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Advanced Smart Manufacturing and Bio-Innovation Facilities open at IIT-D

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Access to advanced infrastructure for research, prototyping, testing, validation, and skill development

The Indian Institute of Technology Delhi (IIT-D), in collaboration with ICICI Foundation, has inaugurated two advanced facilities - the upgraded Foundation for Smart Manufacturing (FSM) Lab and the enhanced Bio Innovation Lab under BioNEST.

The Foundation for Smart Manufacturing (FSM) Lab, established as part of IIT Delhi’s vision to advance Industry 4.0 technologies, will serve as a platform for fostering innovation and technological advancement in smart manufacturing.

Equipped with advanced manufacturing systems, automation technologies, and rapid prototyping capabilities, the facility will enable startups and MSMEs to develop, test, refine, and commercialise next-generation products.

The lab will also support hands-on learning, skilling, and certification programmes aimed at building industry-ready talent and strengthening India's manufacturing capabilities.

The enhanced Bio Innovation Lab will further strengthen the capabilities of BioNEST incubator, which is managed through the Foundation for Innovation and Technology Transfer (FITT), IIT Delhi, by providing state-of-the-art infrastructure for translational research and product development across healthcare, diagnostics, precision medicine, genomics, medical technologies, and allied domains.

The facility will support startups and researchers in accelerating the translation of scientific discoveries into scalable solutions through advanced molecular characterisation, process optimisation, product validation, and technology development support.