



## Press Release

# **IIT Mandi Signs MoU with JK Group's DELOPT to Strengthen Embedded Systems and Electro-Optics Research**

**January 29th, 2026 | Mandi** – The Indian Institute of Technology Mandi (IIT Mandi), one of India's leading IITs, has signed a Memorandum of Understanding (MoU) with **JK DELOPT**, an ISO 9001-certified company under the JK Organisation. Through this collaboration, IIT Mandi and JK DELOPT will work jointly on research, innovation, and translation of advanced technologies into deployable solutions with real-world impact.

This collaboration envisions a transformative roadmap where **IIT Mandi's research excellence** and **JK DELOPT's industry and manufacturing capabilities** converge to develop **next-generation sovereign technologies**. The partnership aims to strengthen national defence preparedness, enhance strategic self-reliance, and extend technological innovations to civilian sectors, positioning India as a global leader in intelligent, secure, and indigenous solutions. Moreover, this MoU aims to establish a long-term industry-academia partnership focused on **indigenous technology development**, aligned with the national priorities of **Make in India** and **Atmanirbhar Bharat**.

Commenting on the collaboration, **Prof. Laxmidhar Behera, Director, IIT Mandi**, said, "IIT Mandi remains deeply committed to indigenisation and national self-reliance in critical technologies. The collaboration with JK DELOPT marks an important step in strengthening India's capabilities in Embedded Systems and Electro-Optics for defence and retail applications. Such academia-industry partnerships are central to IIT Mandi's vision of translating cutting-edge research into deployable, indigenous solutions with real-world impact."

The agreement was formally signed and exchanged by the **Dean (Sponsored Research & Industrial Consultancy), IIT Mandi** and the **CEO, JK DELOPT**, in the presence of the **Director, Registrar**, senior faculty members, and representatives from both institutions. On the occasion, the CEO of JK DELOPT was felicitated by the Director, IIT Mandi, recognising the company's contribution to indigenous technology development.

Under the MoU, both partners will collaborate on **joint research and development projects**, technology demonstrations, and prototype development in areas such as **electro-optic systems, embedded platforms, AI-integrated vision systems, and intelligent surveillance solutions**. The partnership also envisages **student**

**internships, industry exposure, expert lectures, and collaborative supervision of research scholars**, strengthening skill development and industry readiness.



The collaboration draws significant strength from **IIT Mandi's Visual Intelligence and Machine Learning (VIML) Group**, led by **Dr. Dinesh Singh**, whose research focuses on computer vision, multimodal AI, and vision-based perception systems. Ongoing research efforts include **UAV-based defence applications, surveillance and reconnaissance systems, accident anticipation models, forensic vision technologies, and real-time monitoring solutions**, alongside broader applications in healthcare and safety.

Dr. Singh's expertise in **computer vision, vision-language models (VLMs), and intelligent perception systems** will play a key role in advancing the partnership's objectives, particularly in developing AI-driven electro-optic and embedded solutions for strategic and interactive applications.

### **About IIT Mandi:**



Indian Institutes of Technology Mandi is one of the top second-generation IITs located in Kamand Valley, Mandi district of Himachal Pradesh, India. It is one of eight new Indian Institutes of Technology (IITs) established by the Ministry of Human Resource Development, Government of India, and recognized as one of Institutes of National Importance. IIT Mandi's permanent campus about 14 km (8.7 mi) from Mandi consists of the South and North campuses connected by a narrow neck. The South campus is on the left bank of the Uhl River below Kamand village. The North campus is along the Kataula Khad opposite Salgi village. A transit campus at Government Post graduate College, Mandi was handed over by the Himachal Pradesh Government on 16 November 2009. The Kamand campus ground-breaking ceremony, to mark the start of construction, was held on 13 April 2012. On 25 April 2015, IIT Mandi became the first of all the new IITs to completely shift B. Tech students to its permanent campus in Kamand. Since its inception the institute has been involved with more than 275 Research and Development (R&D) projects worth more than ₹120 crore. In the past 10 years, the institute has signed Memorandum of Understanding (MoU) with as many as 11 international and 12 national universities.



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