing success stories supported by government schemes such as Mudra, PM-Svanidhi, and PM-Vishwakarma, Dr. Jitendra Singh said that the government has ensured accessible funding, mentorship, and skill development pathways even for those without advanced degrees.

He further stated that the National Education Policy (NEP 2020) has liberated the academic framework by allowing students to change subjects, pursue multidisciplinary learning, and follow their aptitude. Various DST initiatives-INSPIRE fellowships, MANAK awards, dedicated women and tribal science programs, and the Vaibhav initiative connecting overseas Indian researchers back to Indian institutions- were highlighted as transformative avenues for building a globally competitive scientific workforce.

During his visit, Dr. Jitendra Singh interacted with students, examined their prototypes, and encouraged them to pursue innovation with confidence and entrepreneurial spirit. The Minister appreciated the creativity demonstrated across domains such as artificial intelligence, machine learning, IoT, automation, biotechnology, and disaster management, noting that the projects reflected both the nation's scientific aspirations and the ingenuity of India's youth.

The Minister concluded by acknowledging the presence of Atul Garg, Member of Parliament, who also participated in the event. Dr. Singh lauded Shri Garg for his role in promoting innovation-driven initiatives in the region and thanked him for inviting him to be a part of INNOTECH'25.





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