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IIT Jodhpur opens Centre for AyurTech as unique initiative in precision health & medicine space

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Implementation of integrative medicine in different clinical settings



The Indian Institute of Technology (IIT) Jodhpur recently inaugurated AyurTech, the Centre of Excellence (CoE) sponsored by the Ministry of Ayush. The CoE AyurTech is part of the Centre of Excellence in Artificial Intelligence (AI) based Precision Healthcare at the school of Artificial Intelligence and Data Science (AIDE) at IIT Jodhpur.

The aim of this centre is to establish an AI-driven integrative framework for population and individual risk stratification and early actionable precision health interventions.

The Centre for AyurTech is being proposed as the first-of-its-kind initiative in the precision health and medicine space that would combine Electronics, Digital health and AI and multi-omics technologies for realising ‘Evidence-based Ayurveda’ solutions in a transdisciplinary framework.

A built-up space of approximately 3760 sq.ft. for an AyurTech facility for Phenotyping, Molecular Biology, Chemistry and Device development fabrication and characterization area has been provided by IIT Jodhpur. This space for technological immersion will enable capacity building in different domains of Ayurveda, increase employability in transdisciplinary domain, provide innovation and entrepreneurship opportunities and help in trans-disciplinary research programmes.

The CoE will focus on digital devices integrated with IoT, AI and computer vision for rapid, objective, and accurate assessments of Ayurveda parameters and tailoring interventions.