

IIT-I's new CoE to develop tech solutions to enhance agri practices

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Indore: IIT-Indore's newly launched Agri Hub, a Centre of Excellence (CoE) dedicated to developing technological solutions aimed at enhancing agricultural practices in India, has already attracted 11 projects from various organisations. The CoE, specialising in Artificial Intelligence, Machine Learning, and deep learning, aims to bridge the gap between data generation and actionable insights for farmers, ensuring that advancements in technology benefit the agricultural sector.

Professor Aruna Tiwari, principal investigator of the AgriHub Project, said, "Huge data is generated across the country by agriculture scientists, but it remains underutilised due to limited access for computer scientists. By centralising this data, we can develop algorithms to create in-

novative solutions that directly benefit farmers and stakeholders."

The CoE serves as a collaborative platform, bringing together stakeholders from academia, industry, non-governmental organisations, Krishi Vikas Kendras, and farmers' producer organisations (FPOs) to tackle the chal-

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lenges faced by agriculture today.

Professor Suhas S. Joshi, director of IIT Indore, expressed pride in the launch of the AgriHub, stating, "This initiative is a significant step towards making a societal impact through technological innovation. With its advanced infrastructure and collaborative framework, the AgriHub Technology Centre is poised

to become a national model for technology-driven agricultural transformation."

Equipped with a state-of-the-art smart rack configuration, the Technology Centre hosts the latest NVIDIA DGX systems, optimised for AI workloads, alongside a high-capacity Storage Node. This facility promises enhanced computational performance and scalable storage solutions capable of handling extensive agricultural datasets.

The AgriHub will work to deploy advanced machine learning, deep learning, and data analytics models to explore innovative solutions and address the complex challenges of Indian agriculture.

By facilitating a network of collaboration and data sharing, the CoE is committed to advancing agricultural practices and improving the livelihoods of farmers across the nation.